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January 18, 2024

Ms. Lisa Felice
Executive Secretary
Michigan Public Service Commission
7109 W. Saginaw Highway
P.O. Box 30221
Lansing, MI 48909

Re: **MPSC Case No. U-21461**

Dear Ms. Felice:

Attached for electronic filing in the above-referenced matter, please find the Direct Testimony and Exhibits of Jason W. Hoyle on behalf of The Michigan Energy Innovation Business Council, Institute for Energy Innovation, and Advanced Energy United, together with the Proof of Service. Thank you for your assistance in this matter.

Very truly yours,

Justin K. Ooms Digitally signed by Justin K. Ooms
Date: 2024.01.18 14:58:45 -05'00'

Justin K. Ooms

JKO/srd
Enclosure
c. All parties of record.

STATE OF MICHIGAN

MICHIGAN PUBLIC SERVICE COMMISSION

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In the matter of the application of **INDIANA MICHIGAN POWER COMPANY** for authority to raise its rates for the sale of electric energy and for approval of other related matters.	))))))	**Case No. U-21461**

DIRECT TESTIMONY OF JASON W. HOYLE

ON BEHALF OF

THE MICHIGAN ENERGY INNOVATION BUSINESS COUNCIL,

INSTITUTE FOR ENERGY INNOVATION,

AND

ADVANCED ENERGY UNITED

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I. Introduction

Q. Please state your name, business address, and current position.

A. My name is Jason W. Hoyle. My business address is 1155 Kildaire Farm Rd., Suite 202, Cary, North Carolina, 27511. My current position is Principal Energy Policy Analyst of EQ Research LLC.

Q. On whose behalf are you submitting testimony?

A, I am submitting testimony on behalf of the Michigan Energy Innovation Business Council ("Michigan EIBC"), the Institute for Energy Innovation ("IEI"), and Advanced Energy United ("United"), collectively referred to as "MEIU."

Q. Have you previously submitted testimony before the Michigan Public Service Commission ("Commission" or "MPSC")?

A. I have previously submitted testimony before the Commission in Case No. U-21297. I have also submitted testimony as an expert before the North Carolina Utilities Commission in Docket E-34 Sub 54 New River Light and Power Company's General Rate Case.

Q. Please describe your educational and occupational background.

A. I obtained a Bachelor of Science in Mass Communications with a concentration in print journalism from Appalachian State University in Boone, NC in 2001 and a Master of Business Administration from Appalachian State University in 2003. I was employed at the Appalachian Energy Center and the Center for Economic Research and Policy Analysis in various positions of increasing responsibility for nearly 18 years. I was the lead analyst

responsible for due diligence, regulatory compliance analysis, pro forma financial and valuation analysis, including PPA negotiations and innovative carbon financing opportunities for nearly a dozen community-based renewable energy projects on behalf of local governments across North Carolina. My work also included research, analysis, and implementation activities related to a variety of energy policy and related programs such as the N.C. State Energy Plan, the North Carolina Climate Action Plan Advisory Group, U.S. Environmental Protection Agency programs, Climate Action Reserve protocols, as well as a variety of other consulting work performed on behalf of state universities, municipal and county governments, and non-profit corporations. I also served as a faculty member in the Appalachian State University's Department of Sustainable Technology and the Built Environment between 2012 and 2021, where I developed and taught graduate and undergraduate courses focused on the policy, market, and economic context of utility regulation. These courses covered topics ranging from regulatory oversight roles and the development of electric utility regulation from the later 1800s through the present day, review and analysis of electric utility rates for the purchase and sale of electricity, finance, and environmental attribute markets. While at Appalachian State, I also developed curricula for and taught professional continuing education courses on renewable energy policy, finance, and regulation that offered AIA Learning Units, engineering Professional Development Hours, CPA (CPE) credits, Continuing Legal Education credits, SWANA Continuing Education Units, and Continuing Forestry Education credits.

I joined EQ Research in early 2022 as a Principal Energy Policy Analyst. In my current position, I lead EQ's General Rate Case service which includes preparing and reviewing

analyses of rate case filings for electric utilities across the country. I also coordinate EQ Research's regulatory and compliance consulting services for Community Choice Aggregation programs in California, including regulatory monitoring and analysis, compliance reporting, litigation support, and resource procurement planning, including the preparation of integrated resource planning and other resource procurement plans.

Q. Please describe the purpose of your testimony and how it is organized.

A. My testimony addresses Indiana Michigan Power Company's ("I&M" or the "Company") distributed generation ("DG") program and tariffs. Following this introductory section, Part II of my testimony addresses I&M's DG program against the backdrop of the recently enacted Public Act 235 of 2023 ("PA 235") and argues that the increased program size requirements make it appropriate for I&M to reopen its existing DG Rider. The next section of my testimony, Part III, identifies certain clarifications that the Commission should make in light of modifications to utility DG programs made by PA 235. These clarifications would facilitate implementation of PA 235, avoid unnecessary confusion, and increase the efficiency with which DG program activities are conducted. Specifically, Part III of my testimony addresses updated project size limits and the removal of generation meter requirements in PA 235. Part IV of my testimony presents my concerns with the characteristics of I&M's proposed DG successor tariff, the DG2 Rider, and Part V provides a brief summary of my recommendations.

Q. Are you sponsoring any exhibits with your direct testimony?

A. Yes, I am sponsoring the following exhibits:

- Exhibit MEIU-1 – Case No. U-21461 – I&M Response to Data Request No. MEIU 1-02(a)
- Exhibit MEIU-2 – Case No. U-21461 – Attachment U-21461 MEIU DR 1-01 (2023-8-18).xlsx to I&M Response to Data Request No. MEIU 1-01
- Exhibit MEIU-3 – Case No U-21461 – Attachment U-21461 MEIU DR 1-06 I&M Response to MEIU DR 1-06_Attachment 1.xlsx
- Exhibit MEIU-4 – Case No. U-21461 - Attachment U-21461 MEIU DR 1-07 I&M Response to MEIU DR 1-07.xlsx
- Exhibit MEIU-5 – CV of Jason W. Hoyle

Q. Can you provide a preview of your recommendations to the Commission?

A. My recommendations to the Commission are as follows:

1) Require I&M to reinstate its existing DG Rider using the same approach to calculate the credit for electricity outflow as was approved in its last rate case, Case No. U-20359. Eligibility terms of its existing DG Rider should also be modified as necessary to comply with the requirements of PA 235.

2) Require I&M to identify customers who submitted an application for the DG program or who were directed to a different Company tariff in lieu of the DG program after the May 15, 2023 cutoff date for the Company's existing DG Rider, notify those customers concerning their renewed eligibility for the Company's DG program under PA 235, and provide them a reasonably efficient and simple mechanism to participate in the DG program under a reopened existing DG Rider.

3) Require that I&M's existing DG tariff be made available to any customer with a DG system size of up to 110% of the customer's electricity consumption for the previous 12 months.

4) Grant a blanket waiver under Michigan Admin R 460.910 from generation meter requirements in the Commission's Interconnection and Distributed Generation Standards for I&M customers participating in the DG program (or explicitly indicate the Commission's willingness to do so upon application) and require that I&M's DG tariff not include a generation meter requirement.

5) Reject I&M's proposed DG2 tariff.

II. Distributed Generation Program & Tariff

Q. Please summarize the status of I&M's DG Program.

A. I&M notified the Commission that its DG program had reached the 0.5% soft cap allocated to Level 1 customers and that it would no longer be accepting new DG program Level 1 customers as of May 15, 2023.[1] This notification was based on the 0.5% allocation for customers with an eligible electric generator capable of generating 20 kilowatts or less, which was then existing under MCL 460.1173(3).

Q. Have the soft caps on DG program size changed since I&M filed its direct testimony?

A. Yes, PA 235 was enacted by the Michigan legislature, signed by the Governor, and is set to become effective February 27, 2024. Section 173(3) of PA 235 modifies MCL

[1] See Direct Testimony of Dona Seger-Lawson on behalf of Indiana Michigan Power Company in Case No. U-21461 ("Seger-Lawson Direct"), p. 27.

460.1173(3) to increase the minimum required DG program size from 1% to 10% of a utility's average in-state peak load for the preceding five calendar years. Section 173(3)(a) of PA 235 allocates at least 50% of the total 10% minimum required program size to customers with an eligible electric generator capable of generating 20 kW or less.[2]

Q. Under the new DG program size requirements, will I&M have remaining capacity?

A. Yes, under PA 235's new DG program size requirements, as detailed below, I&M will have significant DG program capacity remaining for all project sizes. In addition, according to the Company's application,[3] I&M did not reach the DG program size soft cap for projects with greater than 20 kW in capacity before the adoption of PA 235. The Company indicated in a discovery response, included here as Exhibit MEIU-1, that as of the end of 2022, I&M's average in-state peak load for the previous five years was 637,186 kW.[4] Had PA 235 already been in effect, under the expanded DG minimum program size established by that law, I&M's total DG program cap would have been 63,718 kW (i.e., 10% of the Company's average in-state load for the previous five years). Assuming the Company's in-state load has not changed significantly since the end of 2022, once PA 235 is in effect, at least 50% of this minimum DG program size, or 31,859 kW, is allocated to Level 1 DG customers with projects less than 20 kW in capacity. I&M reported a total of 3,386.42 kW of capacity for Level 1 customers as of the end of December 2022,[5] and 4,139.5 kW of capacity for Level 1 customers in its DG program as of August 18, 2023.[6]

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[2] Seger-Lawson Direct, p. 28.
[3] *Ibid*.
[4] See also Indiana Michigan Power Company's 2023 Annual Net Metering Report, Case No. U-15787, Filing No. U-15787-0384 (April 3, 2023).
[5] *Ibid*.
[6] See Exhibit MEIU-2.

As such, given the new 10% minimum DG program size established by PA 235, the minimum allocation of 31,859 kW for Level 1 customers, and 4,139.5 kW of enrolled Level 1 capacity (as reported by I&M in August 2023 after the DG program was closed to Level 1 customers), as of the effective date of PA 235, as much as 27,719 kW of Level 1 capacity will be available in I&M's DG program. However, I am unable to determine what percentage of that capacity may be already subscribed to by any pending applications not included in the August 18, 2023 total or those applications which were denied by the Company after May 15, 2023 and, as I argue below, should now be admitted to the DG program.

Q. What credit for electricity outflow does PA 235 require DG customers to receive?

A. Section 173(7) of PA 235 states, "Credits for outflow must reflect cost of service."

Q. Does the existing DG Rider, as approved in I&M's last rate case, provide a credit for electricity outflow based on cost of service?

A. Yes, the existing DG Rider,[7] as approved in I&M's last rate case (Case No. U-20359), provides an electricity outflow credit that compensates "DG customers for outflow based on I&M's power supply costs, including transmission (i.e., the capacity and non-capacity power supply charges approved in the applicable tariff)."[8] In its last rate case, I&M's proposed rates for providing retail service to its customers were based on its cost of service,

[7] See Exhibit A-16, Schedule F5.4, Section D, pp. 132–137.

[8] *In the matter of the application of Indiana Michigan Power Company for authority to increase its rates for the sale of electric energy and for approval of depreciation rates and other related matters*, order of the Public Service Commission, entered January 23, 2020 (Case No. U-20359), p. 5.

and described as "power supply capacity rates based on the embedded cost method using the fixed costs I&M incurs to provide capacity for all its customers, including [Open Access Distribution] OAD customers."[9] As such, and as previously approved, I&M's cost of service used to determine its rates for retail service are reflected in the existing DG Rider rate as the credit for outflow electricity.

Q. What cost of service approach has I&M proposed in this rate case?

A. In this rate case, I&M's Exhibit A-16, Schedule F-1.1: Projected Class Cost-of-Service Study, I&M presents "a calculation using the traditional embedded cost method," which it states is consistent with I&M's most recent rate cases.[10] However, in this rate case, I&M proposes to modify its cost of service approach to determine power supply capacity costs based on a PJM Net Cost of New Entrant ("CONE") value, to reclassify remaining embedded power supply capacity costs as power supply non-capacity costs, and reallocate power supply non-capacity costs to all non-OAD customers.[11]

Q. Would I&M's proposed cost of service approach in this rate case be consistent with continued use of the existing DG Rider and the requirements of PA 235?

A. Yes, I&M's proposed modifications to its classification and allocation of power supply capacity costs would have no impact on continued use of the existing DG Rider since the existing DG Rider's credit for outflow already reflects the Company's embedded capacity

[9] Direct Testimony of Andrew Williamson on behalf of Indiana Michigan Power Company in Case No. U-20359 ("Williamson U-20359 Direct"), pp. 24–25 (6 Tr 2288–2289).
[10] Direct Testimony of Stephen Hornyak on behalf of Indiana Michigan Power Company in Case No. U-21461 ("Hornyak Direct"), p. 22.
[11] Hornyak Direct, p. 23.

and non-capacity power supply charges, including transmission, of the applicable tariff on which DG customers take electricity inflow service. As previously mentioned, Section 173(7) of PA 235 requires that the credit for outflow electricity under the DG program reflect cost of service. The existing DG Rider should continue to be used since it provides a credit for outflow electricity that includes the Company's embedded capacity and non-capacity power supply charges, including transmission, and therefore reflects I&M's cost of service.

Q. Please describe I&M's proposal for new DG customer applications for projects greater than 20 kW in capacity.

A. Bearing in mind that I&M's testimony was submitted before the enactment of PA 235, the Company proposes that DG customers submitting new applications for projects greater than 20 kW in capacity would still be served under the existing DG Rider until the soft cap was filled, after which I&M's proposed DG2 Rider would be available to DG customers submitting new applications.[12] Since I&M proposed to continue making its existing DG Rider available for new applications until the then-existing soft cap was reached, it is reasonable and consistent with I&M's proposal for the Company to continue offering the existing DG Rider for new applications of all project sizes until the program soft caps established under PA 235 are reached.

[12] Seger-Lawson Direct, p. 29.

Q. What outflow credit does I&M propose that DG customers who submitted applications for projects less than 20 kW in capacity after May 15, 2023 but before February 27, 2024 be eligible to receive?

A. To my knowledge, customers who submitted applications after May 15, 2023 for the Level 1 DG program had their applications denied. According to the Company, "I&M's customer notice to new Category 1 customers advised submitting an interconnection application after May 15th, that service under the I&M Cogeneration and/or Small Power Production Service tariff (Tariff Cogen/SPP) is available."[13] The Company has not indicated whether or not those Level 1 customers submitting applications for the DG program after May 15, 2023 were placed on a wait list or whether some portion of them signed up for the new tariff option.

Because I&M's testimony was filed prior to enactment of PA 235 and the Company's revised testimony[14] filed in early 2024 after enactment of PA 235 did not include any revisions to its initial DG program proposal, it is unclear how or if I&M intends to incorporate, inform, or otherwise allow for admission to the DG program for customers who submitted Level 1 DG program applications in the period between the May 15, 2023 eligibility cut-off date for the existing DG Rider and the February 27, 2024 effective date of the expanded DG program.

[13] Response Of Indiana Michigan Power Company To Order Issued June 9, 2023, Case No. U-20890, Filing No. U-20890-0052 (June 30, 2023), p. 2.

[14] REVISED Testimony of Brenner, Gruca, Seger-Lawson, Walter - Exhibit A-12, B5.4, Revised Exhibit IM-51 (KCC-1) (Case No. U-21461), filed January 3, 2023.

To my knowledge, I&M continues to advise Level 1 DG customers that service under the I&M Tariff Cogen/SPP is available despite the expansion of the DG program cap under PA 235. Tariff Cogen/SPP is designed for customers with up to 5 MW of capacity and is wholly inappropriate for DG customers. For example, it requires customers whose systems have a design capacity in excess of 10 kW to purchase backup service and take service on a demand-metered rate schedule. The tariff imposes, in some cases, additional costs of as much as $12.96 per month for the required use of an additional meter, and it provides a payment for energy outflow of less than $0.03/kWh – well below both the cost of service-based rate in the existing DG Rider and even the energy outflow credit I&M proposed in its DG2 Rider.

Q. What are your recommendations to the Commission?

A. I recommend that the Commission require I&M to reinstate its existing DG Rider using the same approach to calculate credit for electricity outflow as was approved in its last rate case and that the eligibility terms of its existing DG Rider be modified as necessary to comply with the requirements of PA 235 until the newly established DG program caps are met.

I also recommend that the Commission require I&M to notify customers whose systems are not yet in service but who submitted an application and were denied access to the DG program after the May 15, 2023 cut-off date, and that I&M provide some reasonably efficient and simple mechanism to enable these customers to participate in the DG program under the re-opened, existing DG Rider.

III. DG Program Modifications in PA 235

Q. Does Public Act 235 of 2023 modify the size limit for eligible projects in the DG program?

A. Yes, Section 5(e) of PA 235 modifies the definition of "eligible electric generator" to remove the previous project size limits of 150 kW for a renewable energy system and 550 kW for a methane digester. Instead, Section 5(e) of PA 235 establishes a new project size limit defined as a project "with a generation capacity limited to 110% of the customer's electricity consumption for the previous 12 months." Section 173(2) of PA 235 further clarifies that the DG program "must limit each customer to generation capacity designed to meet up to 110% of the customer's electricity consumption for the previous 12 months."

Q. How does PA 235 allocate program capacity among eligible electric generators?

A. According to Section 173(3) of PA 235, "not less than 50%" of the 10% soft cap is required to be allocated to customers with generators capable of generating 20 kW or less in capacity, and "not more than 50%" of the 10% is required to be allocated to customers with eligible electric generators capable of generating more than 20 kW but not more than 550 kW.

Q. Do these allocations cover all eligible electric generators?

A. No, it appears that eligible electric generators with a generation capacity exceeding 550 kW but not exceeding 110% of a customer's electricity consumption for the previous 12

months ("large eligible electric generators" or "LEEGs") are not addressed in the allocations in Section 173(3).

Q. How do LEEGs fit into the total program limit in Section 173(3)?

A. I am not a lawyer, but it seems to me from a plain reading of Sections 5(e) and 173(3) of PA 235 that LEEGs should be eligible to participate in the DG program since these systems fall within the definition of "eligible electric generator" as revised under PA 235. In my opinion, there is no reason why the allocation categories in Section 173(3) need be exclusive. These categories simply ensure that at least 50% of the 10% limit is allocated to systems less than 20 kW in capacity and then provide that "not more than 50%" should be allocated to generators larger than 20 kW but no larger than 550 kW. The statute does not say anything at all as to whether some portion of the 50% leftover after accounting for systems less than 20 kW in capacity systems could be used by LEEGs. Clearly, exactly 50% could be allocated to systems less than 20 kW in capacity and less than 50% could be used by systems 20 – 550 kW in capacity, leaving some percentage available for LEEGs. This approach of allowing for LEEGs to use some portion of the "not more than 50%" allocation of the total 10% DG program soft cap established under PA 235 Section 173(3) is, in my opinion, a reasonable approach since it allows for DG customer projects "with a generation capacity limited to 110% of the customer's electricity consumption for the previous 12 months" per Section 5(e) of PA 235 but still respects the allocations in Section 173(3) and overall DG program soft cap.

Q. Are the modifications to the size limit of eligible projects and category-based program limits established under PA 235 reflected in the existing DG Rider or the proposed DG2 Rider?

A. No, I&M's testimony was filed prior to enactment of PA 235 of 2023, and the Company has not filed supplemental testimony indicating any revisions to its initial DG program proposal since the enactment of PA 235. Currently, the existing DG Rider[15] and the proposed DG2 Rider[16] both reflect project size limits and capacity allocations made obsolete by PA 235.

Q. Did PA 235 make any changes to the statutory requirements related to generation meters for DG systems?

A. Yes, Section 177(1) of PA 235 deleted the requirement that, for customers with a system capable of generating more than 20 kW, utilities install and use a generation meter in addition to a meter for measuring electricity inflow and outflow. Specifically, Section 177(1) of PA 235 deleted the following text, "For a customer with a generation system capable of generating more than 20 kilowatts, the utility shall install and utilize a generation meter and a meter or meters capable of measuring the flow of energy in both directions."

Q. What is a generation meter?

A. A generation meter is a meter installed to measure the output of a customer's behind-the-meter generation. A generation meter is used in addition to a meter or meters that are

[15] Exhibit A-16, Schedule F5.4, Section D, pp. 132–137.
[16] Exhibit A-16, Schedule F5.4, Section D, pp. 138–143.

installed at the customer's point of interconnection with the grid to measure the inflow and outflow of power from the customer's premises.

Q. Are generation meters still required for DG customers with a generation system capable of generating more than 20 kW?

A. As of the effective date of PA 235, generation meters should not still be required for systems capable of generating more than 20 kW. However, although Section 177(1) of PA 235 deleted the statutory requirement for utilities to install and use a generation meter, the Commission has yet to adopt new Interconnection and Distributed Generation Standards in response to PA 235. As a result, the generation meter requirement still exists under Part 3 of the Interconnection and Distributed Generation Standards recently adopted[17] by the Commission. Specifically, Rule 114, in subsections (2) and (3), requires an electric utility to use "a meter or meters capable of measuring the flow of energy in both directions and the generator output."[18]

Q. Can the Commission modify the generation meter requirement in its rules?

A. I will not speak to the process for modifying the rule itself, but I am aware that the Commission can grant a waiver from provisions of its rules, provided certain conditions are met.[19]

[17] *In the matter, on the Commission's own motion, to promulgate rules governing electric interconnection and distributed generation and to rescind legacy interconnection and net metering rules*, order of the Public Service Commission, entered April 24, 2023 (Case No. U-20890).
[18] Mich Admin R 460.1014.
[19] Mich Admin R 460.910.

Q. Are you proposing that the Commission grant a waiver of the generation meter requirement in this case?

A. Yes. Because this requirement has been removed from statute, I am recommending that the Commission grant a blanket waiver from the generation meter requirement contained in its Interconnection and Distributed Generation Standards. To the extent that the Commission determines that this case is not the proper procedural vehicle for granting such a waiver, however, I would recommend that, in its final order, the Commission explicitly indicate its willingness to grant such a waiver when requested by an appropriate party under Rule 910. In parallel with this process, I would recommend that the Commission explore any and all expeditious means to modify and update the Interconnection and Distributed Generation Standards to comply with PA 235.

Q. Would you please summarize your recommendations to the Commission with respect to modifications that should be made to I&M's DG program as a consequence of PA 235?

A. I recommend the Commission 1) require I&M to identify and contact customers who submitted an application for the DG program or who were directed to a different Company tariff in lieu of the DG program after the May 15, 2023 cutoff date for the Company's existing DG Rider, notify them concerning their renewed eligibility for the Company's DG program under PA 235, and provide them a reasonably efficient and simple mechanism to participate in the DG program under a reopened existing DG Rider; 2) require that I&M's existing DG tariff be made available to any customer with a DG system size of up to 110% of the customer's electricity consumption for the previous 12 months; and 3) either grant a

blanket waiver from generation meter requirements for I&M customers participating in the DG program and require that I&M's DG tariff not include a generation meter requirement or indicate its willingness to do so if requested in an application specifically made under Rule 910.

IV. I&M's Proposed DG2 Rider

Q. What is your recommendation regarding I&M's proposed DG2 Rider?

A. I recommend the Commission reject I&M's proposed DG2 Rider because the proposed DG2 Rider does not include a credit for electricity outflow that reflects cost of service as required under PA 235.

Q. Please elaborate on the credit for electricity outflow under the proposed DG2 Rider.

A. I&M Witness Seger-Lawson describes the proposed DG2 Rider tariff as "a market-based rate" rather than a cost of service-based rate.[20] The proposed DG2 Rider includes an electricity outflow credit for energy and capacity, neither of which reflect the embedded cost method I&M uses to calculate its cost of service in its rate schedules for the retail sale of electricity to customers.

Q. Please discuss your concerns with the energy portion of I&M's proposed outflow credit under its DG2 Rider proposal.

A. I&M's proposed DG2 Rider includes "an energy value equal to the average real-time locational marginal price (LMP) rate for the I&M Load Zone from the previous calendar

[20] Seger-Lawson Direct, p. 29.

year."[21] The proposed energy value, shown as "Average Real Time LMP 2022" in Figure JCD-3,[22] is based on the simple average of real-time LMPs for calendar year 2022 as shown in I&M Response to MEIU DR 1-06_Attachment_1.xlsx, included herewith as Exhibit MEIU-3. This value, calculated without consideration of I&M's actual hourly load, does not accurately represent I&M's actual annual average energy costs, and instead represents the average annual energy costs as if I&M's load were the same in each hour of the year. Unsurprisingly, as demonstrated in I&M Response to MEIU DR 1-07.xlsx, included herewith as Exhibit MEIU-4, I&M's hourly load is not the same from hour to hour.

Furthermore, the energy portion of I&M's proposed DG2 Rider outflow credit also does not reflect the value of the DG outflow at the time it is delivered or even include a basic time- or season-based differentiation for peak and off-peak hours. I&M proposes to use the previous year's LMP values, updated annually by March 1.[23] Thus, even if it did not already suffer from its failure to conform to a cost of service-based construct as required by PA 235, I&M's proposed DG2 Rider approach to energy credits, based on the previous year's hourly LMPs, is not even "market-based" as described by the Company.

Q. Please discuss your concerns with the capacity portion of I&M's proposed outflow credit under its DG2 Rider proposal.

[21] Direct Testimony of Jennifer C. Duncan on behalf of Indiana Michigan Power Company in Case No. U-21461 ("Duncan Direct"), p. 19.
[22] Duncan Direct, p. 20.
[23] Seger-Lawson Direct, p. 30.

A. I&M's proposed DG2 Rider includes "a capacity value equal to PJM Net CONE"[24] which, like the proposed energy credit, is a market-based value that does not fully reflect I&M's actual cost of service. As discussed by I&M witness Hornyak,[25] I&M's embedded cost of capacity, calculated "in a manner consistent with I&M's most recent rate cases" is $173,296,834, while "the PJM Net Cone for planning year (PY) 2023/2024 is $249.24 [per MW-day] and produces a Power Supply Capacity Cost of $69,739,664." I&M's proposal to include a capacity value based on PJM Net CONE in its proposed DG2 Rider results in a capacity value that is only about 40% of its actual embedded cost of capacity, and, in my opinion, the capacity portion of the proposed DG2 Rider does not reflect I&M's cost of service as required under PA 235.

Q. What are your recommendations to the Commission regarding the proposed DG2 Rider?

A. I recommend that the Commission reject I&M's proposed DG2 Rider.

V. Summary of Recommendations

Q. Please summarize your recommendations to the Commission.

A. My recommendations to the Commission are as follows:

1) Require I&M to reinstate its existing DG Rider using the same approach to calculate the credit for electricity outflow as was approved in its last rate case, Case No. U-20359.

[24] Duncan Direct, p. 19.
[25] Hornyak Direct, pp. 22-23.

Eligibility terms of its existing DG Rider should also be modified as necessary to comply with the requirements of PA 235.

2) Require I&M to identify customers who submitted an application for the DG program or who were directed to a different Company tariff in lieu of the DG program after the May 15, 2023 cutoff date for the Company's existing DG Rider, notify those customers concerning their renewed eligibility for the Company's DG program under PA 235, and provide them a reasonably efficient and simple mechanism to participate in the DG program under a reopened existing DG Rider.

3) Require that I&M's existing DG tariff be made available to any customer with a DG system size of up to 110% of the customer's electricity consumption for the previous 12 months.

4) Grant a blanket waiver under Michigan Admin R 460.910 from generation meter requirements in the Commission's Interconnection and Distributed Generation Standards for I&M customers participating in the DG program (or explicitly indicate the Commission's willingness to do so upon application) and require that I&M's DG tariff not include a generation meter requirement.

5) Reject I&M's proposed DG2 tariff.

Q. Does this conclude your testimony?

A. Yes.

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

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In the matter of the application of **INDIANA MICHIGAN POWER COMPANY** for authority to increase its rates for the sale of electric energy and other related matters.	)))))	**Case No. U-21461**

Direct Exhibit List of MEIU

Witness	Exhibit #	Exhibit Description
Jason W. Hoyle	MEIU-1	Case No. U-21461 – I&M Response to Data Request No. MEIU 1-02(a)
Jason W. Hoyle	MEIU-2	Case No. U-21461 – Attachment U-21461 MEIU DR 1-01 (2023-8-18).xlsx to I&M Response to Data Request No. MEIU 1-01
Jason W. Hoyle	MEIU-3	Case No U-21461 – Attachment U-21461 MEIU DR 1-06 I&M Response to MEIU DR 1-06_Attachment 1.xlsx
Jason W. Hoyle	MEIU-4	Case No. U-21461 - Attachment U-21461 MEIU DR 1-07 I&M Response to MEIU DR 1-07.xlsx
Jason W. Hoyle	MEIU-5	CV of Jason W. Hoyle

STATE OF MICHIGAN

MICHIGAN PUBLIC SERVICE COMMISSION

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In the matter of the application of **INDIANA MICHIGAN POWER COMPANY** for authority to raise its rates for the sale of electric energy and for approval of other related matters.	))))))	**Case No. U-21461**

EXHIBITS OF JASON W. HOYLE

ON BEHALF OF

THE MICHIGAN ENERGY INNOVATION BUSINESS COUNCIL,

INSTITUTE FOR ENERGY INNOVATION,

AND

ADVANCED ENERGY UNITED

INDIANA MICHIGAN POWER COMPANY
MICHIGAN ENERGY INNOVATION BUSINESS COUNCIL
DATA REQUEST SET NO. MEIU 1
CASE NO. U-21461

DATA REQUEST NO. MEIU 1-02

Request

For Category 2 (distributed generation systems 20kW-150kW) of the current distributed generation program, please determine the following values as of October 26, 2023, or the most recent available data, whichever is more recent. Please include all calculations to determine these values.

a. Total kW available for Category 2 under the program (given soft cap of 0.25% of average in-state peak load).
b. Current amount of installed/operational kW in Category 2.
c. Remaining amount of kW available for installation under Category 2 program based on total installed/operational kW (given total kW available as determined in a. and current amount of kW installed/operational in b.).
d. Remaining percentage available in the Category 2 program currently based on installed/operational distributed generation systems.
e. Current amount of kW of pending applications for Category 2.
f. Total current amount of installed/operational kW in Category 2 plus current amount of kW of pending applications for Category 2.
g. Remaining amount of kW that would be available for installation under Category 2 program given all installed/operational systems and assuming all pending applications were completed and operational.
h. Remaining percentage available in the Category 2 program given all installed/operational systems and assuming all pending applications were completed and operational.
i. For each of the months January 2023 to October 2023, the number of applications under Category 2 program and the number of kW requested in such applications.
j. Number of Category 2 projects installed from January 1, 2023 through October 26, 2023 with associated storage systems.
k. Total kW of storage systems associated with Category 2 installed from January 1, 2023 through October 26, 2023.
l. The number of Category 2 projects and total capacity for currently installed/operational projects and projects with pending applications for each type of renewable resource.

Response

I&M objects to the Request to the extent it seeks an analysis, calculation, or compilation which has not already been performed and which it objects to performing. Without waiving this objection, I&M please see “U-21461 MEIU DR 1-01 (2023-08-18).xlsx”, which provides Category 2 counts for the number of customers, number of installations, total capacity in

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KW, number of storage customers, and total capacity in KW of storage customers and customer status through August 2023.

a. I&M's 2022 average of in-state peak load for the previous 5 years is 637,186.

b.-l. Please see “U-21461 MEIU DR 1-01 (2023-08-18).xlsx”

Preparer
Crocker

As to Objection
Counsel

Program (DG, LNM)	Category	Total Capacity (kW)	Total Installations	Total Customers	Storage Capacity (kW)	Storage Customers
DG	Cat_1	2676.2336	346	339	435.06	89
DG	Cat_2	694.782	12	12	66.44	2
LNM	Cat_1	1463.294	183	183	33.4	8
LNM	Cat_2	259.5	7	7		

Number of Customers	Project Number	Current Status	Status_Group	Zip Code of Distributed Generation Customer	Distributed Generation Start Month/Year	Distributed Generation End Month/Year	Generator Technology Type	Generator Size (kWac)	Customer Type (Residential Commercial, Industrial)	Storage Technology	Storage Capacity (kW)	Storage Duration (kWh)	Program (DG, LNM)
1	AEP-02590	I&M - In Service	1. In Service	49098	2008-05-08		Wind	2.4	Res		0	0	DG
2	AEP-02585	I&M - In Service	1. In Service	49120	2008-10-14		Solar	3.5	Res		0	0	DG
3	AEP-02607	I&M - In Service	1. In Service	49120	2009-01-01		Wind	10	Res		0	0	DG
4	AEP-02589	I&M - In Service	1. In Service	49120	2009-01-09		Wind	2.4	Res		0	0	DG
5	AEP-02605	I&M - In Service	1. In Service	49113	2009-01-14		Wind	2.4	Res		0	0	DG
6	AEP-02610	I&M - In Service	1. In Service	49128	2009-05-05		Solar	5.3	Res		0	0	DG
7	AEP-02615	I&M - In Service	1. In Service	49079	2009-06-11		Solar	4	Res		0	0	DG
8	AEP-02606	I&M - In Service	1. In Service	49042	2009-06-15		Solar	2.4	Res		0	0	DG
9	AEP-02618	I&M - In Service	1. In Service	49022	2009-09-15		Solar	1.9	Res		0	0	DG
10	AEP-02614	I&M - In Service	1. In Service	49038	2009-12-07		Wind	2.4	Res		0	0	DG
11	AEP-02638	I&M - In Service	1. In Service	49111	2010-03-31		Wind	5	Ind		0	0	DG
12	AEP-02644	I&M - In Service	1. In Service	49128	2010-07-13		Solar	4.1	Res		0	0	DG
13	AEP-02645	I&M - In Service	1. In Service	49102	2010-08-30		Solar	10	Pub		0	0	DG
14	AEP-02648	I&M - In Service	1. In Service	49038	2010-11-05		Solar	6.5	Res		0	0	DG
15	AEP-02654	I&M - In Service	1. In Service	49120	2011-05-13		Wind	6	Com		0	0	DG
16	AEP-02657	I&M - In Service	1. In Service	49055	2011-09-22		Solar	5.5	Res		0	0	DG
17	AEP-23460	I&M - In Service	1. In Service	49127	2011-12-20		Solar	2.8	Com		0	0	DG
18	AEP-02664	I&M - In Service	1. In Service	49126	2012-01-05		Wind	2.4	Res		0	0	DG
19	AEP-02685	I&M - In Service	1. In Service	49117	2012-08-29		Solar	10	Pub		0	0	DG
20	AEP-02695	I&M - In Service	1. In Service	49102	2013-04-09		Solar	1.6	Res		0	0	LNM
21	AEP-02711	I&M - In Service	1. In Service	49079	2013-12-04		Solar	4	Res		0	0	LNM
22	AEP-02721	I&M - In Service	1. In Service	49085	2014-07-14		Solar	2.8	Res		0	0	LNM
23	AEP-02714	I&M - In Service	1. In Service	49047	2014-09-11		Solar	2.6	Res		0	0	LNM
24	AEP-02734	I&M - In Service	1. In Service	49103	2014-10-15		Solar	6	Res		0	0	LNM
25	AEP-02737	I&M - Pending Upd	1. In Service	49022	2014-12-09		Solar	6	Res		0	0	DG
26	AEP-02733	I&M - In Service	1. In Service	49107	2014-12-11		Solar	18	Res		0	0	LNM
27	AEP-02649	I&M - In Service	1. In Service	49022	2015-02-10		Solar	12	Res		0	0	DG
28	AEP-02732	I&M - In Service	1. In Service	49120	2015-06-17		Solar	3	Com		0	0	LNM
29	AEP-02749	I&M - In Service	1. In Service	49079	2015-08-06		Solar	12.4	Res		0	0	LNM
30	AEP-02756	I&M - In Service	1. In Service	49085	2015-10-09		Solar	6.2	Com		0	0	LNM
31	AEP-02591	I&M - In Service	1. In Service	49022	2016-02-03		Solar	3	Res		0	0	LNM
32	AEP-23546	I&M - In Service	1. In Service	49022	2016-02-15		Solar	5.7	Com		0	0	LNM
33	AEP-02776	I&M - In Service	1. In Service	49103	2016-03-09		Solar	8.7	Res		0	0	LNM
34	AEP-02747	I&M - In Service	1. In Service	49022	2016-04-01		Solar	5	Com		0	0	LNM
35	AEP-02798	I&M - In Service	1. In Service	49128	2016-06-27		Solar	7.7	Res		0	0	LNM
36	AEP-02795	I&M - In Service	1. In Service	49085	2016-08-17		Solar	6.4	Res		0	0	LNM
37	AEP-02808	I&M - In Service	1. In Service	49117	2016-08-30		Solar	7.6	Res		0	0	LNM
38	AEP-02771	I&M - In Service	1. In Service	49103	2016-09-01		Solar	9	Res		0	0	LNM
39	AEP-02787	I&M - In Service	1. In Service	49127	2017-02-16		Solar	4.9	Pub		0	0	LNM
40	AEP-02820	I&M - In Service	1. In Service	49079	2017-02-27		Solar	10	Res		0	0	LNM
41	AEP-02834	I&M - In Service	1. In Service	49026	2017-03-16		Solar	8.4	Res		0	0	LNM
42	AEP-02827	I&M - In Service	1. In Service	49113	2017-04-12		Solar	10.4	Res		0	0	LNM
43	AEP-02846	I&M - In Service	1. In Service	49113	2017-06-02		Solar	6.9	Res		0	0	LNM
44	AEP-02841	I&M - In Service	1. In Service	49113	2017-07-17		Solar	5.2	Res		0	0	LNM
45	AEP-02836	I&M - In Service	1. In Service	49125	2017-07-18		Solar	7.4	Res		0	0	LNM
46	AEP-02828	I&M - In Service	1. In Service	49107	2017-09-14		Solar	15.2	Com		0	0	LNM
47	AEP-02871	I&M - In Service	1. In Service	49038	2017-09-27		Solar	10	Res		0	0	LNM
48	AEP-02854	I&M - In Service	1. In Service	49022	2017-10-19		Solar	5.9	Res		0	0	LNM
49	AEP-02884	I&M - In Service	1. In Service	49107	2017-11-08		Solar	12.5	Com		0	0	LNM
50	AEP-02893	I&M - In Service	1. In Service	49107	2017-11-09		Solar	12.5	Com		0	0	LNM
51	AEP-02892	I&M - In Service	1. In Service	49107	2017-11-09		Solar	6	Com		0	0	LNM
52	AEP-02891	I&M - In Service	1. In Service	49107	2017-11-09		Solar	10	Res		0	0	LNM
53	AEP-02890	I&M - In Service	1. In Service	49107	2017-11-09		Solar	6	Com		0	0	LNM
54	AEP-02889	I&M - In Service	1. In Service	49107	2017-11-09		Solar	6	Res		0	0	LNM
55	AEP-02888	I&M - In Service	1. In Service	49107	2017-11-09		Solar	6	Com		0	0	LNM
56	AEP-02887	I&M - In Service	1. In Service	49107	2017-11-09		Solar	5	Res		0	0	LNM
57	AEP-02886	I&M - In Service	1. In Service	49107	2017-11-09		Solar	6	Com		0	0	LNM
58	AEP-02885	I&M - In Service	1. In Service	49107	2017-11-09		Solar	6	Com		0	0	LNM

59	AEP-02883	I&M - In Service	1. In Service	49107	2017-11-09	Solar	20	Com	0	0	LNM
60	AEP-02882	I&M - In Service	1. In Service	49107	2017-11-09	Solar	3.3	Res	0	0	LNM
61	AEP-02881	I&M - In Service	1. In Service	49107	2017-11-09	Solar	12.5	Com	0	0	LNM
62	AEP-02915	I&M - In Service	1. In Service	49038	2017-12-08	Solar	7.5	Res	0	0	LNM
63	AEP-02972	I&M - In Service	1. In Service	49055	2017-12-12	Solar	6	Res	0	0	LNM
64	AEP-02977	I&M - In Service	1. In Service	49022	2017-12-13	Solar	5	Res	0	0	LNM
65	AEP-02998	I&M - In Service	1. In Service	49107	2018-02-02	Solar	7.1	Res	0	0	LNM
66	AEP-02921	I&M - In Service	1. In Service	49085	2018-02-19	Solar	3	Res	0	0	LNM
67	AEP-02987	I&M - In Service	1. In Service	49013	2018-02-20	Solar	3.5	Res	0	0	LNM
68	AEP-02931	I&M - In Service	1. In Service	49045	2018-03-29	Solar	4.2	Res	0	0	LNM
69	AEP-02993	I&M - In Service	1. In Service	49057	2018-05-11	Solar	3	Res	0	0	LNM
70	AEP-03009	I&M - In Service	1. In Service	49127	2018-05-21	Solar	6	Res	0	0	LNM
71	AEP-03013	I&M - In Service	1. In Service	49055	2018-05-22	Solar	15	Com	0	0	LNM
72	AEP-02999	I&M - In Service	1. In Service	49013	2018-06-04	Solar	4.1	Res	0	0	LNM
73	AEP-02991	I&M - In Service	1. In Service	49101	2018-06-05	Solar	4.6	Res	0	0	DG
74	AEP-03017	I&M - In Service	1. In Service	49107	2018-06-06	Solar	7.4	Res	0	0	LNM
75	AEP-03032	I&M - In Service	1. In Service	49022	2018-06-08	Solar	4.6	Res	0	0	LNM
76	AEP-03033	I&M - In Service	1. In Service	49031	2018-06-15	Solar	15.2	Res	0	0	LNM
77	AEP-03034	I&M - In Service	1. In Service	49097	2018-06-28	Solar	7.6	Res	0	0	LNM
78	AEP-03026	I&M - In Service	1. In Service	49079	2018-06-29	Solar	7.6	Res	0	0	LNM
79	AEP-03027	I&M - In Service	1. In Service	49085	2018-07-03	Solar	3.8	Res	0	0	LNM
80	AEP-03043	I&M - In Service	1. In Service	49107	2018-09-04	Solar	20	Res	0	0	LNM
81	AEP-03064	I&M - In Service	1. In Service	49085	2018-09-13	Solar	7.6	Res	0	0	LNM
82	AEP-03058	I&M - In Service	1. In Service	49090	2018-10-02	Solar	5	Res	0	0	LNM
83	AEP-03053	I&M - In Service	1. In Service	49038	2018-10-10	Solar	11.4	Res	0	0	LNM
84	AEP-03030	I&M - In Service	1. In Service	49038	2018-10-15	Solar	13.9	Res	0	0	LNM
85	AEP-03084	I&M - In Service	1. In Service	49098	2018-10-26	Solar	3.8	Res	0	0	LNM
86	AEP-03099	I&M - In Service	1. In Service	49128	2018-11-02	Solar	7.6	Res	0	0	LNM
87	AEP-03035	I&M - In Service	1. In Service	49031	2018-11-08	Solar	4.7	Res	0	0	LNM
88	AEP-03102	I&M - In Service	1. In Service	49106	2018-11-12	Solar	10	Res	0	0	LNM
89	AEP-03111	I&M - In Service	1. In Service	49112	2018-11-30	Solar	10	Res	0	0	DG
90	AEP-03096	I&M - In Service	1. In Service	49120	2018-12-04	Solar	3.8	Res	0	0	LNM
91	AEP-03079	I&M - In Service	1. In Service	49057	2018-12-20	Solar	5	Res	0	0	LNM
92	AEP-03115	I&M - In Service	1. In Service	49085	2019-01-14	Solar	6.7	Res	0	0	LNM
93	AEP-03114	I&M - In Service	1. In Service	49093	2019-01-22	Solar	6	Res	0	0	LNM
94	AEP-03110	I&M - In Service	1. In Service	49120	2019-01-24	Solar	3.7	Res	0	0	LNM
95	AEP-03119	I&M - In Service	1. In Service	49065	2019-02-13	Solar	6.2	Res	0	0	LNM
96	AEP-03146	I&M - In Service	1. In Service	49111	2019-02-15	Solar	5	Res	0	0	LNM
97	AEP-03152	I&M - In Service	1. In Service	49038	2019-02-22	Solar	7.6	Res	0	0	LNM
98	AEP-03144	I&M - In Service	1. In Service	49128	2019-03-18	Solar	7.6	Res	0	0	LNM
99	AEP-03151	I&M - In Service	1. In Service	49106	2019-03-21	Solar	3.8	Res	0	0	LNM
100	AEP-03045	I&M - In Service	1. In Service	49107	2019-03-28	Solar	11.4	Res	0	0	LNM
101	AEP-03123	I&M - In Service	1. In Service	49107	2019-04-03	Solar	6	Res	0	0	LNM
102	AEP-03135	I&M - In Service	1. In Service	49098	2019-04-11	Solar	3.8	Res	0	0	LNM
103	AEP-03171	I&M - In Service	1. In Service	49079	2019-04-18	Solar	3.6	Res	0	0	LNM
104	AEP-03168	I&M - In Service	1. In Service	49022	2019-04-23	Solar	7.5	Res	0	0	LNM
105	AEP-03128	I&M - In Service	1. In Service	49064	2019-04-25	Solar	6.6	Res	0	0	LNM
106	AEP-03170	I&M - In Service	1. In Service	49101	2019-04-25	Solar	4.8	Res	0	0	LNM
107	AEP-03155	I&M - In Service	1. In Service	49090	2019-04-26	Solar	6	Res	0	0	LNM
108	AEP-03140	I&M - In Service	1. In Service	49022	2019-05-01	Solar	6.7	Res	0	0	LNM
109	AEP-03120	I&M - In Service	1. In Service	49107	2019-06-03	Solar	20	Res	0	0	LNM
110	AEP-03122	I&M - In Service	1. In Service	49107	2019-06-03	Solar	20	Res	0	0	LNM
111	AEP-03202	I&M - In Service	1. In Service	49087	2019-06-05	Solar	8.7	Res	0	0	LNM
112	AEP-03233	I&M - In Service	1. In Service	49045	2019-06-07	Solar	4.8	Res	0	0	LNM
113	AEP-03231	I&M - In Service	1. In Service	49107	2019-06-10	Solar	6	Res	0	0	LNM
114	AEP-03235	I&M - In Service	1. In Service	49087	2019-06-14	Solar	3.8	Res	0	0	LNM
115	AEP-03198	I&M - In Service	1. In Service	49117	2019-06-17	Solar	13.5	Res	0	0	LNM
116	AEP-03167	I&M - In Service	1. In Service	49125	2019-06-18	Solar	7.6	Res	0	0	LNM
117	AEP-03256	I&M - In Service	1. In Service	49031	2019-06-20	Solar	10	Res	0	0	LNM
118	AEP-03188	I&M - In Service	1. In Service	49055	2019-06-28	Solar	15.2	Res	0	0	LNM
119	AEP-03229	I&M - In Service	1. In Service	49047	2019-07-02	Solar	3	Res	0	0	LNM
120	AEP-03077	I&M - In Service	1. In Service	49042	2019-07-02	Solar	19.7	Res	0	0	LNM

121	AEP-03243	I&M - In Service	1. In Service	49045	2019-07-17	Solar	5	Res	0	0 LNM
122	AEP-03213	I&M - In Service	1. In Service	49113	2019-07-17	Solar	18.5	Res	0	0 LNM
123	AEP-03211	I&M - In Service	1. In Service	49107	2019-07-19	Solar	13.8	Res	0	0 LNM
124	AEP-03241	I&M - In Service	1. In Service	49091	2019-07-19	Solar	6	Res	0	0 LNM
125	AEP-03187	I&M - In Service	1. In Service	49047	2019-07-23	Solar	10	Res	0	0 LNM
126	AEP-03259	I&M - In Service	1. In Service	49106	2019-08-14	Solar	9.6	Com	0	0 LNM
127	AEP-03244	I&M - In Service	1. In Service	49103	2019-08-15	Solar	3.8	Res	0	0 LNM
128	AEP-03228	I&M - In Service	1. In Service	49093	2019-08-20	Solar	7.2	Res	0	0 LNM
129	AEP-03279	I&M - In Service	1. In Service	49093	2019-08-23	Solar	3	Res	0	0 LNM
130	AEP-03205	I&M - In Service	1. In Service	49120	2019-08-23	Solar	6	Res	0	0 LNM
131	AEP-03265	I&M - In Service	1. In Service	49102	2019-08-27	Solar	7.7	Com	0	0 LNM
132	AEP-03266	I&M - In Service	1. In Service	49102	2019-08-27	Solar	7.7	Res	0	0 LNM
133	AEP-03267	I&M - In Service	1. In Service	49102	2019-08-27	Solar	7.7	Com	0	0 LNM
134	AEP-03361	I&M - In Service	1. In Service	49101	2019-09-23	Solar	7.6	Res	0	0 LNM
135	AEP-03310	I&M - In Service	1. In Service	49113	2019-09-24	Solar	19.7	Res	0	0 LNM
136	AEP-03325	I&M - In Service	1. In Service	49065	2019-09-26	Solar	11.4	Res	0	0 LNM
137	AEP-03318	I&M - In Service	1. In Service	49047	2019-10-08	Solar	4.6	Res	0	0 LNM
138	AEP-03281	I&M - In Service	1. In Service	49107	2019-10-09	Solar	17	Res	0	0 LNM
139	AEP-03286	I&M - In Service	1. In Service	49106	2019-10-09	Solar	7.6	Res	0	0 DG
140	AEP-03246	I&M - In Service	1. In Service	49127	2019-10-21	Solar	10	Res	0	0 LNM
141	AEP-03356	I&M - In Service	1. In Service	49111	2019-10-23	Solar	9.8	Res	0	0 LNM
142	AEP-03386	I&M - In Service	1. In Service	49085	2019-10-23	Solar	7.2	Res	0	0 LNM
143	AEP-03270	I&M - In Service	1. In Service	49127	2019-10-28	Solar	6	Res	0	0 LNM
144	AEP-03371	I&M - In Service	1. In Service	49106	2019-10-31	Solar	5.7	Res	0	0 LNM
145	AEP-03385	I&M - In Service	1. In Service	49101	2019-11-05	Solar	3.8	Res	0	0 LNM
146	AEP-03358	I&M - In Service	1. In Service	49013	2019-11-08	Solar	10	Res	0	0 LNM
147	AEP-03359	I&M - In Service	1. In Service	49097	2019-11-12	Solar	3.7	Res	0	0 LNM
148	AEP-03297	I&M - In Service	1. In Service	49120	2019-11-21	Solar	6	Res	0	0 LNM
149	AEP-03434	I&M - In Service	1. In Service	49129	2019-11-26	Solar	8	Res	0	0 LNM
150	AEP-03384	I&M - In Service	1. In Service	49107	2019-12-16	Solar	10	Res	0	0 LNM
151	AEP-03287	I&M - In Service	1. In Service	49128	2019-12-29	Solar	14	Res	0	0 LNM
152	AEP-03394	I&M - In Service	1. In Service	49107	2020-01-10	Solar	3	Res	0	0 DG
153	AEP-03407	I&M - In Service	1. In Service	49103	2020-01-13	Solar	7.6	Res	0	0 LNM
154	AEP-03401	I&M - In Service	1. In Service	49107	2020-01-14	Solar	1.2	Com	0	0 LNM
155	AEP-03452	I&M - In Service	1. In Service	49065	2020-01-28	Solar	5	Res	0	0 LNM
156	AEP-03429	I&M - In Service	1. In Service	49057	2020-01-30	Solar	7.6	Res	0	0 LNM
157	AEP-03492	I&M - In Service	1. In Service	49111	2020-01-31	Solar	7.6	Res	0	0 LNM
158	AEP-03342	I&M - In Service	1. In Service	49111	2020-01-31	Solar	6	Res	0	0 LNM
159	AEP-03450	I&M - In Service	1. In Service	49112	2020-01-31	Solar	5	Res	0	0 LNM
160	AEP-03438	I&M - In Service	1. In Service	49103	2020-02-18	Solar	6.6	Res	0	0 LNM
161	AEP-03439	I&M - In Service	1. In Service	49103	2020-02-24	Solar	20	Res	0	0 LNM
162	AEP-03430	I&M - In Service	1. In Service	49111	2020-03-02	Solar	5	Res	0	0 LNM
163	AEP-03509	I&M - In Service	1. In Service	49067	2020-03-04	Solar	3.6	Res	0	0 LNM
164	AEP-03437	I&M - In Service	1. In Service	49079	2020-03-05	Solar	3.8	Res	0	0 LNM
165	AEP-03362	I&M - In Service	1. In Service	49113	2020-03-09	Solar	7.2	Res	0	0 LNM
166	AEP-03508	I&M - In Service	1. In Service	49022	2020-03-12	Solar	6.9	Res	0	0 LNM
167	AEP-03496	I&M - In Service	1. In Service	49038	2020-04-03	Solar	6	Res	0	0 LNM
168	AEP-03535	I&M - In Service	1. In Service	49098	2020-04-03	Solar	4.3	Res	0	0 DG
169	AEP-03483	I&M - In Service	1. In Service	49047	2020-04-14	Solar	2.7	Res	0	0 LNM
170	AEP-03319	I&M - In Service	1. In Service	49022	2020-04-24	Solar	6.2	Res	0	0 LNM
171	AEP-03562	I&M - In Service	1. In Service	49107	2020-05-06	Solar	11.4	Res	0	0 LNM
172	AEP-03526	I&M - In Service	1. In Service	49065	2020-05-15	Solar	12	Res	0	0 LNM
173	AEP-03534	I&M - In Service	1. In Service	49106	2020-05-21	Solar	6.2	Com	0	0 LNM
174	AEP-03545	I&M - In Service	1. In Service	49079	2020-05-21	Solar	3.8	Com	0	0 DG
175	AEP-03514	I&M - In Service	1. In Service	49013	2020-06-05	Solar	4.6	Res	0	0 LNM
176	AEP-03494	I&M - In Service	1. In Service	49126	2020-06-09	Solar	15.4	Res	0	0 LNM
177	AEP-03565	I&M - In Service	1. In Service	49112	2020-06-11	Solar	7.6	Res	0	0 LNM
178	AEP-03500	I&M - In Service	1. In Service	49097	2020-06-17	Solar	5.5	Res	0	0 LNM
179	AEP-03571	I&M - In Service	1. In Service	49091	2020-06-26	Solar	3.5	Res	0	0 LNM
180	AEP-23538	I&M - In Service	1. In Service	49022	2020-07-08	Solar	15.2	Res	0	0 LNM
181	AEP-23458	I&M - In Service	1. In Service	49042	2020-07-08	Solar	7.1	Res	0	0 LNM
182	AEP-03357	I&M - In Service	1. In Service	49120	2020-07-08	Solar	20	Res	0	0 LNM

183	AEP-23575	I&M - In Service	1. In Service	49022	2020-07-23	Solar	3.2	Res		0	0	LNM
184	AEP-03560	I&M - In Service	1. In Service	49097	2020-07-29	Solar	4.6	Res		0	0	LNM
185	AEP-03550	I&M - In Service	1. In Service	49111	2020-08-13	Solar	6.2	Res		0	0	LNM
186	AEP-23554	I&M - In Service	1. In Service	49038	2020-08-13	Solar	7.6	Res		0	0	LNM
187	AEP-23568	I&M - In Service	1. In Service	49099	2020-08-13	Solar	15.6	Res		0	0	LNM
188	AEP-03527	I&M - In Service	1. In Service	49022	2020-08-13	Solar	3.7	Res		0	0	LNM
189	AEP-23555	I&M - In Service	1. In Service	49026	2020-08-18	Solar	5.5	Res		0	0	DG
190	AEP-14286	I&M - In Service	1. In Service	49103	2020-08-20	Solar	7.6	Res	Battery	5	8.6	LNM
191	AEP-03524	I&M - In Service	1. In Service	49057	2020-08-20	Solar	3.8	Res		0	0	LNM
192	AEP-23532	I&M - In Service	1. In Service	49042	2020-08-27	Solar	7	Res		0	0	LNM
193	AEP-14927	I&M - In Service	1. In Service	49085	2020-10-08	Solar	10.44	Res		0	0	DG
194	AEP-14444	I&M - In Service	1. In Service	49038	2020-10-09	Solar	7.6	Res	Battery	5	8.6	LNM
195	AEP-14493	I&M - In Service	1. In Service	49085	2020-10-12	Solar	15.2	Res	Battery	5	8.6	DG
196	AEP-15595	I&M - In Service	1. In Service	49079	2020-10-14	Solar	7.6	Res		0	0	DG
197	AEP-03522	I&M - In Service	1. In Service	49111	2020-10-20	Solar	19.8	Res		0	0	LNM
198	AEP-15056	I&M - In Service	1. In Service	49101	2020-10-22	Solar	7.6	Res	Battery	5	8.6	DG
199	AEP-15263	I&M - In Service	1. In Service	49101	2020-10-26	Solar	9.28	Res		0	0	DG
200	AEP-14374	I&M - In Service	1. In Service	49103	2020-11-02	Solar	15.2	Res	Battery	5	8.6	LNM
201	AEP-15598	I&M - In Service	1. In Service	49128	2020-11-04	Solar	5	Res		0	0	DG
202	AEP-23462	I&M - In Service	1. In Service	49120	2020-11-04	Solar	1.1	Res		0	0	DG
203	AEP-15172	I&M - In Service	1. In Service	49111	2020-11-12	Solar	5.76	Res		0	0	DG
204	AEP-23544	I&M - In Service	1. In Service	49126	2020-11-17	Solar	3	Res		0	0	DG
205	AEP-03511	I&M - In Service	1. In Service	49127	2020-11-17	Solar	11.3	Res		0	0	LNM
206	AEP-03578	I&M - In Service	1. In Service	49022	2020-11-25	Solar	7	Res		0	0	LNM
207	AEP-15576	I&M - In Service	1. In Service	49103	2020-12-03	Solar	7.6	Res		0	0	DG
208	AEP-15599	I&M - In Service	1. In Service	49085	2020-12-10	Solar	6	Res		0	0	DG
209	AEP-16518	I&M - In Service	1. In Service	49112	2020-12-17	Solar	10	Res		0	0	DG
210	AEP-03448	I&M - In Service	1. In Service	49071	2020-12-20	Solar	7.6	Res		0	0	LNM
211	AEP-16343	I&M - In Service	1. In Service	49022	2020-12-21	Solar	13.6	Com		0	0	DG
212	AEP-16145	I&M - Pending Upd	1. In Service	49128	2020-12-31	Solar	19.5	Res		0	0	DG
213	AEP-14944	I&M - In Service	1. In Service	49079	2021-01-07	Solar	7.6	Res	Battery	3.4	8.6	DG
214	AEP-18063	I&M - In Service	1. In Service	49026	2021-01-11	Solar	11.284	Res	Battery	5.7	10.5	DG
215	AEP-16262	I&M - In Service	1. In Service	49117	2021-01-18	Solar	15.2	Res	Battery	3.4	8.6	DG
216	AEP-16174	I&M - In Service	1. In Service	49098	2021-01-19	Solar	7.6	Res		0	0	DG
217	AEP-23511	I&M - In Service	1. In Service	49085	2021-01-22	Solar	12.98	Pub		0	0	LNM
218	AEP-15521	I&M - In Service	1. In Service	49107	2021-02-03	Solar	7.6	Res	Battery	5	8.6	DG
219	AEP-16427	I&M - In Service	1. In Service	49106	2021-02-11	Solar	7.6	Res	Battery	5.6	14.3	DG
220	AEP-19131	I&M - In Service	1. In Service	49106	2021-02-22	Solar	6.96	Res		0	0	DG
221	AEP-14545	I&M - In Service	1. In Service	49042	2021-02-25	Solar	7.6	Res	Battery	5	8.6	DG
222	AEP-15141	I&M - In Service	1. In Service	49057	2021-03-03	Solar	8.32	Res		0	0	DG
223	AEP-14579	I&M - In Service	1. In Service	49107	2021-03-08	Solar	7.6	Res	Battery	5	8.6	DG
224	AEP-15848	I&M - In Service	1. In Service	49120	2021-03-08	Solar	6.72	Res		0	0	DG
225	AEP-17126	I&M - In Service	1. In Service	49022	2021-03-08	Solar	14.24	Res	Battery	5	8.6	DG
226	AEP-15605	I&M - In Service	1. In Service	49103	2021-03-08	Solar	15.2	Res		0	0	DG
227	AEP-19132	I&M - In Service	1. In Service	49038	2021-03-08	Solar	7.44	Res		0	0	DG
228	AEP-17291	I&M - In Service	1. In Service	49117	2021-03-11	Solar	15.2	Res		0	0	DG
229	AEP-18792	I&M - In Service	1. In Service	49038	2021-03-22	Solar	7.6	Res	Battery	3.4	8.6	DG
230	AEP-17107	I&M - In Service	1. In Service	49103	2021-03-23	Solar	11.97	Com		0	0	DG
231	AEP-17109	I&M - In Service	1. In Service	49103	2021-03-23	Solar	8.4	Res		0	0	DG
232	AEP-16853	I&M - In Service	1. In Service	49093	2021-03-29	Solar	3.8	Res		0	0	DG
233	AEP-16264	I&M - In Service	1. In Service	49103	2021-03-29	Solar	7.6	Res	Battery	3.4	8.6	DG
234	AEP-14546	I&M - In Service	1. In Service	49047	2021-04-22	Solar	7.6	Res	Battery	5	8.6	DG
235	AEP-19187	I&M - In Service	1. In Service	49087	2021-04-22	Solar	9.01	Res	Battery	3.4	8.6	DG
236	AEP-20070	I&M - In Service	1. In Service	49111	2021-04-28	Solar	7.6	Res	Battery	3.4	8.6	DG
237	AEP-18313	I&M - In Service	1. In Service	49065	2021-06-16	Solar	9.074	Res		0	0	DG
238	AEP-19430	I&M - In Service	1. In Service	49065	2021-06-18	Solar	6.282	Res		0	0	DG
239	AEP-21043	I&M - In Service	1. In Service	49107	2021-06-25	Solar	5.856	Res		0	0	LNM
240	AEP-20139	I&M - In Service	1. In Service	49099	2021-06-25	Solar	5.76	Res		0	0	DG
241	AEP-20905	I&M - In Service	1. In Service	49099	2021-06-29	Solar	6.7	Res	Battery	3.4	8.6	DG
242	AEP-20647	I&M - In Service	1. In Service	49038	2021-06-29	Solar	5.94	Res		0	0	DG
243	AEP-24075	I&M - In Service	1. In Service	49120	2021-07-23	Solar	7.6	Res	Battery	3.4	8.6	DG
244	AEP-20096	I&M - In Service	1. In Service	49087	2021-07-23	Solar	3.8	Res		0	0	DG

245	AEP-02628	I&M - In Service	1. In Service	49115	2021-08-19	Solar	1.2	Com		0	0	DG
246	AEP-20071	I&M - In Service	1. In Service	49097	2021-08-30	Solar	7.6	Res	Battery	3.4	8.6	DG
247	AEP-25980	I&M - In Service	1. In Service	49107	2021-08-30	Solar	7.6	Res	Battery	3.4	8.6	DG
248	AEP-19188	I&M - In Service	1. In Service	49038	2021-08-30	Solar	7.6	Res		0	0	DG
249	AEP-25480	I&M - In Service	1. In Service	49129	2021-08-30	Solar	5.51	Res		0	0	DG
250	AEP-26360	I&M - In Service	1. In Service	49079	2021-08-30	Solar	8.64	Res		0	0	DG
251	AEP-26160	I&M - In Service	1. In Service	49107	2021-08-30	Solar	7.6	Res	Battery	3.4	8.6	DG
252	AEP-24617	I&M - In Service	1. In Service	49079	2021-08-31	Solar	7.6	Res	Battery	3.4	8.6	DG
253	AEP-24770	I&M - In Service	1. In Service	49079	2021-08-31	Solar	7.6	Res	Battery	5	8.6	DG
254	AEP-22552	I&M - In Service	1. In Service	49107	2021-08-31	Solar	7.6	Res	Battery	3.4	8.6	DG
255	AEP-23651	I&M - In Service	1. In Service	49103	2021-08-31	Solar	5.94	Res		0	0	DG
256	AEP-22638	I&M - In Service	1. In Service	49101	2021-08-31	Solar	7.6	Res	Battery	5.6	14.3	DG
257	AEP-24438	I&M - In Service	1. In Service	49120	2021-08-31	Solar	11.517	Res		0	0	DG
258	AEP-16935	I&M - In Service	1. In Service	49057	2021-08-31	Solar	7.59	Res		0	0	DG
259	AEP-18380	I&M - In Service	1. In Service	49022	2021-08-31	Solar	12.6	Res	Battery	5	8.6	DG
260	AEP-21117	I&M - In Service	1. In Service	49117	2021-09-06	Solar	15.2	Res	Battery	3.4	8.6	DG
261	AEP-19144	I&M - In Service	1. In Service	49106	2021-09-06	Solar	8.5	Res		0	0	DG
262	AEP-21177	I&M - In Service	1. In Service	49097	2021-09-06	Solar	6.96	Res		0	0	DG
263	AEP-20250	I&M - In Service	1. In Service	49117	2021-09-06	Solar	7.6	Res	Battery	3.4	8.6	DG
264	AEP-25068	I&M - In Service	1. In Service	49103	2021-09-06	Solar	20	Res	Battery	10	27	DG
265	AEP-19021	I&M - In Service	1. In Service	49065	2021-09-06	Solar	8.35	Res	Battery	3.4	8.6	DG
266	AEP-14495	I&M - In Service	1. In Service	49079	2021-09-10	Solar	6.6	Res	Battery	3.4	8.6	LNM
267	AEP-25180	I&M - In Service	1. In Service	49106	2021-09-20	Solar	15.2	Res		0	0	DG
268	AEP-24229	I&M - In Service	1. In Service	49022	2021-09-20	Solar	7.6	Res	Battery	3.4	8.6	DG
269	AEP-16178	I&M - In Service	1. In Service	49103	2021-09-20	Solar	10.24	Res		0	0	DG
270	AEP-25620	I&M - In Service	1. In Service	49120	2021-09-20	Solar	7.6	Res		0	0	DG
271	AEP-17147	I&M - In Service	1. In Service	49103	2021-09-20	Solar	11.4	Res		0	0	DG
272	AEP-19177	I&M - In Service	1. In Service	49111	2021-09-20	Solar	7.6	Res	Battery	3.4	8.6	DG
273	AEP-24791	I&M - In Service	1. In Service	49103	2021-09-20	Solar	20	Res		0	0	DG
274	AEP-27720	I&M - In Service	1. In Service	49065	2021-09-22	Solar	7.6	Res	Battery	3.4	8.6	DG
275	AEP-20806	I&M - In Service	1. In Service	49038	2021-09-22	Solar	2.97	Res		0	0	DG
276	AEP-23308	I&M - In Service	1. In Service	49106	2021-09-28	Solar	5	Res		0	0	LNM
277	AEP-25099	I&M - In Service	1. In Service	49103	2021-09-29	Solar	7.6	Res	Battery	3.4	8.6	LNM
278	AEP-28749	I&M - In Service	1. In Service	49128	2021-09-29	Solar	5.8	Res		0	0	LNM
279	AEP-27536	I&M - In Service	1. In Service	49120	2021-09-30	Solar	15.705	Res		0	0	DG
280	AEP-25184	I&M - In Service	1. In Service	49085	2021-09-30	Solar	10.73	Res	Battery	10	27	DG
281	AEP-20493	I&M - In Service	1. In Service	49097	2021-10-11	Solar	7.6	Res	Battery	3.4	8.6	DG
282	AEP-21304	I&M - In Service	1. In Service	49022	2021-10-11	Solar	11.4	Res		0	0	DG
283	AEP-26901	I&M - In Service	1. In Service	49103	2021-10-11	Solar	7.6	Res	Battery	3.4	8.6	DG
284	AEP-18731	I&M - In Service	1. In Service	49098	2021-10-14	Solar	7.6	Res		0	0	DG
285	AEP-28339	I&M - In Service	1. In Service	49038	2021-10-14	Solar	10	Res		0	0	DG
286	AEP-27793	I&M - In Service	1. In Service	49112	2021-10-28	Solar	11	Res	Battery	3.4	9	DG
287	AEP-25351	I&M - In Service	1. In Service	49085	2021-10-28	Solar	5	Res		0	0	DG
288	AEP-21296	I&M - In Service	1. In Service	49057	2021-10-29	Solar	7.6	Res		0	0	DG
289	AEP-28088	I&M - In Service	1. In Service	49097	2021-11-04	Solar	3.36	Res		0	0	DG
290	AEP-21368	I&M - In Service	1. In Service		2021-11-04	Solar	7.6	Res		0	0	DG
291	AEP-20489	I&M - In Service	1. In Service	49093	2021-11-04	Solar	7.6	Res	Battery	3.4	8.6	DG
292	AEP-20866	I&M - In Service	1. In Service	49031	2021-11-04	Solar	7.24	Res	Battery	3.4	8.6	DG
293	AEP-29145	I&M - In Service	1. In Service	49103	2021-11-08	Solar	7.6	Res	Battery	3.4	9	DG
294	AEP-26643	I&M - In Service	1. In Service	49117	2021-11-11	Solar	10.44	Res		0	0	DG
295	AEP-25131	I&M - In Service	1. In Service	49079	2021-11-11	Solar	10.12	Res	Battery	3.4	8.6	DG
296	AEP-26139	I&M - In Service	1. In Service	49022	2021-11-16	Solar	7.6	Ind		0	0	DG
297	AEP-18656	I&M - In Service	1. In Service	49120	2021-12-02	Solar	15.2	Res	Battery	3.4	8.6	DG
298	AEP-28003	I&M - In Service	1. In Service	49120	2021-12-02	Solar	7.6	Res	Battery	3.4	9	LNM
299	AEP-21406	I&M - In Service	1. In Service	49099	2021-12-03	Solar	7.6	Res		0	0	DG
300	AEP-29788	I&M - In Service	1. In Service	49065	2021-12-06	Solar	7.83	Res		0	0	LNM
301	AEP-30656	I&M - In Service	1. In Service	49026	2021-12-06	Solar	5.22	Res		0	0	DG
302	AEP-24103	I&M - In Service	1. In Service	49103	2021-12-06	Solar	7.6	Res	Battery	5	8.6	DG
303	AEP-29249	I&M - In Service	1. In Service	49097	2021-12-07	Solar	7.25	Res		0	0	DG
304	AEP-22585	I&M - In Service	1. In Service	49106	2021-12-07	Solar	15.2	Res	Battery	3.4	8.6	LNM
305	AEP-29699	I&M - In Service	1. In Service	49125	2021-12-07	Solar	4.64	Res		0	0	DG
306	AEP-27746	I&M - In Service	1. In Service	49120	2021-12-09	Solar	8.688	Res	Battery	4.8	10.24	LNM

307	AEP-27176	I&M - In Service	1. In Service	49043	2021-12-16	Solar	8.12	Res		0	0	DG
308	AEP-27109	I&M - In Service	1. In Service	49103	2021-12-16	Solar	6.96	Res		0	0	DG
309	AEP-27607	I&M - In Service	1. In Service	49022	2021-12-16	Solar	7.6	Res		0	0	DG
310	AEP-30032	I&M - In Service	1. In Service	49038	2021-12-16	Solar	14.4	Res	Battery	17.6	18.72	DG
311	AEP-28923	I&M - In Service	1. In Service	49107	2021-12-16	Solar	6.8	Res		0	0	DG
312	AEP-30800	I&M - In Service	1. In Service	49085	2021-12-22	Solar	9.86	Res	Battery	10	27	DG
313	AEP-29491	I&M - In Service	1. In Service	49117	2022-01-06	Solar	7.6	Res	Battery	3.4	9	DG
314	AEP-29733	I&M - In Service	1. In Service	49117	2022-01-06	Solar	7.33	Res	Battery	3.84	10.08	DG
315	AEP-26054	I&M - In Service	1. In Service	49085	2022-01-13	Solar	7.6	Res	Battery	5	8.6	DG
316	AEP-18960	I&M - In Service	1. In Service	49022	2022-01-13	Solar	11.4	Res		0	0	DG
317	AEP-25608	I&M - In Service	1. In Service	49022	2022-01-13	Solar	5.76	Res		0	0	DG
318	AEP-30765	I&M - In Service	1. In Service	49128	2022-01-13	Solar	6.38	Res		0	0	DG
319	AEP-32869	I&M - In Service	1. In Service	49079	2022-01-20	Solar	6.67	Res		0	0	DG
320	AEP-28254	I&M - In Service	1. In Service	49071	2022-01-21	Solar	6	Res		0	0	DG
321	AEP-31120	I&M - In Service	1. In Service	49065	2022-02-02	Solar	8.7	Res		0	0	DG
322	AEP-30114	I&M - In Service	1. In Service	49128	2022-02-07	Solar	3.48	Res		0	0	DG
323	AEP-28710	I&M - In Service	1. In Service	49093	2022-02-07	Solar	7.83	Res		0	0	DG
324	AEP-31628	I&M - In Service	1. In Service	49120	2022-02-07	Solar	7.6	Res	Battery	3.4	9	DG
325	AEP-19322	I&M - In Service	1. In Service	49112	2022-02-07	Solar	17.26	Res	Battery	3.4	8.6	DG
326	AEP-30110	I&M - In Service	1. In Service	49013	2022-02-07	Solar	5.51	Res		0	0	DG
327	AEP-29253	I&M - In Service	1. In Service	49106	2022-02-07	Solar	4.93	Res		0	0	DG
328	AEP-32008	I&M - In Service	1. In Service	49103	2022-02-07	Solar	7.6	Res		0	0	DG
329	AEP-21291	I&M - In Service	1. In Service	49097	2022-02-11	Solar	16	Res		0	0	DG
330	AEP-21318	I&M - In Service	1. In Service	49507	2022-02-18	Solar	12	Res		0	0	DG
331	AEP-31813	I&M - In Service	1. In Service	49022	2022-02-18	Solar	6.282	Res		0	0	DG
332	AEP-27411	I&M - In Service	1. In Service	49112	2022-02-18	Solar	9.57	Res		0	0	DG
333	AEP-27377	I&M - In Service	1. In Service	49038	2022-02-18	Solar	10	Res		0	0	DG
334	AEP-32067	I&M - In Service	1. In Service	49087	2022-02-21	Solar	8.16	Res		0	0	DG
335	AEP-28412	I&M - In Service	1. In Service	49106	2022-02-22	Solar	3.8	Res		0	0	DG
336	AEP-31539	I&M - In Service	1. In Service	49022	2022-02-25	Solar	8.12	Res		0	0	DG
337	AEP-31086	I&M - In Service	1. In Service	49065	2022-02-25	Solar	4.35	Res		0	0	DG
338	AEP-29558	I&M - In Service	1. In Service	49022	2022-02-28	Solar	6.96	Res		0	0	DG
339	AEP-28289	I&M - In Service	1. In Service	49038	2022-03-01	Solar	5.51	Res		0	0	DG
340	AEP-27970	I&M - In Service	1. In Service	49098	2022-03-04	Solar	6	Res		0	0	DG
341	AEP-27773	I&M - In Service	1. In Service	49127	2022-03-04	Solar	5.76	Res		0	0	DG
342	AEP-34549	I&M - In Service	1. In Service	49120	2022-03-04	Solar	6.38	Res	Battery	5	13.5	DG
343	AEP-27780	I&M - In Service	1. In Service	49106	2022-03-29	Solar	3.8	Res		0	0	DG
344	AEP-36002	I&M - In Service	1. In Service	49125	2022-03-29	Solar	2.32	Res		0	0	DG
345	AEP-27705	I&M - In Service	1. In Service	49038	2022-03-29	Solar	7.6	Res		0	0	DG
346	AEP-28639	I&M - In Service	1. In Service	49102	2022-03-29	Solar	10.848	Res	Battery	4.8	9.6	DG
347	AEP-27381	I&M - In Service	1. In Service	49103	2022-03-29	Solar	6.38	Res		0	0	DG
348	AEP-18399	I&M - In Service	1. In Service	49022	2022-03-29	Solar	7.6	Res	Battery	8.4	14.3	DG
349	AEP-34900	I&M - In Service	1. In Service	49038	2022-03-31	Solar	8.41	Res		0	0	DG
350	AEP-32340	I&M - In Service	1. In Service	49099	2022-03-31	Solar	5.22	Res		0	0	DG
351	AEP-32562	I&M - In Service	1. In Service	49093	2022-03-31	Solar	5.04	Res		0	0	DG
352	AEP-21261	I&M - In Service	1. In Service	49022	2022-03-31	Solar	5	Res		0	0	DG
353	AEP-34433	I&M - In Service	1. In Service	49093	2022-03-31	Solar	8.7	Res		0	0	DG
354	AEP-34829	I&M - In Service	1. In Service	49079	2022-03-31	Solar	5.8	Res		0	0	DG
355	AEP-27370	I&M - In Service	1. In Service	49022	2022-04-04	Solar	6.09	Res		0	0	DG
356	AEP-31649	I&M - In Service	1. In Service	49022	2022-04-19	Solar	5	Res		0	0	DG
357	AEP-35664	I&M - In Service	1. In Service	49057	2022-04-19	Solar	5.8	Res		0	0	LNM
358	AEP-33263	I&M - In Service	1. In Service	49026	2022-04-20	Solar	5.04	Res		0	0	LNM
359	AEP-34506	I&M - In Service	1. In Service	49112	2022-04-20	Solar	8.12	Res		0	0	DG
360	AEP-34552	I&M - In Service	1. In Service	49038	2022-04-20	Solar	4.64	Res		0	0	DG
361	AEP-30138	I&M - In Service	1. In Service	49022	2022-04-21	Solar	7.6	Res	Battery	3.4	9	DG
362	AEP-31090	I&M - In Service	1. In Service	49031	2022-04-25	Solar	6.09	Res		0	0	DG
363	AEP-37671	I&M - In Service	1. In Service	49079	2022-04-25	Solar	8.12	Res		0	0	DG
364	AEP-37229	I&M - In Service	1. In Service	49120	2022-04-25	Solar	6.96	Res		0	0	DG
365	AEP-29238	I&M - In Service	1. In Service	49085	2022-05-02	Solar	5.51	Res		0	0	DG
366	AEP-34799	I&M - In Service	1. In Service	49079	2022-05-05	Solar	10.121	Res		0	0	DG
367	AEP-36793	I&M - In Service	1. In Service	49022	2022-05-09	Solar	6.38	Res		0	0	DG
368	AEP-38258	I&M - In Service	1. In Service	49065	2022-05-09	Solar	5.8	Res		0	0	DG

369	AEP-33802	I&M - In Service	1. In Service	49119	2022-05-09	Solar	7.678	Res		0	0	DG
370	AEP-32339	I&M - In Service	1. In Service	49085	2022-05-09	Solar	4.93	Res		0	0	DG
371	AEP-25050	I&M - In Service	1. In Service	49103	2022-05-13	Solar	5.04	Res	Battery	5	13.5	DG
372	AEP-31431	I&M - In Service	1. In Service	49103	2022-05-17	Solar	7.6	Res	Battery	4.5	9	DG
373	AEP-27390	I&M - In Service	1. In Service	49067	2022-05-20	Solar	7.54	Res		0	0	DG
374	AEP-34629	I&M - In Service	1. In Service	49117	2022-05-20	Solar	7.6	Res		0	0	DG
375	AEP-36129	I&M - In Service	1. In Service	49057	2022-05-24	Solar	5.348	Res		0	0	DG
376	AEP-17889	I&M - In Service	1. In Service	49093	2022-05-25	Solar	7.6	Res	Battery	3.4	8.6	DG
377	AEP-19558	I&M - In Service	1. In Service	49099	2022-05-31	Solar	7.6	Res		0	0	DG
378	AEP-33808	I&M - In Service	1. In Service	49031	2022-06-01	Solar	13.611	Res	Battery	7.68	21	DG
379	AEP-36028	I&M - In Service	1. In Service	49107	2022-06-02	Solar	12.18	Res		0	0	DG
380	AEP-29729	I&M - In Service	1. In Service	49103	2022-06-02	Solar	8.12	Res		0	0	DG
381	AEP-27721	I&M - In Service	1. In Service	49087	2022-06-03	Solar	7.6	Res	Battery	4.5	9	DG
382	AEP-30392	I&M - In Service	1. In Service	49126	2022-06-06	Solar	11.4	Res		0	0	DG
383	AEP-35416	I&M - In Service	1. In Service	49097	2022-06-09	Solar	5.584	Res		0	0	DG
384	AEP-32299	I&M - In Service	1. In Service	49022	2022-06-22	Solar	6.66	Res		0	0	DG
385	AEP-38689	I&M - In Service	1. In Service	49112	2022-06-22	Solar	12.76	Res		0	0	DG
386	AEP-33022	I&M - In Service	1. In Service	49055	2022-06-24	Solar	5	Res		0	0	DG
387	AEP-39894	I&M - In Service	1. In Service	49045	2022-07-01	Solar	15.12	Res		0	0	DG
388	AEP-22387	I&M - In Service	1. In Service	49038	2022-07-14	Solar	13.92	Res		0	0	DG
389	AEP-29335	I&M - In Service	1. In Service	49120	2022-07-18	Solar	15.2	Res	Battery	3.4	9	DG
390	AEP-36443	I&M - In Service	1. In Service	49085	2022-07-19	Solar	5.32	Res		0	0	DG
391	AEP-38377	I&M - In Service	1. In Service	49097	2022-07-21	Solar	4.64	Res		0	0	DG
392	AEP-17384	I&M - In Service	1. In Service	49117	2022-07-27	Solar	12.6	Res	Battery	5	8.6	DG
393	AEP-37289	I&M - In Service	1. In Service	49085	2022-07-28	Solar	3.8	Res		0	0	DG
394	AEP-27789	I&M - In Service	1. In Service	49127	2022-07-28	Solar	8.41	Res		0	0	DG
395	AEP-38567	I&M - In Service	1. In Service	49065	2022-07-29	Solar	10.08	Res		0	0	DG
396	AEP-41939	I&M - In Service	1. In Service	49085	2022-07-29	Solar	3.48	Res		0	0	DG
397	AEP-34729	I&M - In Service	1. In Service	49103	2022-08-01	Solar	8.4624	Res		0	0	DG
398	AEP-40591	I&M - In Service	1. In Service	49101	2022-08-02	Solar	7.6	Res		0	0	DG
399	AEP-41146	I&M - In Service	1. In Service	49107	2022-08-02	Solar	5	Res	Battery	9.6	19.2	DG
400	AEP-27305	I&M - In Service	1. In Service	49112	2022-08-03	Solar	7.6	Res	Battery	3.4	8.6	DG
401	AEP-31554	I&M - In Service	1. In Service	49107	2022-08-11	Solar	7.6	Res	Battery	3.4	9	DG
402	AEP-33997	I&M - In Service	1. In Service	49127	2022-08-16	Solar	3.77	Res		0	0	DG
403	AEP-39718	I&M - In Service	1. In Service	49117	2022-08-16	Solar	6.84	Res		0	0	DG
404	AEP-35572	I&M - In Service	1. In Service	49127	2022-08-16	Solar	10	Res		0	0	DG
405	AEP-32186	I&M - In Service	1. In Service	49085	2022-08-17	Solar	6	Res		0	0	DG
406	AEP-42592	I&M - In Service	1. In Service	49098	2022-08-19	Solar	4.06	Res		0	0	DG
407	AEP-39537	I&M - In Service	1. In Service	49093	2022-08-19	Solar	5.22	Res		0	0	DG
408	AEP-44282	I&M - In Service	1. In Service	49107	2022-08-23	Solar	4.5	Res		0	0	DG
409	AEP-41934	I&M - In Service	1. In Service	49085	2022-08-25	Solar	9.28	Res		0	0	DG
410	AEP-28506	I&M - In Service	1. In Service	49022	2022-08-25	Solar	4.35	Res		0	0	DG
411	AEP-19005	I&M - In Service	1. In Service	49026	2022-08-26	Solar	10	Res	Battery	3.4	8.6	DG
412	AEP-42933	I&M - In Service	1. In Service	49055	2022-08-26	Solar	5.34	Res	Battery	19.68	19.68	DG
413	AEP-36837	I&M - In Service	1. In Service	49045	2022-08-29	Solar	11.168	Res	Battery	15.36	40.32	DG
414	AEP-37973	I&M - In Service	1. In Service	49112	2022-08-29	Solar	6	Res		0	0	DG
415	AEP-38186	I&M - In Service	1. In Service	49097	2022-08-31	Solar	7.6	Res	Battery	4.5	12	DG
416	AEP-40089	I&M - In Service	1. In Service	49064	2022-08-31	Solar	12.914	Res	Battery	3.84	10.5	DG
417	AEP-41688	I&M - In Service	1. In Service	49079	2022-08-31	Solar	6.48	Res		0	0	DG
418	AEP-40616	I&M - In Service	1. In Service	49097	2022-08-31	Solar	3.8	Res		0	0	DG
419	AEP-27443	I&M - In Service	1. In Service	49022	2022-09-01	Solar	11	Res	Battery	3.4	9	DG
420	AEP-44071	I&M - In Service	1. In Service	49093	2022-09-02	Solar	6.67	Res		0	0	DG
421	AEP-36696	I&M - In Service	1. In Service	49112	2022-09-08	Solar	7.6	Res	Battery	6.7	18	DG
422	AEP-41886	I&M - In Service	1. In Service	49079	2022-09-13	Solar	11.517	Res		0	0	DG
423	AEP-44817	I&M - In Service	1. In Service	49079	2022-09-13	Solar	7.92	Res		0	0	DG
424	AEP-32807	I&M - In Service	1. In Service	49120	2022-09-15	Solar	7.6	Res	Battery	4.5	9	DG
425	AEP-42184	I&M - In Service	1. In Service	49112	2022-09-16	Solar	9.57	Res		0	0	DG
426	AEP-41471	I&M - In Service	1. In Service	49013	2022-09-22	Solar	4.8	Res		0	0	DG
427	AEP-45577	I&M - In Service	1. In Service	49047	2022-09-29	Solar	6.67	Res		0	0	DG
428	AEP-40248	I&M - In Service	1. In Service	49031	2022-09-29	Solar	6.3	Res	Battery	3.84	10.08	DG
429	AEP-45891	I&M - In Service	1. In Service	49026	2022-09-30	Solar	13.92	Res		0	0	DG
430	AEP-45036	I&M - In Service	1. In Service	49038	2022-10-04	Solar	9.86	Res		0	0	DG

431	AEP-36645	I&M - In Service	1. In Service	49101	2022-10-06	Solar	20	Res		0	0	LNM
432	AEP-43005	I&M - In Service	1. In Service	49087	2022-10-07	Solar	5.51	Res		0	0	DG
433	AEP-35272	I&M - In Service	1. In Service	49103	2022-10-11	Solar	7.6	Res	Battery	3.4	9	DG
434	AEP-35435	I&M - In Service	1. In Service	49120	2022-10-20	Solar	7.25	Res		0	0	DG
435	AEP-45403	I&M - In Service	1. In Service	49120	2022-10-24	Solar	4.745	Res		0	0	DG
436	AEP-46108	I&M - In Service	1. In Service	49085	2022-10-27	Solar	9.92	Res		0	0	DG
437	AEP-34593	I&M - In Service	1. In Service	49107	2022-10-27	Solar	6	Res		0	0	DG
438	AEP-38639	I&M - In Service	1. In Service	49117	2022-10-28	Solar	4.32	Res		0	0	DG
439	AEP-34662	I&M - In Service	1. In Service	49127	2022-11-01	Solar	7.6	Res	Battery	3.4	9	DG
440	AEP-46578	I&M - In Service	1. In Service	49128	2022-11-04	Solar	7.65	Res		0	0	DG
441	AEP-36075	I&M - In Service	1. In Service	49111	2022-11-04	Solar	6.48	Res		0	0	DG
442	AEP-41858	I&M - In Service	1. In Service	49125	2022-11-08	Solar	9.074	Res		0	0	DG
443	AEP-44701	I&M - In Service	1. In Service	49038	2022-11-11	Solar	3.49	Res	Battery	5	13.2	DG
444	AEP-40045	I&M - In Service	1. In Service	49042	2022-11-15	Solar	7.6	Res	Battery	3.4	9	DG
445	AEP-44801	I&M - In Service	1. In Service	49055	2022-11-17	Solar	6.12	Res		0	0	DG
446	AEP-25264	I&M - In Service	1. In Service	49103	2022-11-17	Solar	11.72	Com	Battery	3.4	8.6	DG
447	AEP-39543	I&M - In Service	1. In Service	49107	2022-11-18	Solar	8.2	Res		0	0	DG
448	AEP-46540	I&M - In Service	1. In Service	49103	2022-11-22	Solar	7	Res		0	0	DG
449	AEP-46466	I&M - In Service	1. In Service	49057	2022-11-28	Solar	2.792	Res		0	0	DG
450	AEP-38252	I&M - In Service	1. In Service	49042	2022-12-02	Solar	7.83	Res		0	0	DG
451	AEP-42429	I&M - In Service	1. In Service	49045	2022-12-02	Solar	3.8	Res		0	0	DG
452	AEP-37843	I&M - In Service	1. In Service	49038	2022-12-08	Solar	11.6	Res		0	0	DG
453	AEP-34886	I&M - In Service	1. In Service	49099	2022-12-20	Solar	10	Res		0	0	DG
454	AEP-46073	I&M - In Service	1. In Service	49102	2022-12-28	Solar	11.4912	Res		0	0	DG
455	AEP-24937	I&M - In Service	1. In Service	49085	2022-12-29	Solar	3.8	Res		0	0	DG
456	AEP-46158	I&M - In Service	1. In Service	49098	2022-12-30	Solar	17.1	Res		0	0	DG
457	AEP-30809	I&M - In Service	1. In Service	49085	2023-01-06	Solar	10	Res		0	0	DG
458	AEP-46623	I&M - In Service	1. In Service	49064	2023-01-09	Solar	8.99	Res		0	0	DG
459	AEP-49193	I&M - In Service	1. In Service	49093	2023-01-09	Solar	9.57	Res		0	0	DG
460	AEP-44606	I&M - In Service	1. In Service	49120	2023-01-11	Solar	6.38	Res		0	0	DG
461	AEP-48054	I&M - In Service	1. In Service	49079	2023-01-11	Solar	8.7	Res		0	0	DG
462	AEP-42790	I&M - In Service	1. In Service	49038	2023-01-16	Solar	8.12	Res		0	0	DG
463	AEP-47608	I&M - In Service	1. In Service	49120	2023-02-07	Solar	6	Res		0	0	DG
464	AEP-46360	I&M - In Service	1. In Service		2023-02-08	Solar	11.868	Res	Battery	7.68	20.16	DG
465	AEP-42876	I&M - In Service	1. In Service	49013	2023-02-13	Solar	5	Res		0	0	DG
466	AEP-53036	I&M - In Service	1. In Service	49038	2023-02-15	Solar	8.7	Res		0	0	DG
467	AEP-52566	I&M - In Service	1. In Service	49022	2023-02-15	Solar	15.08	Res		0	0	DG
468	AEP-53046	I&M - In Service	1. In Service	49042	2023-02-15	Solar	2.03	Res		0	0	DG
469	AEP-53537	I&M - In Service	1. In Service	49065	2023-02-16	Solar	7.83	Res		0	0	DG
470	AEP-53397	I&M - In Service	1. In Service	49065	2023-02-16	Solar	7.83	Res		0	0	DG
471	AEP-50722	I&M - In Service	1. In Service	49079	2023-02-16	Solar	7.6	Res	Battery	4.5	9	DG
472	AEP-25239	I&M - In Service	1. In Service	49125	2023-02-20	Solar	7.6	Res	Battery	3.4	8.6	DG
473	AEP-38514	I&M - In Service	1. In Service	49093	2023-02-20	Solar	7.25	Res		0	0	DG
474	AEP-48525	I&M - In Service	1. In Service	49103	2023-02-21	Solar	7.6	Res		0	0	DG
475	AEP-35247	I&M - In Service	1. In Service	49103	2023-02-24	Solar	6.96	Res		0	0	DG
476	AEP-53648	I&M - In Service	1. In Service	49085	2023-03-03	Solar	4.64	Res		0	0	DG
477	AEP-31088	I&M - In Service	1. In Service	49079	2023-03-09	Solar	7.6	Res	Battery	3.4	9	DG
478	AEP-48507	I&M - In Service	1. In Service	49093	2023-03-09	Solar	5.51	Res		0	0	DG
479	AEP-52951	I&M - In Service	1. In Service	49085	2023-03-14	Solar	5.2	Res		0	0	DG
480	AEP-50858	I&M - In Service	1. In Service	49085	2023-03-20	Solar	6.96	Res		0	0	DG
481	AEP-38199	I&M - In Service	1. In Service	49093	2023-03-21	Solar	7.6	Res	Battery	3.4	9	DG
482	AEP-38412	I&M - In Service	1. In Service	49103	2023-03-21	Solar	7.6	Res	Battery	3.5	9	DG
483	AEP-52846	I&M - In Service	1. In Service	49087	2023-03-27	Solar	5.22	Res		0	0	DG
484	AEP-47482	I&M - In Service	1. In Service	49107	2023-03-27	Solar	15.2	Res		0	0	DG
485	AEP-47144	I&M - In Service	1. In Service	49127	2023-03-30	Solar	3.8	Res		0	0	DG
486	AEP-53711	I&M - In Service	1. In Service	49106	2023-04-03	Solar	10.725	Res	Battery	10	27	DG
487	AEP-51929	I&M - In Service	1. In Service	49026	2023-04-03	Solar	7.678	Res		0	0	DG
488	AEP-43405	I&M - In Service	1. In Service	49120	2023-04-03	Solar	6.09	Res		0	0	DG
489	AEP-54481	I&M - In Service	1. In Service	49128	2023-04-04	Solar	13.63	Res		0	0	DG
490	AEP-51512	I&M - In Service	1. In Service	49111	2023-04-11	Solar	7.83	Res		0	0	DG
491	AEP-52301	I&M - In Service	1. In Service	49102	2023-04-11	Solar	4.64	Res		0	0	DG
492	AEP-54505	I&M - In Service	1. In Service	49013	2023-04-12	Solar	13.63	Res		0	0	DG

493	AEP-49886	I&M - In Service	1. In Service	49120	2023-04-14	Solar	4.35	Res		0	0	DG
494	AEP-53054	I&M - In Service	1. In Service	49042	2023-04-17	Solar	2.32	Res		0	0	DG
495	AEP-54682	I&M - In Service	1. In Service	49097	2023-04-17	Solar	6.09	Res		0	0	DG
496	AEP-52862	I&M - In Service	1. In Service	49120	2023-04-18	Solar	9.1	Res		0	0	DG
497	AEP-52256	I&M - In Service	1. In Service	49120	2023-04-18	Solar	5.8	Res		0	0	DG
498	AEP-53038	I&M - In Service	1. In Service	49111	2023-04-19	Solar	6.98	Res		0	0	DG
499	AEP-53217	I&M - In Service	1. In Service	49117	2023-04-20	Solar	3.48	Res		0	0	DG
500	AEP-54989	I&M - In Service	1. In Service	49085	2023-04-20	Solar	4.35	Res		0	0	DG
501	AEP-43651	I&M - In Service	1. In Service	49127	2023-04-21	Solar	14.4	Res		0	0	DG
502	AEP-37275	I&M - In Service	1. In Service	49057	2023-04-26	Solar	7.6	Res	Battery	3.4	9	DG
503	AEP-32854	I&M - In Service	1. In Service	49128	2023-05-02	Solar	7.54	Res		0	0	DG
504	AEP-53967	I&M - In Service	1. In Service	49120	2023-05-02	Solar	6	Res		0	0	DG
505	AEP-54146	I&M - In Service	1. In Service	49107	2023-05-03	Solar	7.6	Res		0	0	DG
506	AEP-46741	I&M - In Service	1. In Service	49101	2023-05-04	Solar	20	Res		0	0	DG
507	AEP-55690	I&M - In Service	1. In Service	49106	2023-05-04	Solar	7.83	Res		0	0	DG
508	AEP-54538	I&M - In Service	1. In Service	49106	2023-05-04	Solar	6.67	Res		0	0	DG
509	AEP-56627	I&M - In Service	1. In Service	49120	2023-05-12	Solar	4.06	Res		0	0	DG
510	AEP-52884	I&M - In Service	1. In Service	49097	2023-05-17	Solar	2.9	Res		0	0	DG
511	AEP-56807	I&M - In Service	1. In Service	49128	2023-05-24	Solar	7.25	Res		0	0	DG
512	AEP-52709	I&M - In Service	1. In Service	49099	2023-05-24	Solar	4.06	Res		0	0	DG
513	AEP-55867	I&M - In Service	1. In Service	49127	2023-05-25	Solar	10.47	Res		0	0	DG
514	AEP-51036	I&M - In Service	1. In Service	49085	2023-05-25	Solar	9.28	Res		0	0	DG
515	AEP-53918	I&M - In Service	1. In Service	49120	2023-05-25	Solar	6.175	Res		0	0	DG
516	AEP-55839	I&M - In Service	1. In Service	49047	2023-05-26	Solar	4.35	Res		0	0	DG
517	AEP-55061	I&M - In Service	1. In Service	49038	2023-05-31	Solar	3.48	Res		0	0	DG
518	AEP-55237	I&M - In Service	1. In Service	49057	2023-06-05	Solar	7.25	Res		0	0	DG
519	AEP-56016	I&M - In Service	1. In Service	49057	2023-06-05	Solar	3.77	Res		0	0	DG
520	AEP-30879	I&M - In Service	1. In Service	49042	2023-06-08	Solar	7.6	Res	Battery	4.5	9	DG
521	AEP-56732	I&M - In Service	1. In Service	49079	2023-06-08	Solar	3.48	Res		0	0	DG
522	AEP-23577	I&M - In Service	1. In Service	49112	2023-06-09	Solar	7.83	Res	Battery	3.84	10.5	DG
523	AEP-55392	I&M - In Service	1. In Service	49120	2023-06-12	Solar	5.85	Res		0	0	DG
524	AEP-57465	I&M - In Service	1. In Service	49120	2023-06-12	Solar	5.8	Res		0	0	DG
525	AEP-29970	I&M - In Service	1. In Service	49057	2023-06-19	Solar	7.6	Res	Battery	3.4	9	DG
526	AEP-43475	I&M - In Service	1. In Service	49055	2023-06-20	Solar	11	Res	Battery	3.4	9	DG
527	AEP-54905	I&M - In Service	1. In Service	49106	2023-06-22	Solar	10.44	Res		0	0	DG
528	AEP-54513	I&M - In Service	1. In Service	49101	2023-06-22	Solar	6.96	Res		0	0	DG
529	AEP-55066	I&M - In Service	1. In Service	49103	2023-07-25	Solar	20	Res		0	0	DG

Number of Customers	Project Number	Current Status	Status_Group	Zip Code of Distributed Generation Customer	Distributed Generation Start Month/Year	Distributed Generation End Month/Year	Generator Technology Type	Generator Size (kWac)	Customer Type (Residential Commercial, Industrial)	Storage Technology	Storage Capacity (kW)	Storage Duration (kWh)	Program (DG, LNM)
1	AEP-02713	I&M - In Service	1. In Service	49085	2014-09-24		Solar	48	Com		0	0	LNM
2	AEP-02833	I&M - In Service	1. In Service	49022	2017-07-06		Solar	20.8	Res		0	0	LNM
3	AEP-02984	I&M - In Service	1. In Service	49091	2018-06-21		Solar	22.8	Com		0	0	LNM
4	AEP-03047	I&M - In Service	1. In Service	49126	2018-08-30		Solar	74	Com		0	0	LNM
5	AEP-03121	I&M - In Service	1. In Service	49107	2019-06-03		Solar	40	Com		0	0	LNM
6	AEP-03218	I&M - In Service	1. In Service	49085	2019-10-29		Solar	32.9	Com		0	0	LNM
7	AEP-03428	I&M - In Service	1. In Service	49107	2020-02-05		Solar	21	Com		0	0	LNM
8	AEP-03557	I&M - In Service	1. In Service	49101	2020-09-29		Solar	150	Ind		0	0	DG
9	AEP-19837	I&M - In Service	1. In Service	49105	2021-04-22		Solar	36	Com		0	0	DG
10	AEP-15140	I&M - In Service	1. In Service	49022	2021-06-15		Solar	20.36	Res	Battery	5	8.6	DG
11	AEP-19852	I&M - In Service	1. In Service	49097	2021-08-30		Solar	75	Com		0	0	DG
12	AEP-20925	I&M - In Service	1. In Service	49093	2021-09-06		Solar	60	Com		0	0	DG
13	AEP-20910	I&M - In Service	1. In Service	49113	2021-09-20		Solar	132.6	Com		0	0	DG
14	AEP-25396	I&M - In Service	1. In Service	49113	2021-12-02		Solar	27.222	Res		0	0	DG
15	AEP-19853	I&M - In Service	1. In Service	49087	2022-03-29		Solar	38	Com		0	0	DG
16	AEP-31276	I&M - In Service	1. In Service	49038	2022-07-06		Solar	31.4	Res		0	0	DG
17	AEP-19262	I&M - In Service	1. In Service	49127	2022-08-26		Solar	75	Com		0	0	DG
18	AEP-42451	I&M - In Service	1. In Service	49097	2023-06-14		Solar	24	Res	Battery	61.44	61.44	DG
19	AEP-55441	I&M - In Service	1. In Service	49111	2023-06-16		Solar	25.2	Res		0	0	DG

datetime_beginning_utc	datetime_beginning_ept	pnode_id	pnode_name	type	system_energy_price_rt	total_lmp_rt	congestion_price_rt	marginal_loss_price_rt
1/1/2022 5:00	1/1/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	18.91	19.056836	0.032451	0.116051
1/1/2022 6:00	1/1/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	18.16	18.376828	0	0.218494
1/1/2022 7:00	1/1/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	18.5	18.754956	0.010743	0.24088
1/1/2022 8:00	1/1/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	18.38	18.661473	0.052989	0.227651
1/1/2022 9:00	1/1/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	18.11	18.283198	0.001029	0.168837
1/1/2022 10:00	1/1/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	17.29	17.382672	0	0.096839
1/1/2022 11:00	1/1/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	17.21	17.271127	0	0.058627
1/1/2022 12:00	1/1/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	16.43	16.463157	0	0.032323
1/1/2022 13:00	1/1/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	17.31	17.376515	0.001469	0.062546
1/1/2022 14:00	1/1/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	17.45	17.4054	0.005755	-0.049521
1/1/2022 15:00	1/1/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23.2	23.348525	0.06901	0.081182
1/1/2022 16:00	1/1/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.78	24.923883	0.053688	0.090195
1/1/2022 17:00	1/1/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.64	24.892995	0.15454	0.097622
1/1/2022 18:00	1/1/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23.88	24.04473	0.122427	0.044802
1/1/2022 19:00	1/1/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23.52	23.616423	0.124214	-0.023625
1/1/2022 20:00	1/1/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23	23.098088	0.123064	-0.029143
1/1/2022 21:00	1/1/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.94	25.262906	0.338835	-0.011762
1/1/2022 22:00	1/1/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.8	25.90738	0.18963	-0.083083
1/1/2022 23:00	1/1/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.04	25.460608	0.434845	-0.010904
1/2/2022 0:00	1/1/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.96	23.615812	0.622663	0.03565
1/2/2022 1:00	1/1/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23.2	23.871121	0.553995	0.122125
1/2/2022 2:00	1/1/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24	24.522545	0.342221	0.177824
1/2/2022 3:00	1/1/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	21.99	22.276972	0.139114	0.143692
1/2/2022 4:00	1/1/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	19.69	20.746993	0.952625	0.109368
1/2/2022 5:00	1/2/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	19.39	20.438594	0.975185	0.078409
1/2/2022 6:00	1/2/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	20.02	20.721583	0.469024	0.231725
1/2/2022 7:00	1/2/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	20.16	20.869481	0.352783	0.355865
1/2/2022 8:00	1/2/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	19.81	20.382047	0.197384	0.377997
1/2/2022 9:00	1/2/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	21.98	22.861408	0.293437	0.589638
1/2/2022 10:00	1/2/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	18.87	19.374311	0.006169	0.497309
1/2/2022 11:00	1/2/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	20.45	21.072218	0.038827	0.587558
1/2/2022 12:00	1/2/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	20.7	21.31072	0.045106	0.566447
1/2/2022 13:00	1/2/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23.46	24.255145	0.127138	0.665507
1/2/2022 14:00	1/2/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23.09	24.03089	0.44506	0.492496
1/2/2022 15:00	1/2/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.8	26.460751	0.222829	0.437089
1/2/2022 16:00	1/2/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.86	33.887092	0.445853	0.586239
1/2/2022 17:00	1/2/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.59	35.645549	1.576874	0.482842
1/2/2022 18:00	1/2/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.84	33.917397	1.593571	0.486326
1/2/2022 19:00	1/2/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.86	29.213677	0.735713	0.61963
1/2/2022 20:00	1/2/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.46	30.635372	1.55812	0.620585
1/2/2022 21:00	1/2/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.8	34.429136	2.087134	0.541169
1/2/2022 22:00	1/2/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.48	51.264728	2.05917	0.723058
1/2/2022 23:00	1/2/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.5	34.576965	0.443189	0.637108
1/3/2022 0:00	1/2/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.94	37.179275	0.529149	0.71096
1/3/2022 1:00	1/2/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.69	32.732619	0.372792	0.66566
1/3/2022 2:00	1/2/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.66	30.673259	0.329409	0.687183
1/3/2022 3:00	1/2/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.47	30.473958	0.275221	0.73207
1/3/2022 4:00	1/2/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.23	28.399838	0.556164	0.610341
1/3/2022 5:00	1/3/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.24	25.958295	0.249304	0.467324
1/3/2022 6:00	1/3/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.89	25.4665	0.172949	0.404385
1/3/2022 7:00	1/3/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23.88	24.368325	0.13909	0.354235
1/3/2022 8:00	1/3/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24	24.549626	0.144716	0.40241
1/3/2022 9:00	1/3/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.34	26.01158	0.189863	0.48255
1/3/2022 10:00	1/3/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.45	29.630823	0.573408	0.608249
1/3/2022 11:00	1/3/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.73	36.937113	1.588758	0.619188
1/3/2022 12:00	1/3/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.64	43.380387	1.967994	0.775727
1/3/2022 13:00	1/3/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.95	43.464041	0.979924	0.534951
1/3/2022 14:00	1/3/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.86	46.12175	0.273224	-0.013975
1/3/2022 15:00	1/3/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.42	47.083531	0.158277	-0.489746
1/3/2022 16:00	1/3/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.97	56.905598	0	-1.067735
1/3/2022 17:00	1/3/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.74	62.964091	0	-1.773409
1/3/2022 18:00	1/3/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.39	39.083582	0	-1.303918
1/3/2022 19:00	1/3/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.82	36.440957	0	-1.379876
1/3/2022 20:00	1/3/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.6	35.808296	-2.034097	-1.758441
1/3/2022 21:00	1/3/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.16	35.527416	-2.671469	-1.964448
1/3/2022 22:00	1/3/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.74	57.240103	-9.405588	-4.090143
1/3/2022 23:00	1/3/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.39	41.432099	-9.049667	-2.9049
1/4/2022 0:00	1/3/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.59	40.003747	-7.682303	-2.89895
1/4/2022 1:00	1/3/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.31	41.763077	-11.485796	-3.056128
1/4/2022 2:00	1/3/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.45	43.619895	-9.885677	-2.942762
1/4/2022 3:00	1/3/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.6	33.516959	-6.04162	-2.036422
1/4/2022 4:00	1/3/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.03	30.662022	-4.788442	-1.576203
1/4/2022 5:00	1/4/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.74	43.1321	-0.639787	-1.968946
1/4/2022 6:00	1/4/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.93	52.217128	-2.977269	-2.732269
1/4/2022 7:00	1/4/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.65	40.623457	-6.671951	-2.357926
1/4/2022 8:00	1/4/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.81	41.482525	-6.888715	-2.43626
1/4/2022 9:00	1/4/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.25	52.536809	-3.560739	-3.148285
1/4/2022 10:00	1/4/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.43	39.658059	-6.873747	-2.895695
1/4/2022 11:00	1/4/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.12	40.344747	-6.581456	-3.197964
1/4/2022 12:00	1/4/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.89	50.084423	-3.051499	-3.752411
1/4/2022 13:00	1/4/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.42	50.464545	-9.690583	-4.261539
1/4/2022 14:00	1/4/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.15	32.585561	-4.215539	-2.349734
1/4/2022 15:00	1/4/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.42	36.65523	-9.976506	-2.785764
1/4/2022 16:00	1/4/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.05	32.908801	-9.57096	-2.571906
1/4/2022 17:00	1/4/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.79	32.435668	-10.062937	-2.294729
1/4/2022 18:00	1/4/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.24	31.787708	-8.417448	-2.031512
1/4/2022 19:00	1/4/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.35	27.942111	-8.468522	-1.940201
1/4/2022 20:00	1/4/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.74	32.798342	-1.928321	-2.015837
1/4/2022 21:00	1/4/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.59	43.853171	6.836213	-2.570541
1/4/2022 22:00	1/4/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.39	47.038229	-0.724894	-3.623544
1/4/2022 23:00	1/4/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.74	42.075006	-3.336371	-3.332789
1/5/2022 0:00	1/4/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.71	41.465462	-2.807639	-3.436066
1/5/2022 1:00	1/4/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.25	30.818978	-7.50393	-2.925426
1/5/2022 2:00	1/4/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.34	31.024696	-7.536548	-2.780424
1/5/2022 3:00	1/4/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.32	30.197617	-7.369508	-2.750376
1/5/2022 4:00	1/4/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.31	30.110594	-6.415578	-2.781329
1/5/2022 5:00	1/5/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.24	41.046095	-8.338051	-3.859187
1/5/2022 6:00	1/5/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.23	34.869013	-1.329847	-3.027807
1/5/2022 7:00	1/5/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.21	33.531675	-10.947571	-3.729088
1/5/2022 8:00	1/5/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.32	47.817538	2.37888	-3.877176
1/5/2022 9:00	1/5/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.87	40.217137	-0.025038	-3.626158
1/5/2022 10:00	1/5/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.42	38.826548	-4.794054	-3.800232
1/5/2022 11:00	1/5/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.78	38.772884	-9.741909	-4.268541
1/5/2022 12:00	1/5/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.79	51.334883	-7.394372	-5.062412
1/5/2022 13:00	1/5/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.36	49.515593	-7.982522	-4.862718
1/5/2022 14:00	1/5/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.45	53.426051	-1.741316	-4.2843

1/5/2022 15:00	1/5/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.74	38.46128	-2.322983	-2.952404
1/5/2022 16:00	1/5/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.93	33.257664	-2.2103	-2.464536
1/5/2022 17:00	1/5/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.03	41.526278	-2.335185	-3.17187
1/5/2022 18:00	1/5/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.94	34.824238	-7.983909	-3.130186
1/5/2022 19:00	1/5/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.46	33.190944	-2.821329	-2.44606
1/5/2022 20:00	1/5/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.58	34.29296	-3.689358	-2.592682
1/5/2022 21:00	1/5/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.95	33.072644	-5.343291	-2.529899
1/5/2022 22:00	1/5/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.67	85.782137	-6.770399	-6.119964
1/5/2022 23:00	1/5/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.58	54.003672	-7.415195	-3.161967
1/6/2022 0:00	1/5/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.9	44.136127	-5.285074	-2.475466
1/6/2022 1:00	1/5/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.38	34.72367	-2.892449	-1.758881
1/6/2022 2:00	1/5/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.62	30.831868	-4.163044	-1.620922
1/6/2022 3:00	1/5/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.09	30.281752	-3.395884	-1.416532
1/6/2022 4:00	1/5/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.79	28.460532	-3.004601	-1.324867
1/6/2022 5:00	1/6/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.42	28.170049	-3.140286	-1.112165
1/6/2022 6:00	1/6/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.81	29.381023	-2.54024	-0.890404
1/6/2022 7:00	1/6/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.09	28.867807	-2.413192	-0.811501
1/6/2022 8:00	1/6/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.19	30.092462	-1.481478	-0.616893
1/6/2022 9:00	1/6/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.13	32.945513	-0.581474	-0.603846
1/6/2022 10:00	1/6/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.33	37.137845	-1.685788	-0.5072
1/6/2022 11:00	1/6/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.95	45.720664	-0.556329	-0.674673
1/6/2022 12:00	1/6/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.23	61.036334	-1.439058	-0.750441
1/6/2022 13:00	1/6/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.31	50.289922	-1.552806	-0.463105
1/6/2022 14:00	1/6/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.65	42.573393	-0.793897	-0.283544
1/6/2022 15:00	1/6/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.05	47.465736	0.055732	-0.637497
1/6/2022 16:00	1/6/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.61	44.141376	0.252337	-0.72346
1/6/2022 17:00	1/6/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.64	42.472803	0.478349	-0.643045
1/6/2022 18:00	1/6/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.07	43.272759	0.710263	-0.50917
1/6/2022 19:00	1/6/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.66	43.32933	0.151934	-0.486771
1/6/2022 20:00	1/6/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.53	45.04123	0.327282	-0.811886
1/6/2022 21:00	1/6/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.92	41.498606	-0.187257	-1.233303
1/6/2022 22:00	1/6/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.79	40.009791	-2.957233	-1.818809
1/6/2022 23:00	1/6/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.21	57.550268	2.268446	-1.932345
1/7/2022 0:00	1/6/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.17	46.492877	-2.393538	-1.283585
1/7/2022 1:00	1/6/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.13	41.39854	-1.874562	-0.853564
1/7/2022 2:00	1/6/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.36	38.416192	-2.179499	-0.764309
1/7/2022 3:00	1/6/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.1	39.883065	-1.560028	-0.659407
1/7/2022 4:00	1/6/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.62	38.692095	0.764385	-0.69229
1/7/2022 5:00	1/7/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.01	48.008094	1.881031	-0.884604
1/7/2022 6:00	1/7/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.35	44.79459	0	-0.554576
1/7/2022 7:00	1/7/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.39	43.861121	-3.129422	-0.394457
1/7/2022 8:00	1/7/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.63	47.581978	-0.695835	-0.355521
1/7/2022 9:00	1/7/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.16	44.159868	-3.695411	-0.308054
1/7/2022 10:00	1/7/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.36	44.779633	-7.305595	-0.27644
1/7/2022 11:00	1/7/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.1	51.714357	-3.844501	-0.538643
1/7/2022 12:00	1/7/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.27	68.030798	-1.877178	-0.36619
1/7/2022 13:00	1/7/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.69	73.686332	11.020837	-0.028672
1/7/2022 14:00	1/7/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.5	54.634374	2.406956	-0.269249
1/7/2022 15:00	1/7/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.25	87.052551	-1.09809	-2.097693
1/7/2022 16:00	1/7/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.78	67.520141	-3.240176	-3.01635
1/7/2022 17:00	1/7/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.79	69.863042	-5.010385	-3.919073
1/7/2022 18:00	1/7/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.18	48.320338	-5.832425	-3.025571
1/7/2022 19:00	1/7/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.72	46.453328	-0.454357	-2.814815
1/7/2022 20:00	1/7/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.46	64.69998	-4.601018	-4.160668
1/7/2022 21:00	1/7/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.6	82.736568	-12.641526	-6.224407
1/7/2022 22:00	1/7/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.38	82.734831	-41.688516	-7.957487
1/7/2022 23:00	1/7/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.21	80.103275	-29.320831	-5.785061
1/8/2022 0:00	1/7/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.46	75.742472	-11.715286	-4.004742
1/8/2022 1:00	1/7/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.18	56.482779	-9.331937	-3.364452
1/8/2022 2:00	1/7/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.42	52.443772	-6.594055	-3.381339
1/8/2022 3:00	1/7/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.33	51.276065	-5.723059	-3.325875
1/8/2022 4:00	1/7/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.17	49.336946	-7.300848	-3.536373
1/8/2022 5:00	1/8/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.4	56.202078	-6.716978	-3.475945
1/8/2022 6:00	1/8/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.38	61.127823	-5.712488	-3.537189
1/8/2022 7:00	1/8/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.8	60.050345	-4.946273	-3.806715
1/8/2022 8:00	1/8/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.57	53.658092	-6.955714	-3.957861
1/8/2022 9:00	1/8/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.78	42.195341	-8.047042	-3.535118
1/8/2022 10:00	1/8/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.24	45.725597	-21.48169	-5.036046
1/8/2022 11:00	1/8/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.09	60.94691	-29.098334	-7.041423
1/8/2022 12:00	1/8/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.78	45.373313	-13.563329	-4.840858
1/8/2022 13:00	1/8/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.6	52.233949	-32.561987	-6.799063
1/8/2022 14:00	1/8/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.19	35.569007	-12.635651	-3.98451
1/8/2022 15:00	1/8/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.91	36.529219	-12.583515	-3.794766
1/8/2022 16:00	1/8/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.8	41.677306	-10.086805	-4.033389
1/8/2022 17:00	1/8/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.82	32.717366	-4.343869	-2.755432
1/8/2022 18:00	1/8/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.05	34.201945	-3.17281	-2.675244
1/8/2022 19:00	1/8/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.06	33.746515	-2.705447	-2.604704
1/8/2022 20:00	1/8/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.77	34.490048	-3.560451	-2.7195
1/8/2022 21:00	1/8/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.7	38.854085	-4.880627	-2.969455
1/8/2022 22:00	1/8/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.39	67.087877	-14.400808	-5.900481
1/8/2022 23:00	1/8/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.56	39.193847	-5.736311	-3.629842
1/9/2022 0:00	1/8/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.71	41.958486	-5.000203	-3.752977
1/9/2022 1:00	1/8/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.71	40.912323	-2.303639	-3.491538
1/9/2022 2:00	1/8/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.06	37.795623	-2.727688	-3.538356
1/9/2022 3:00	1/8/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.15	35.796941	-2.814612	-3.533446
1/9/2022 4:00	1/8/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.98	30.897066	-2.904609	-3.174158
1/9/2022 5:00	1/9/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.55	38.31295	-3.544735	-3.688982
1/9/2022 6:00	1/9/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.9	39.915663	-3.492397	-3.491107
1/9/2022 7:00	1/9/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.69	35.824434	-4.596954	-3.266945
1/9/2022 8:00	1/9/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.08	31.027616	-3.11328	-2.936605
1/9/2022 9:00	1/9/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.72	31.445422	-1.452353	-2.824725
1/9/2022 10:00	1/9/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.62	26.971622	-2.094304	-2.558241
1/9/2022 11:00	1/9/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.01	26.241001	-3.286367	-2.486798
1/9/2022 12:00	1/9/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.2	25.9005	-3.056593	-2.245408
1/9/2022 13:00	1/9/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.53	24.567906	-2.991888	-1.974373
1/9/2022 14:00	1/9/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.99	27.222229	-3.51	-2.256937
1/9/2022 15:00	1/9/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.16	31.46864	-2.89181	-2.796217
1/9/2022 16:00	1/9/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.06	35.279445	-3.318058	-3.46333
1/9/2022 17:00	1/9/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.18	33.543794	-3.314863	-3.319677
1/9/2022 18:00	1/9/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.95	34.031804	-2.75454	-3.162823
1/9/2022 19:00	1/9/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.57	32.889531	-2.693122	-2.989014
1/9/2022 20:00	1/9/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.42	32.871063	-2.619491	-2.933613
1/9/2022 21:00	1/9/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.4	36.376736	-3.122428	-2.90167
1/9/2022 22:00	1/9/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.01	52.233347	-4.129124	-3.647529
1/9/2022 23:00	1/9/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.46	43.78642	-2.442137	-2.231444
1/10/2022 0:00	1/9/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.87	40.997787	-2.164791	-1.706589
1/10/2022 1:00	1/9/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.74	34.895679	-2.447371	-1.396117

1/10/2022 2:00	1/9/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.48	35.855591	-2.38217	-1.237239
1/10/2022 3:00	1/9/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.94	31.066593	-2.860685	-1.011888
1/10/2022 4:00	1/9/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.76	27.310847	-1.572946	-0.87704
1/10/2022 5:00	1/10/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.53	28.270913	-1.440489	-0.815265
1/10/2022 6:00	1/10/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.05	29.039477	-1.241244	-0.767613
1/10/2022 7:00	1/10/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.88	31.124983	0	-0.752517
1/10/2022 8:00	1/10/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.3	31.536547	0	-0.760953
1/10/2022 9:00	1/10/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.57	35.640605	-0.149167	-0.781895
1/10/2022 10:00	1/10/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.28	45.539501	-0.78032	-0.961846
1/10/2022 11:00	1/10/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.1	58.762645	-0.797304	-1.541718
1/10/2022 12:00	1/10/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.08	46.48168	-1.050504	-1.545317
1/10/2022 13:00	1/10/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.16	46.037243	-0.800433	-1.324825
1/10/2022 14:00	1/10/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.33	46.196238	-0.059111	-1.073818
1/10/2022 15:00	1/10/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.03	47.306808	-0.333982	-1.387544
1/10/2022 16:00	1/10/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.39	46.768484	-3.69881	-1.926039
1/10/2022 17:00	1/10/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.04	43.762221	-10.64136	-2.640586
1/10/2022 18:00	1/10/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.33	35.055739	-0.21435	-2.057411
1/10/2022 19:00	1/10/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.22	33.686243	-8.860124	-2.674466
1/10/2022 20:00	1/10/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.98	36.685239	-20.443443	-3.849651
1/10/2022 21:00	1/10/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.51	40.857586	-44.106599	-6.547482
1/10/2022 22:00	1/10/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.96	51.375404	-32.133423	-6.447007
1/10/2022 23:00	1/10/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.28	44.691454	-6.267441	-3.317773
1/11/2022 0:00	1/10/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.12	40.667724	-6.334059	-3.122384
1/11/2022 1:00	1/10/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.63	38.967959	-6.646416	-3.018125
1/11/2022 2:00	1/10/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.38	45.932878	-1.428886	-3.013236
1/11/2022 3:00	1/10/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.32	47.621602	0.342	-3.039565
1/11/2022 4:00	1/10/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.12	40.816331	-0.764774	-2.534729
1/11/2022 5:00	1/11/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.99	40.094298	-2.389733	-2.502636
1/11/2022 6:00	1/11/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.96	56.842405	-0.660074	-3.459188
1/11/2022 7:00	1/11/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.86	52.909884	-0.635162	-3.316621
1/11/2022 8:00	1/11/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.8	53.578337	-1.845255	-3.378075
1/11/2022 9:00	1/11/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.99	47.618866	-2.154918	-3.220383
1/11/2022 10:00	1/11/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.82	44.093571	-8.717516	-4.011413
1/11/2022 11:00	1/11/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.71	49.762004	-6.579205	-4.365458
1/11/2022 12:00	1/11/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.13	56.152741	-7.744854	-5.229905
1/11/2022 13:00	1/11/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.63	46.117966	-7.040222	-4.470145
1/11/2022 14:00	1/11/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.25	40.215863	-6.203418	-3.826552
1/11/2022 15:00	1/11/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75	44.60544	-24.396479	-5.993914
1/11/2022 16:00	1/11/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.04	37.521643	-8.443808	-4.076217
1/11/2022 17:00	1/11/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.25	37.349998	-10.472392	-4.430944
1/11/2022 18:00	1/11/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.66	31.127239	-16.120372	-4.407389
1/11/2022 19:00	1/11/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.95	28.439959	-2.664543	-2.848831
1/11/2022 20:00	1/11/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.22	30.933958	-41.829407	-7.457469
1/11/2022 21:00	1/11/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	251.74	45.263185	-180.256773	-26.223375
1/11/2022 22:00	1/11/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	371.76	54.241298	-276.916159	-40.602544
1/11/2022 23:00	1/11/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.28	31.599204	-40.489085	-7.191712
1/12/2022 0:00	1/11/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.99	26.902698	-43.89809	-7.190045
1/12/2022 1:00	1/11/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.76	30.806676	-54.291788	-8.658203
1/12/2022 2:00	1/11/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.2	29.886279	-50.981542	-8.328012
1/12/2022 3:00	1/11/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	221.85	71.555719	-128.927581	-21.367533
1/12/2022 4:00	1/11/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.38	38.029145	-60.452964	-10.896224
1/12/2022 5:00	1/12/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.93	37.328467	-28.265644	-7.338389
1/12/2022 6:00	1/12/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.4	32.063826	-28.862433	-6.468741
1/12/2022 7:00	1/12/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.7	33.7575	-24.981827	-5.95984
1/12/2022 8:00	1/12/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.89	32.700019	-32.454064	-6.73425
1/12/2022 9:00	1/12/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.82	33.994974	-20.976575	-5.851785
1/12/2022 10:00	1/12/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.94	31.690793	-15.4689	-4.781974
1/12/2022 11:00	1/12/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.34	43.590258	-38.301825	-7.443751
1/12/2022 12:00	1/12/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.62	44.359651	-24.093816	-6.164033
1/12/2022 13:00	1/12/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.92	53.059846	-4.302961	-4.554693
1/12/2022 14:00	1/12/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.05	45.795312	0.824806	-3.076993
1/12/2022 15:00	1/12/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.61	43.442515	2.872756	-2.041907
1/12/2022 16:00	1/12/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.68	39.40386	1.214476	-1.486449
1/12/2022 17:00	1/12/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.7	45.4803	1.200592	-1.418626
1/12/2022 18:00	1/12/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.97	43.067931	1.382223	-1.279292
1/12/2022 19:00	1/12/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.58	50.098267	4.033812	-1.513045
1/12/2022 20:00	1/12/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.41	47.32837	5.770265	-1.852729
1/12/2022 21:00	1/12/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.44	47.380939	-0.147198	-1.91353
1/12/2022 22:00	1/12/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.19	55.300175	-5.246933	-2.640392
1/12/2022 23:00	1/12/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.47	45.784811	-0.819305	-1.866717
1/13/2022 0:00	1/12/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.35	38.283679	-0.499019	-1.565636
1/13/2022 1:00	1/12/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.39	40.323663	0.383539	-1.454043
1/13/2022 2:00	1/12/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.24	35.007967	0.129589	-1.363289
1/13/2022 3:00	1/12/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.29	34.032916	-0.119965	-1.140452
1/13/2022 4:00	1/12/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.03	32.22372	0.329307	-1.138087
1/13/2022 5:00	1/13/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.75	48.407425	3.185104	-1.526013
1/13/2022 6:00	1/13/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.01	46.890842	0.229704	-1.345529
1/13/2022 7:00	1/13/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.29	47.421044	-2.421278	-1.450178
1/13/2022 8:00	1/13/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.85	41.569393	-2.894934	-1.385673
1/13/2022 9:00	1/13/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.92	42.91025	-1.343532	-1.669551
1/13/2022 10:00	1/13/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.78	43.69607	-1.341973	-1.744457
1/13/2022 11:00	1/13/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	629.99	605.105544	-1.467743	-23.41338
1/13/2022 12:00	1/13/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.43	84.355662	-2.523273	-3.547732
1/13/2022 13:00	1/13/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.27	49.262895	-3.084158	-1.927114
1/13/2022 14:00	1/13/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.16	44.434891	-0.351449	-1.371159
1/13/2022 15:00	1/13/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.3	44.87513	1.669771	-1.092141
1/13/2022 16:00	1/13/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.25	45.626851	3.299329	-0.919978
1/13/2022 17:00	1/13/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.94	51.359375	5.360994	-0.941619
1/13/2022 18:00	1/13/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.74	47.75214	4.032636	-1.017997
1/13/2022 19:00	1/13/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.09	42.277291	1.179667	-0.989043
1/13/2022 20:00	1/13/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.99	40.925853	1.121319	-1.1888
1/13/2022 21:00	1/13/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.25	43.938823	0.013904	-1.326748
1/13/2022 22:00	1/13/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.58	56.981372	0.256923	-1.858884
1/13/2022 23:00	1/13/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.28	43.832019	-1.38195	-1.068531
1/14/2022 0:00	1/13/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.41	44.38669	-2.127217	-0.896093
1/14/2022 1:00	1/13/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.72	41.703159	-0.211724	-0.80095
1/14/2022 2:00	1/13/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.19	40.345354	-0.163135	-0.681511
1/14/2022 3:00	1/13/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.1	40.563492	0.184668	-0.716176
1/14/2022 4:00	1/13/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.91	38.037667	-1.062068	-0.808598
1/14/2022 5:00	1/14/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.42	36.809971	-3.616454	-0.995242
1/14/2022 6:00	1/14/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.13	35.603093	-0.649167	-0.879408
1/14/2022 7:00	1/14/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.44	33.461535	-3.054395	-0.920737
1/14/2022 8:00	1/14/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.97	34.711215	-4.190946	-1.067006
1/14/2022 9:00	1/14/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.48	36.557538	-2.728574	-1.198055
1/14/2022 10:00	1/14/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.78	36.843403	-0.610234	-1.325529
1/14/2022 11:00	1/14/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.57	48.577156	-1.225836	-1.764508
1/14/2022 12:00	1/14/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.22	45.662836	-3.613264	-1.939733

1/14/2022 13:00	1/14/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.87	43.865158	0.463739	-1.472747
1/14/2022 14:00	1/14/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.59	43.40691	1.033194	-1.217951
1/14/2022 15:00	1/14/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.69	75.549636	1.317181	-2.461711
1/14/2022 16:00	1/14/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.81	47.624069	0.64067	-1.830767
1/14/2022 17:00	1/14/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.49	43.531419	0.666797	-1.623711
1/14/2022 18:00	1/14/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.45	43.114325	0.274221	-1.613229
1/14/2022 19:00	1/14/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.53	42.08884	0.388347	-1.824506
1/14/2022 20:00	1/14/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.79	38.337917	0.363801	-1.816717
1/14/2022 21:00	1/14/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.66	41.609114	0.270813	-2.317532
1/14/2022 22:00	1/14/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.94	46.191853	-7.330611	-3.41587
1/14/2022 23:00	1/14/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.36	43.685112	-0.650281	-3.024607
1/15/2022 0:00	1/14/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.86	42.262918	-1.264143	-3.332106
1/15/2022 1:00	1/14/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.2	37.326535	-2.662028	-3.208104
1/15/2022 2:00	1/14/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.72	42.018943	-3.105927	-3.592631
1/15/2022 3:00	1/14/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.55	35.962197	-1.576484	-3.014652
1/15/2022 4:00	1/14/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.88	31.129752	-2.066923	-2.681659
1/15/2022 5:00	1/15/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.51	34.825902	-4.709096	-2.977502
1/15/2022 6:00	1/15/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.33	30.910701	-7.543651	-2.870648
1/15/2022 7:00	1/15/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.09	27.732572	-10.398012	-2.954416
1/15/2022 8:00	1/15/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.49	23.390739	-15.944213	-3.155881
1/15/2022 9:00	1/15/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.79	31.25933	-8.158894	-3.369276
1/15/2022 10:00	1/15/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.21	33.202547	-10.426463	-3.583491
1/15/2022 11:00	1/15/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.26	31.754122	-16.591405	-3.91614
1/15/2022 12:00	1/15/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.27	35.142934	-26.83312	-5.289779
1/15/2022 13:00	1/15/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.79	36.935457	-17.42848	-4.421896
1/15/2022 14:00	1/15/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.14	37.176043	-11.111405	-3.851719
1/15/2022 15:00	1/15/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.87	47.946185	-36.121883	-7.801099
1/15/2022 16:00	1/15/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.8	46.82876	-12.061535	-5.912205
1/15/2022 17:00	1/15/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.71	54.940463	-28.55253	-8.213674
1/15/2022 18:00	1/15/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	141.21	60.288151	-68.667087	-12.253928
1/15/2022 19:00	1/15/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.71	42.272342	-9.44977	-4.983721
1/15/2022 20:00	1/15/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.86	47.962475	-10.28405	-5.609308
1/15/2022 21:00	1/15/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	141.34	65.107438	-63.836248	-12.396314
1/15/2022 22:00	1/15/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	177.72	82.29717	-80.475506	-14.942324
1/15/2022 23:00	1/15/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.18	94.512796	-25.949914	-9.713123
1/16/2022 0:00	1/15/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.5	74.58241	-23.009674	-7.906249
1/16/2022 1:00	1/15/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	176.66	67.320831	-95.035501	-14.304501
1/16/2022 2:00	1/15/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	215.07	72.044015	-125.290508	-17.735477
1/16/2022 3:00	1/15/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	174.37	65.655413	-94.808969	-13.907285
1/16/2022 4:00	1/15/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	178.39	86.08538	-78.499499	-13.800955
1/16/2022 5:00	1/16/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	220	64.348823	-138.862619	-16.789392
1/16/2022 6:00	1/16/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	178.31	59.56817	-106.255584	-12.48708
1/16/2022 7:00	1/16/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	143.73	63.323523	-69.886709	-10.516435
1/16/2022 8:00	1/16/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	153.39	84.017133	-58.03528	-11.340087
1/16/2022 9:00	1/16/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.88	71.892544	-29.772068	-8.217888
1/16/2022 10:00	1/16/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.18	68.013446	-38.309619	-8.860269
1/16/2022 11:00	1/16/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	179.21	91.849135	-73.203998	-14.156034
1/16/2022 12:00	1/16/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	543.36	184.311893	-311.22032	-47.829454
1/16/2022 13:00	1/16/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	286.37	105.323085	-155.315928	-25.727653
1/16/2022 14:00	1/16/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	275.76	139.039662	-114.84123	-21.880775
1/16/2022 15:00	1/16/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	286	98.975146	-164.439884	-22.585803
1/16/2022 16:00	1/16/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	213.2	66.259764	-130.5927	-16.350036
1/16/2022 17:00	1/16/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	360.09	73.86174	-255.537678	-30.687249
1/16/2022 18:00	1/16/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	222.57	58.726996	-145.67652	-18.161485
1/16/2022 19:00	1/16/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	185.11	35.012517	-135.346913	-14.749737
1/16/2022 20:00	1/16/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	223.41	66.385698	-139.904669	-17.118799
1/16/2022 21:00	1/16/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	296.53	154.117844	-119.34982	-23.057336
1/16/2022 22:00	1/16/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	137.6	77.076117	-50.250093	-10.277957
1/16/2022 23:00	1/16/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.52	48.321186	-49.045547	-7.153267
1/17/2022 0:00	1/16/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.41	53.006097	-31.1933	-6.205603
1/17/2022 1:00	1/16/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.38	53.513886	-26.196492	-5.672122
1/17/2022 2:00	1/16/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.72	55.542919	-6.597829	-4.580919
1/17/2022 3:00	1/16/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.63	32.651561	-23.776852	-4.197421
1/17/2022 4:00	1/16/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.95	41.492827	-1.489603	-2.965903
1/17/2022 5:00	1/17/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.13	35.365379	-2.199547	-2.567575
1/17/2022 6:00	1/17/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.19	33.938317	-6.345046	-2.90747
1/17/2022 7:00	1/17/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.82	35.821301	-4.062088	-2.936611
1/17/2022 8:00	1/17/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.41	33.04396	-2.639298	-2.722576
1/17/2022 9:00	1/17/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.04	36.155993	-4.876975	-3.007032
1/17/2022 10:00	1/17/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.99	39.56193	-24.84106	-4.583677
1/17/2022 11:00	1/17/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.96	41.192584	-4.783693	-2.984556
1/17/2022 12:00	1/17/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.23	50.455493	-5.835601	-3.933905
1/17/2022 13:00	1/17/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.89	53.096156	-1.063145	-3.727365
1/17/2022 14:00	1/17/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.47	51.210703	-1.733298	-3.528499
1/17/2022 15:00	1/17/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.55	50.299887	-1.886397	-3.366217
1/17/2022 16:00	1/17/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.51	85.076185	-18.307858	-6.129291
1/17/2022 17:00	1/17/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.79	75.80703	-23.745138	-6.234499
1/17/2022 18:00	1/17/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.18	64.708667	2.276914	-3.750746
1/17/2022 19:00	1/17/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.1	56.042854	-1.618304	-3.441342
1/17/2022 20:00	1/17/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.87	59.860082	0.68112	-3.690205
1/17/2022 21:00	1/17/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.14	54.695013	-4.657715	-3.790605
1/17/2022 22:00	1/17/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.28	62.192074	-11.070576	-5.01735
1/17/2022 23:00	1/17/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.93	60.849243	-4.235226	-3.843864
1/18/2022 0:00	1/17/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.33	50.27602	-4.721133	-3.333681
1/18/2022 1:00	1/17/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.68	44.555588	-5.197806	-2.926607
1/18/2022 2:00	1/17/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.19	51.714691	-6.23154	-3.24627
1/18/2022 3:00	1/17/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.89	41.690801	-2.88226	-2.31444
1/18/2022 4:00	1/17/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.48	48.45127	-0.333442	-2.699455
1/18/2022 5:00	1/18/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.69	40.923563	-2.085259	-2.678677
1/18/2022 6:00	1/18/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.95	41.947485	-1.437643	-2.565705
1/18/2022 7:00	1/18/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.98	44.274537	-0.988916	-2.716547
1/18/2022 8:00	1/18/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.02	39.989708	-24.161411	-3.868048
1/18/2022 9:00	1/18/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.25	45.135043	-2.261713	-2.849077
1/18/2022 10:00	1/18/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.7	47.123082	-1.423586	-3.148332
1/18/2022 11:00	1/18/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.65	44.578512	-7.610906	-3.458082
1/18/2022 12:00	1/18/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.85	51.633307	-11.262449	-3.957577
1/18/2022 13:00	1/18/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.09	49.766152	-2.127292	-3.194889
1/18/2022 14:00	1/18/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.39	52.44784	-1.63901	-3.298983
1/18/2022 15:00	1/18/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.37	53.424604	-0.527804	-3.417592
1/18/2022 16:00	1/18/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.17	53.569884	1.228922	-3.829038
1/18/2022 17:00	1/18/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.26	43.133606	-0.685894	-3.4355
1/18/2022 18:00	1/18/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.42	28.456074	-16.242436	-3.718991
1/18/2022 19:00	1/18/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.14	20.439214	-23.9236	-3.773853
1/18/2022 20:00	1/18/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.08	12.039641	-23.94786	-3.089166
1/18/2022 21:00	1/18/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.36	25.743527	-19.726768	-3.888872
1/18/2022 22:00	1/18/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.71	60.588273	-1.453715	-5.670512
1/18/2022 23:00	1/18/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.18	55.361456	-2.464212	-5.355999

1/19/2022 0:00	1/18/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.08	54.888764	-3.463076	-5.727327
1/19/2022 1:00	1/18/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.5	46.198729	-1.717459	-4.580479
1/19/2022 2:00	1/18/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.35	44.786507	-4.693291	-4.866036
1/19/2022 3:00	1/18/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.4	27.314677	-17.789139	-4.299517
1/19/2022 4:00	1/18/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.91	41.66172	-7.606349	-4.636931
1/19/2022 5:00	1/19/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.25	56.21998	8.226005	-4.256025
1/19/2022 6:00	1/19/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.68	39.514771	2.147466	-3.316862
1/19/2022 7:00	1/19/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.84	46.702053	4.642043	-3.783323
1/19/2022 8:00	1/19/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.09	40.091783	-2.17635	-3.826034
1/19/2022 9:00	1/19/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.85	47.747826	6.512363	-3.611204
1/19/2022 10:00	1/19/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.3	53.22165	8.626321	-3.702171
1/19/2022 11:00	1/19/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.08	52.496797	-2.676181	-4.905356
1/19/2022 12:00	1/19/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.91	49.814583	-54.838862	-9.257389
1/19/2022 13:00	1/19/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.86	43.026647	-13.989604	-4.84625
1/19/2022 14:00	1/19/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.69	36.405814	-2.149247	-3.131606
1/19/2022 15:00	1/19/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.78	28.368203	-4.054102	-2.358528
1/19/2022 16:00	1/19/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.94	34.033074	0.076974	-1.988067
1/19/2022 17:00	1/19/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.92	31.796446	0.601191	-1.728911
1/19/2022 18:00	1/19/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.72	30.992116	-0.16726	-1.561458
1/19/2022 19:00	1/19/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.4	31.095549	-0.741321	-1.562297
1/19/2022 20:00	1/19/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.07	35.75635	-0.498722	-1.816595
1/19/2022 21:00	1/19/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.46	35.64356	-1.080638	-1.734135
1/19/2022 22:00	1/19/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.63	42.71535	-1.46749	-2.445493
1/19/2022 23:00	1/19/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.8	40.387528	-0.385046	-2.026593
1/20/2022 0:00	1/19/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.07	36.217083	-1.186829	-1.668588
1/20/2022 1:00	1/19/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.39	35.617678	-0.217834	-1.551154
1/20/2022 2:00	1/19/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.98	37.447968	-0.067427	-1.464605
1/20/2022 3:00	1/19/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.33	33.068574	-0.035222	-1.226204
1/20/2022 4:00	1/19/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.63	33.4631	-0.002639	-1.165928
1/20/2022 5:00	1/20/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.87	36.600339	0.586495	-0.857823
1/20/2022 6:00	1/20/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.24	33.617461	0	-0.622539
1/20/2022 7:00	1/20/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.24	33.621043	0	-0.618957
1/20/2022 8:00	1/20/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.64	32.982194	0	-0.658639
1/20/2022 9:00	1/20/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.23	37.501589	0	-0.729245
1/20/2022 10:00	1/20/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.88	36.457614	0.258838	-0.679557
1/20/2022 11:00	1/20/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.25	44.584681	1.261579	-0.926897
1/20/2022 12:00	1/20/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.19	47.691105	1.623567	-1.118296
1/20/2022 13:00	1/20/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.54	54.560664	2.31827	-1.296773
1/20/2022 14:00	1/20/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.58	52.533972	2.54175	-1.590277
1/20/2022 15:00	1/20/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.51	84.124812	1.343295	-3.731816
1/20/2022 16:00	1/20/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.1	56.300664	-0.319319	-3.475018
1/20/2022 17:00	1/20/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.59	55.307986	-0.605526	-3.677322
1/20/2022 18:00	1/20/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.73	54.86023	-0.264728	-3.600042
1/20/2022 19:00	1/20/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.57	54.131968	-0.889645	-3.548388
1/20/2022 20:00	1/20/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.53	55.012307	-1.026528	-3.493665
1/20/2022 21:00	1/20/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.94	49.228241	-0.491635	-3.221791
1/20/2022 22:00	1/20/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.36	64.85681	2.93281	-4.440167
1/20/2022 23:00	1/20/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.3	66.49966	1.375076	-4.176249
1/21/2022 0:00	1/20/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.27	63.693709	1.227221	-3.805179
1/21/2022 1:00	1/20/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.29	63.655259	0.351997	-3.990905
1/21/2022 2:00	1/20/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.28	60.920322	0.207128	-3.561806
1/21/2022 3:00	1/20/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.07	64.767435	0.527514	-3.829245
1/21/2022 4:00	1/20/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.49	59.291189	1.507775	-3.701587
1/21/2022 5:00	1/21/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.19	51.064214	-0.480195	-3.646425
1/21/2022 6:00	1/21/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.66	37.604828	-12.953803	-4.101369
1/21/2022 7:00	1/21/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.06	45.374753	-16.375276	-4.314138
1/21/2022 8:00	1/21/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.92	44.619745	-14.212033	-4.085722
1/21/2022 9:00	1/21/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.9	56.357007	-13.525171	-5.020323
1/21/2022 10:00	1/21/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.76	56.92072	-22.872416	-5.96603
1/21/2022 11:00	1/21/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.96	49.767977	-42.234705	-6.959818
1/21/2022 12:00	1/21/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.27	82.311333	-23.704233	-8.256102
1/21/2022 13:00	1/21/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.2	73.493878	-11.837014	-6.872442
1/21/2022 14:00	1/21/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.03	53.331278	-29.119191	-6.579531
1/21/2022 15:00	1/21/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	151.42	83.680619	-56.900588	-10.834625
1/21/2022 16:00	1/21/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.51	45.817974	-46.704948	-7.983745
1/21/2022 17:00	1/21/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.68	35.097879	-60.008402	-7.575386
1/21/2022 18:00	1/21/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.64	47.533962	-25.589455	-5.514916
1/21/2022 19:00	1/21/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.38	47.96855	-26.325897	-7.08472
1/21/2022 20:00	1/21/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.58	48.84418	-56.237796	-10.498857
1/21/2022 21:00	1/21/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.9	49.852448	-19.308577	-6.739808
1/21/2022 22:00	1/21/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.03	46.682275	-37.541545	-8.80868
1/21/2022 23:00	1/21/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.26	38.662929	-15.850998	-4.74524
1/22/2022 0:00	1/21/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.7	56.949158	-12.059423	-5.694753
1/22/2022 1:00	1/21/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.81	55.099061	-13.166125	-5.545648
1/22/2022 2:00	1/21/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.85	63.407168	-16.74658	-6.69292
1/22/2022 3:00	1/21/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.11	52.445013	-25.758738	-6.906249
1/22/2022 4:00	1/21/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.57	63.76003	-48.468936	-10.342701
1/22/2022 5:00	1/22/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.5	81.960447	-4.886535	-7.657185
1/22/2022 6:00	1/22/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.83	66.673761	-23.608891	-8.543181
1/22/2022 7:00	1/22/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.11	77.797983	-28.367894	-9.940789
1/22/2022 8:00	1/22/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.88	63.358664	-20.492388	-8.028115
1/22/2022 9:00	1/22/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	181.34	68.520911	-97.17589	-15.639032
1/22/2022 10:00	1/22/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	223.4	76.597222	-126.86669	-19.932755
1/22/2022 11:00	1/22/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.47	67.687306	-17.513985	-8.272042
1/22/2022 12:00	1/22/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.32	64.324842	-23.366124	-8.626534
1/22/2022 13:00	1/22/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.72	60.749686	-55.31102	-11.663461
1/22/2022 14:00	1/22/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66	41.747192	-18.795654	-5.45882
1/22/2022 15:00	1/22/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.92	51.097013	-0.271913	-4.551907
1/22/2022 16:00	1/22/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.81	51.115662	2.491417	-4.180755
1/22/2022 17:00	1/22/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.71	37.547057	2.753088	-2.919364
1/22/2022 18:00	1/22/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.5	37.471194	2.902761	-2.935734
1/22/2022 19:00	1/22/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.53	34.101462	3.319765	-2.751636
1/22/2022 20:00	1/22/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.27	34.759683	2.316122	-2.822273
1/22/2022 21:00	1/22/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.6	43.330923	-3.030178	-4.243066
1/22/2022 22:00	1/22/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.67	64.987929	-19.180734	-7.501338
1/22/2022 23:00	1/22/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.87	71.020944	-44.508252	-10.335805
1/23/2022 0:00	1/22/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	248.02	43.06423	-184.205445	-20.747826
1/23/2022 1:00	1/22/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.55	52.530673	-33.81879	-8.201371
1/23/2022 2:00	1/22/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.31	49.645924	-45.690454	-8.971955
1/23/2022 3:00	1/22/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.66	50.102542	-11.172419	-5.389206
1/23/2022 4:00	1/22/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.36	55.161091	-5.012705	-5.189537
1/23/2022 5:00	1/23/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.61	94.34704	-25.904849	-10.362278
1/23/2022 6:00	1/23/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.94	58.304282	6.621199	-4.256917
1/23/2022 7:00	1/23/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.88	60.105709	2.881688	-4.657645
1/23/2022 8:00	1/23/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.15	57.131607	5.21331	-4.230036
1/23/2022 9:00	1/23/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.77	43.931153	-31.075278	-6.764402
1/23/2022 10:00	1/23/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.94	35.897573	-30.712972	-6.330288

1/23/2022 11:00	1/23/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.06	36.917311	-7.078492	-4.065863
1/23/2022 12:00	1/23/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.02	39.852429	-4.25121	-3.915528
1/23/2022 13:00	1/23/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.86	40.328839	0.758455	-3.288783
1/23/2022 14:00	1/23/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.72	37.284183	3.123546	-2.55853
1/23/2022 15:00	1/23/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.61	38.820952	2.65365	-2.438531
1/23/2022 16:00	1/23/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.05	47.290124	1.350201	-3.112577
1/23/2022 17:00	1/23/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.15	43.344906	-25.357881	-4.444713
1/23/2022 18:00	1/23/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.69	36.609017	-17.528787	-3.552196
1/23/2022 19:00	1/23/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.07	40.928097	1.61164	-2.756043
1/23/2022 20:00	1/23/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.68	47.142193	1.601187	-3.141494
1/23/2022 21:00	1/23/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.2	50.60218	0.628157	-3.225143
1/23/2022 22:00	1/23/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.29	50.389252	-4.450601	-3.45348
1/23/2022 23:00	1/23/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.25	52.924695	-5.727299	-3.599673
1/24/2022 0:00	1/23/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.07	46.215634	-7.557861	-3.298172
1/24/2022 1:00	1/23/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.84	41.812248	-6.043191	-2.988728
1/24/2022 2:00	1/23/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.41	40.791659	-1.88839	-2.728284
1/24/2022 3:00	1/23/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.77	39.59239	-1.626126	-2.550651
1/24/2022 4:00	1/23/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.98	40.958349	-0.605955	-2.419863
1/24/2022 5:00	1/24/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.11	35.607832	-0.441119	-2.056882
1/24/2022 6:00	1/24/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.1	33.803491	0.669244	-1.965752
1/24/2022 7:00	1/24/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.75	39.425852	-1.930285	-2.397197
1/24/2022 8:00	1/24/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.17	38.094306	-3.55308	-2.524281
1/24/2022 9:00	1/24/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.8	38.060722	-4.835734	-2.90271
1/24/2022 10:00	1/24/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.32	39.526823	-10.333232	-3.461611
1/24/2022 11:00	1/24/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.44	56.836475	-32.596708	-7.00265
1/24/2022 12:00	1/24/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.81	47.285962	-24.86143	-5.659275
1/24/2022 13:00	1/24/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.64	38.813159	-7.205878	-3.621796
1/24/2022 14:00	1/24/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.82	30.473868	-1.259221	-2.084411
1/24/2022 15:00	1/24/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.65	41.757662	0.351783	-2.243288
1/24/2022 16:00	1/24/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.16	40.890214	-0.216955	-2.056998
1/24/2022 17:00	1/24/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.47	42.943246	1.49912	-2.025874
1/24/2022 18:00	1/24/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.21	42.888445	1.859711	-2.178766
1/24/2022 19:00	1/24/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.73	53.549095	9.376144	-2.558715
1/24/2022 20:00	1/24/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.17	43.534018	1.941743	-2.572725
1/24/2022 21:00	1/24/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.42	41.752155	0.345333	-3.016511
1/24/2022 22:00	1/24/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.48	70.588721	-23.989963	-7.897982
1/24/2022 23:00	1/24/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.56	49.432035	-0.26249	-3.868809
1/25/2022 0:00	1/24/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.13	35.269143	-13.000016	-3.859174
1/25/2022 1:00	1/24/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.33	35.909018	-8.167986	-3.248829
1/25/2022 2:00	1/24/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.37	32.234685	-3.604089	-2.526226
1/25/2022 3:00	1/24/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.44	32.804749	-1.418963	-2.219623
1/25/2022 4:00	1/24/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.43	39.573695	0.525506	-2.377645
1/25/2022 5:00	1/25/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.27	41.934973	0.074266	-2.41096
1/25/2022 6:00	1/25/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.64	36.607391	-0.051933	-1.979009
1/25/2022 7:00	1/25/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.28	36.321782	0	-1.959051
1/25/2022 8:00	1/25/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.12	37.135198	0	-1.987302
1/25/2022 9:00	1/25/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.75	37.254984	-0.442626	-2.05239
1/25/2022 10:00	1/25/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.03	39.072387	-3.926727	-2.02922
1/25/2022 11:00	1/25/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.24	61.307437	0.899897	-2.835793
1/25/2022 12:00	1/25/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.76	96.395811	11.690388	-4.052911
1/25/2022 13:00	1/25/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.79	75.421714	2.114697	-3.48715
1/25/2022 14:00	1/25/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.69	67.379389	3.864081	-2.176359
1/25/2022 15:00	1/25/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.32	52.817487	2.316454	-1.818134
1/25/2022 16:00	1/25/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.69	49.233907	0	-1.46026
1/25/2022 17:00	1/25/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.18	42.203511	0.13746	-1.113949
1/25/2022 18:00	1/25/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.97	47.205253	3.453711	-1.222625
1/25/2022 19:00	1/25/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.54	40.397882	1.093585	-1.236537
1/25/2022 20:00	1/25/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.25	40.457375	2.474148	-1.27094
1/25/2022 21:00	1/25/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.98	41.329457	0.632877	-1.284253
1/25/2022 22:00	1/25/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.33	49.285551	0.653929	-1.697544
1/25/2022 23:00	1/25/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.61	60.715096	4.96788	-1.864451
1/26/2022 0:00	1/25/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.49	52.087203	3.572702	-1.975498
1/26/2022 1:00	1/25/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.38	44.137029	0.775082	-2.018053
1/26/2022 2:00	1/25/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.98	38.808415	-2.29037	-1.880381
1/26/2022 3:00	1/25/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.91	39.064876	-2.19377	-1.653021
1/26/2022 4:00	1/25/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.01	43.558518	1.254718	-1.7037
1/26/2022 5:00	1/26/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.2	38.322921	-1.139541	-1.741704
1/26/2022 6:00	1/26/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.7	39.847066	-0.136646	-1.717955
1/26/2022 7:00	1/26/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.39	39.550966	-0.183432	-1.656436
1/26/2022 8:00	1/26/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.57	40.981527	0.001409	-1.589049
1/26/2022 9:00	1/26/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.13	42.211651	-0.389496	-1.523853
1/26/2022 10:00	1/26/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.76	50.139302	0.099528	-1.716892
1/26/2022 11:00	1/26/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.83	62.586549	-7.419086	-2.825199
1/26/2022 12:00	1/26/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.47	47.909735	-5.903185	-2.654579
1/26/2022 13:00	1/26/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.47	50.551986	-2.740269	-2.173578
1/26/2022 14:00	1/26/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.92	42.453716	1.092936	-1.560887
1/26/2022 15:00	1/26/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.35	54.217726	-0.016869	-2.110406
1/26/2022 16:00	1/26/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.76	45.812924	-0.821397	-2.124846
1/26/2022 17:00	1/26/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.38	41.613901	-0.060486	-1.705613
1/26/2022 18:00	1/26/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.3	43.249544	0.658872	-1.706828
1/26/2022 19:00	1/26/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.68	39.146028	0.258727	-1.791033
1/26/2022 20:00	1/26/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.65	43.482129	-2.71412	-2.457084
1/26/2022 21:00	1/26/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.57	49.550783	-3.744633	-3.278751
1/26/2022 22:00	1/26/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.72	51.906049	-14.316589	-4.494862
1/26/2022 23:00	1/26/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.89	54.692864	-12.765182	-4.436121
1/27/2022 0:00	1/26/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.87	44.324218	-24.299693	-5.244423
1/27/2022 1:00	1/26/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.22	42.416989	-18.039419	-4.761093
1/27/2022 2:00	1/26/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.69	42.485092	-16.287194	-4.920214
1/27/2022 3:00	1/26/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.38	40.562498	-18.502819	-5.314683
1/27/2022 4:00	1/26/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.09	33.788699	-19.320222	-4.978579
1/27/2022 5:00	1/27/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.49	42.112017	-13.418569	-4.961914
1/27/2022 6:00	1/27/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.56	42.076159	-14.106099	-5.373576
1/27/2022 7:00	1/27/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.87	41.741286	-15.724575	-5.402473
1/27/2022 8:00	1/27/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.63	39.97698	-15.328263	-5.325591
1/27/2022 9:00	1/27/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.48	40.651788	-15.411893	-5.411319
1/27/2022 10:00	1/27/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	153.11	50.063841	-89.150452	-13.890707
1/27/2022 11:00	1/27/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	234.45	61.790941	-149.419026	-23.235866
1/27/2022 12:00	1/27/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.27	34.260338	-51.901935	-9.106061
1/27/2022 13:00	1/27/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.75	37.253611	-18.728646	-5.764409
1/27/2022 14:00	1/27/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.84	37.542021	-2.661045	-3.633601
1/27/2022 15:00	1/27/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.09	39.706336	-14.845524	-4.533974
1/27/2022 16:00	1/27/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.21	46.122827	-2.53139	-3.55495
1/27/2022 17:00	1/27/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.48	42.659871	-2.540689	-3.280274
1/27/2022 18:00	1/27/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.64	43.926419	-0.655217	-3.056697
1/27/2022 19:00	1/27/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.63	49.552166	0	-3.080334
1/27/2022 20:00	1/27/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.6	51.345296	-0.005006	-3.248866
1/27/2022 21:00	1/27/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.87	51.50665	-1.606704	-3.759146

1/27/2022 22:00	1/27/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	171.81	101.692725	-57.666711	-12.448897
1/27/2022 23:00	1/27/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.26	43.894617	-32.431629	-5.936254
1/28/2022 0:00	1/27/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.19	43.123883	-8.800866	-4.261084
1/28/2022 1:00	1/27/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.36	43.032971	-30.700435	-5.621594
1/28/2022 2:00	1/27/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.7	52.008267	-43.808666	-6.8864
1/28/2022 3:00	1/27/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.29	44.004611	-10.44058	-3.847309
1/28/2022 4:00	1/27/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.06	45.575842	-2.28731	-3.195181
1/28/2022 5:00	1/28/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.65	48.465701	-1.081031	-3.103268
1/28/2022 6:00	1/28/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.58	47.74831	-0.665025	-3.170832
1/28/2022 7:00	1/28/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.38	46.631203	1.110056	-2.85802
1/28/2022 8:00	1/28/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.89	43.799098	-1.045271	-3.046465
1/28/2022 9:00	1/28/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.24	55.78273	-0.559276	-3.89716
1/28/2022 10:00	1/28/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.36	42.643012	-3.358685	-3.359137
1/28/2022 11:00	1/28/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.28	49.336133	-31.451679	-6.493855
1/28/2022 12:00	1/28/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.12	55.785088	-56.832987	-9.496926
1/28/2022 13:00	1/28/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.81	52.644396	-6.676556	-4.485714
1/28/2022 14:00	1/28/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.6	58.543861	-2.623859	-4.431447
1/28/2022 15:00	1/28/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.81	55.968133	-0.899675	-3.943025
1/28/2022 16:00	1/28/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.03	52.91759	-0.545507	-3.56607
1/28/2022 17:00	1/28/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.36	53.157958	-0.672202	-3.525673
1/28/2022 18:00	1/28/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.72	57.231054	0.038513	-3.524126
1/28/2022 19:00	1/28/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.91	53.479163	0.163853	-3.595523
1/28/2022 20:00	1/28/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.66	51.769156	0.716682	-3.602526
1/28/2022 21:00	1/28/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.68	58.594114	0.735261	-3.820314
1/28/2022 22:00	1/28/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.72	62.916067	-0.550548	-4.252552
1/28/2022 23:00	1/28/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.23	58.250618	-0.359952	-3.618597
1/29/2022 0:00	1/28/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.14	53.245066	0.312778	-3.206046
1/29/2022 1:00	1/28/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.42	54.600243	0.166724	-2.988981
1/29/2022 2:00	1/28/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.95	57.299685	0.246126	-2.892274
1/29/2022 3:00	1/28/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.36	66.492443	1.128798	-2.991354
1/29/2022 4:00	1/28/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.98	67.954116	2.828905	-2.856455
1/29/2022 5:00	1/29/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.66	51.411889	2.152276	-2.397887
1/29/2022 6:00	1/29/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.2	50.96973	0.105286	-2.337223
1/29/2022 7:00	1/29/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.58	55.379637	0.1729	-2.376596
1/29/2022 8:00	1/29/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.63	58.437973	0.102595	-2.298789
1/29/2022 9:00	1/29/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.49	57.610648	0.202797	-2.082983
1/29/2022 10:00	1/29/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.4	54.313006	-2.856259	-2.225735
1/29/2022 11:00	1/29/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.32	56.446835	-4.369668	-2.498498
1/29/2022 12:00	1/29/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.36	58.793318	-0.943104	-2.621079
1/29/2022 13:00	1/29/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.05	87.927921	2.598785	-4.720863
1/29/2022 14:00	1/29/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.49	79.38288	1.510507	-4.614293
1/29/2022 15:00	1/29/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.59	56.250717	-11.31982	-5.016963
1/29/2022 16:00	1/29/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.46	66.238037	-12.215521	-6.009775
1/29/2022 17:00	1/29/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	207.23	67.152891	-124.87396	-15.207316
1/29/2022 18:00	1/29/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.47	49.387337	-29.612592	-6.472571
1/29/2022 19:00	1/29/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.66	51.018355	-23.448238	-6.190907
1/29/2022 20:00	1/29/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.48	49.720258	-18.95162	-5.811455
1/29/2022 21:00	1/29/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.61	70.238907	-28.24235	-8.123743
1/29/2022 22:00	1/29/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.09	64.486951	-52.977402	-10.62648
1/29/2022 23:00	1/29/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.52	58.37962	-26.851757	-8.288622
1/30/2022 0:00	1/29/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.65	54.258903	-41.080732	-9.308698
1/30/2022 1:00	1/29/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.19	20.939999	-79.586374	-9.66696
1/30/2022 2:00	1/29/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.12	34.735786	-81.868257	-11.515123
1/30/2022 3:00	1/29/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	183.15	26.513007	-140.297533	-16.343627
1/30/2022 4:00	1/29/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	138.59	2.054503	-124.531144	-12.001853
1/30/2022 5:00	1/30/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	140.89	8.919043	-119.461802	-12.510823
1/30/2022 6:00	1/30/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	360.53	25.121797	-300.985816	-34.421554
1/30/2022 7:00	1/30/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.51	30.324573	-31.975455	-6.206639
1/30/2022 8:00	1/30/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.37	53.456597	-23.781365	-8.132872
1/30/2022 9:00	1/30/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.73	50.595795	-7.993999	-6.135206
1/30/2022 10:00	1/30/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.54	49.401882	-41.159331	-9.977954
1/30/2022 11:00	1/30/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.31	51.465291	-24.167082	-8.678461
1/30/2022 12:00	1/30/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.95	63.279692	-49.472748	-13.199228
1/30/2022 13:00	1/30/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.83	48.821035	-24.093076	-7.913389
1/30/2022 14:00	1/30/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.29	71.309657	-24.998554	-9.976789
1/30/2022 15:00	1/30/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.36	60.256945	-17.716654	-8.383068
1/30/2022 16:00	1/30/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.34	44.171457	-49.245404	-9.918139
1/30/2022 17:00	1/30/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.77	46.668451	-12.411991	-5.686225
1/30/2022 18:00	1/30/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.66	46.095147	-11.458025	-5.109328
1/30/2022 19:00	1/30/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.56	41.753555	-12.957175	-4.847603
1/30/2022 20:00	1/30/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.13	43.84173	-16.673152	-5.611784
1/30/2022 21:00	1/30/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.59	64.584961	-21.735913	-8.26746
1/30/2022 22:00	1/30/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.49	62.854385	-32.958407	-9.674709
1/30/2022 23:00	1/30/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	158.06	74.133179	-71.065602	-12.857885
1/31/2022 0:00	1/30/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	205.2	97.485712	-91.706924	-16.008197
1/31/2022 1:00	1/30/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	137.55	122.032054	-5.313063	-10.203216
1/31/2022 2:00	1/30/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	171.21	155.448154	-1.733493	-14.024187
1/31/2022 3:00	1/30/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.03	81.88615	-6.862793	-8.28439
1/31/2022 4:00	1/30/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.31	77.403775	-3.892629	-7.016096
1/31/2022 5:00	1/31/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.11	71.768222	1.067985	-5.40893
1/31/2022 6:00	1/31/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.64	77.32552	7.104747	-5.416726
1/31/2022 7:00	1/31/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.42	72.81915	-5.518492	-6.077358
1/31/2022 8:00	1/31/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.33	62.692532	-10.098576	-5.539725
1/31/2022 9:00	1/31/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.04	112.870631	14.357991	-7.528194
1/31/2022 10:00	1/31/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.58	81.297122	-0.603595	-6.682616
1/31/2022 11:00	1/31/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	539.28	483.276587	-12.244165	-43.755915
1/31/2022 12:00	1/31/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	230.36	163.446123	-49.638591	-17.272786
1/31/2022 13:00	1/31/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	133.91	124.811989	0.379931	-9.482108
1/31/2022 14:00	1/31/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.11	65.496882	-11.793737	-6.822714
1/31/2022 15:00	1/31/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.92	58.937391	-10.842784	-6.134826
1/31/2022 16:00	1/31/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.06	50.604605	-9.42096	-5.037768
1/31/2022 17:00	1/31/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.45	46.790675	-4.720917	-3.941741
1/31/2022 18:00	1/31/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.63	47.700463	0.44884	-3.377544
1/31/2022 19:00	1/31/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.82	43.302423	2.557783	-3.077027
1/31/2022 20:00	1/31/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.66	42.960661	-1.905399	-3.794772
1/31/2022 21:00	1/31/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.85	44.491528	-7.701579	-4.654393
1/31/2022 22:00	1/31/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	167.28	70.435291	-81.628362	-15.213014
1/31/2022 23:00	1/31/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	214.13	45.199478	-149.816901	-19.111955
2/1/2022 0:00	1/31/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.71	60.756579	-13.765415	-7.18884
2/1/2022 1:00	1/31/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.86	53.314218	-17.881172	-7.66711
2/1/2022 2:00	1/31/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.35	59.628115	-36.986926	-10.731625
2/1/2022 3:00	1/31/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	206.12	24.121465	-162.390326	-19.608209
2/1/2022 4:00	1/31/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	174.6	-1.207023	-160.444945	-15.362911
2/1/2022 5:00	2/1/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.3	8.045322	-52.033575	-5.22277
2/1/2022 6:00	2/1/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.76	15.29237	-31.296479	-4.166151
2/1/2022 7:00	2/1/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.81	6.537817	-46.432213	-4.844136
2/1/2022 8:00	2/1/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.47	42.940976	-8.738468	-4.794723

2/1/2022 9:00	2/1/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.58	42.707365	-14.141924	-5.729044
2/1/2022 10:00	2/1/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.82	38.389416	-21.14694	-6.281144
2/1/2022 11:00	2/1/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.04	48.41178	-39.396343	-9.233544
2/1/2022 12:00	2/1/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.19	29.481763	-59.071125	-8.634613
2/1/2022 13:00	2/1/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.29	41.293458	-19.889643	-5.1069
2/1/2022 14:00	2/1/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.05	36.044285	-11.632434	-3.373282
2/1/2022 15:00	2/1/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.2	37.021011	-1.609543	-2.569446
2/1/2022 16:00	2/1/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.53	36.230432	-0.918975	-2.383093
2/1/2022 17:00	2/1/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.79	33.952065	-1.494805	-2.342297
2/1/2022 18:00	2/1/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.65	33.832665	-1.593836	-2.224332
2/1/2022 19:00	2/1/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.63	33.630396	-1.94045	-2.06082
2/1/2022 20:00	2/1/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.08	34.4511	-1.462652	-2.164582
2/1/2022 21:00	2/1/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.04	37.663643	-2.095051	-2.27964
2/1/2022 22:00	2/1/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.78	48.002541	-0.951582	-2.830044
2/1/2022 23:00	2/1/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.41	47.121692	-0.705178	-2.578963
2/2/2022 0:00	2/1/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.99	46.90553	-0.433702	-2.654936
2/2/2022 1:00	2/1/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.21	44.956671	-0.528121	-2.726041
2/2/2022 2:00	2/1/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.68	42.13746	-0.720682	-2.823525
2/2/2022 3:00	2/1/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.82	40.583209	-0.641998	-2.589793
2/2/2022 4:00	2/1/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.88	45.828016	1.52147	-2.573454
2/2/2022 5:00	2/2/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.96	48.679174	1.322846	-2.600338
2/2/2022 6:00	2/2/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.72	44.614971	-0.771667	-2.335029
2/2/2022 7:00	2/2/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46	42.712184	-0.817503	-2.467813
2/2/2022 8:00	2/2/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.82	42.429784	-0.804841	-2.586208
2/2/2022 9:00	2/2/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.72	22.608824	-19.46744	-2.643737
2/2/2022 10:00	2/2/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.57	29.369598	-25.887558	-3.310344
2/2/2022 11:00	2/2/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128	52.332103	-67.723148	-7.944749
2/2/2022 12:00	2/2/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.28	55.906561	-11.10078	-5.274326
2/2/2022 13:00	2/2/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.93	54.497132	-2.137354	-4.298013
2/2/2022 14:00	2/2/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.59	74.902525	9.989436	-4.676078
2/2/2022 15:00	2/2/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.38	46.481888	0.959105	-2.86055
2/2/2022 16:00	2/2/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.62	40.078456	-0.5893	-1.956411
2/2/2022 17:00	2/2/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.41	42.547603	-0.414531	-1.447032
2/2/2022 18:00	2/2/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.92	41.677557	-0.946271	-1.291173
2/2/2022 19:00	2/2/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.23	40.226347	-0.682726	-1.318427
2/2/2022 20:00	2/2/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.46	40.140579	-1.903058	-1.41803
2/2/2022 21:00	2/2/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.8	55.117057	3.218005	-1.898448
2/2/2022 22:00	2/2/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.85	49.15504	0.634476	-2.328604
2/2/2022 23:00	2/2/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.38	39.287658	-3.266539	-1.823303
2/3/2022 0:00	2/2/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.39	39.373404	-2.363573	-1.651356
2/3/2022 1:00	2/2/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.25	37.746174	-2.98422	-1.523773
2/3/2022 2:00	2/2/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.54	37.647617	-2.351847	-1.542202
2/3/2022 3:00	2/2/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.67	36.963573	-2.149776	-1.554984
2/3/2022 4:00	2/2/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.84	36.215717	-0.977921	-1.644696
2/3/2022 5:00	2/3/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.33	37.03848	0.097992	-1.389512
2/3/2022 6:00	2/3/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.85	35.439169	-2.317797	-1.092201
2/3/2022 7:00	2/3/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.21	34.072446	-2.109418	-1.032303
2/3/2022 8:00	2/3/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.82	32.753032	-1.986315	-1.076486
2/3/2022 9:00	2/3/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.97	32.383205	-2.480267	-1.107361
2/3/2022 10:00	2/3/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.14	33.88995	-2.179499	-1.068051
2/3/2022 11:00	2/3/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.3	38.834954	-3.241264	-1.221283
2/3/2022 12:00	2/3/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.07	39.530131	-3.33522	-1.201316
2/3/2022 13:00	2/3/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.25	40.255165	-1.826927	-1.162908
2/3/2022 14:00	2/3/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.87	42.251903	-0.493041	-1.121722
2/3/2022 15:00	2/3/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.01	50.098425	0.376359	-1.282934
2/3/2022 16:00	2/3/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.75	54.250698	0.854358	-1.355327
2/3/2022 17:00	2/3/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.17	51.486148	0.445206	-1.125724
2/3/2022 18:00	2/3/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.97	50.28284	0.372431	-1.055424
2/3/2022 19:00	2/3/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.49	48.754558	0.317554	-1.05133
2/3/2022 20:00	2/3/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.84	45.962686	0.211351	-1.089499
2/3/2022 21:00	2/3/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.55	47.548012	0.093901	-1.092556
2/3/2022 22:00	2/3/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.54	47.479577	-2.074916	-0.981341
2/3/2022 23:00	2/3/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.15	48.054379	-0.452556	-0.643899
2/4/2022 0:00	2/3/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.7	48.96163	-0.143992	-0.591045
2/4/2022 1:00	2/3/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.68	45.650083	-0.412863	-0.620387
2/4/2022 2:00	2/3/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.27	45.788649	0	-0.481351
2/4/2022 3:00	2/3/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.88	43.252841	-0.167311	-0.457348
2/4/2022 4:00	2/3/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.33	41.67782	0.006172	-0.653352
2/4/2022 5:00	2/4/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.31	39.457497	-1.050145	-0.804857
2/4/2022 6:00	2/4/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.96	38.511356	-1.678753	-0.765725
2/4/2022 7:00	2/4/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.33	37.254459	-2.446768	-0.63044
2/4/2022 8:00	2/4/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.91	37.704718	-1.550667	-0.655448
2/4/2022 9:00	2/4/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.12	38.336146	-1.297538	-0.48215
2/4/2022 10:00	2/4/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.16	40.880809	0	-0.281691
2/4/2022 11:00	2/4/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.69	42.692572	0.080266	-0.076861
2/4/2022 12:00	2/4/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.45	45.796642	0.01079	0.339185
2/4/2022 13:00	2/4/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.54	48.321116	0.034176	0.747773
2/4/2022 14:00	2/4/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.01	65.284591	2.090761	1.18633
2/4/2022 15:00	2/4/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.22	60.415286	3.448044	0.743908
2/4/2022 16:00	2/4/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.01	53.096843	1.783965	0.306211
2/4/2022 17:00	2/4/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.08	54.456395	1.124275	0.252953
2/4/2022 18:00	2/4/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.78	52.741317	0.925422	0.032562
2/4/2022 19:00	2/4/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.96	50.253349	0.377982	-0.0813
2/4/2022 20:00	2/4/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.15	48.850908	-0.109488	-0.189604
2/4/2022 21:00	2/4/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.19	52.601123	0.833109	-0.426152
2/4/2022 22:00	2/4/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.95	66.692216	7.77209	-1.027373
2/4/2022 23:00	2/4/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.32	56.06144	5.603669	-0.862229
2/5/2022 0:00	2/4/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.92	52.184761	4.004236	-0.734475
2/5/2022 1:00	2/4/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.48	45.806843	2.348823	-1.02448
2/5/2022 2:00	2/4/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.16	49.095042	2.989008	-1.049799
2/5/2022 3:00	2/4/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.4	39.554293	-1.754949	-1.093258
2/5/2022 4:00	2/4/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.53	41.438317	0.061763	-1.14928
2/5/2022 5:00	2/5/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.89	39.961631	-1.378317	-1.553385
2/5/2022 6:00	2/5/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.45	36.879532	-2.839881	-1.727254
2/5/2022 7:00	2/5/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.68	38.7638	-2.281646	-1.633721
2/5/2022 8:00	2/5/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.77	37.546585	-2.631962	-1.587286
2/5/2022 9:00	2/5/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.33	38.020745	-2.813747	-1.497174
2/5/2022 10:00	2/5/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.87	40.329624	-3.159658	-1.379884
2/5/2022 11:00	2/5/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.13	44.846491	-0.862748	-1.418261
2/5/2022 12:00	2/5/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.89	47.883576	-0.638872	-1.362552
2/5/2022 13:00	2/5/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.83	48.688751	0.149343	-1.285593
2/5/2022 14:00	2/5/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.81	47.138992	0.361855	-1.035363
2/5/2022 15:00	2/5/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.41	64.859398	0.355761	-1.901362
2/5/2022 16:00	2/5/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.32	51.688065	-0.470158	-2.16511
2/5/2022 17:00	2/5/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.52	44.934809	-0.664171	-1.92102
2/5/2022 18:00	2/5/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.75	46.432911	-0.35193	-1.967659
2/5/2022 19:00	2/5/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.22	43.165982	-0.065307	-1.992878

2/5/2022 20:00	2/5/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.4	43.711821	-0.387487	-2.296526
2/5/2022 21:00	2/5/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.41	51.13101	3.67056	-2.94955
2/5/2022 22:00	2/5/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.09	49.856999	-6.26093	-3.967072
2/5/2022 23:00	2/5/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.76	60.400537	-0.906565	-4.452898
2/6/2022 0:00	2/5/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.46	49.923211	-6.142712	-4.393243
2/6/2022 1:00	2/5/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.11	45.717883	-8.964963	-4.422988
2/6/2022 2:00	2/5/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.07	46.02128	-9.299822	-4.750565
2/6/2022 3:00	2/5/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.06	44.568464	-8.012639	-4.476397
2/6/2022 4:00	2/5/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.55	45.652397	-4.685129	-4.209975
2/6/2022 5:00	2/6/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.13	38.315568	-27.037733	-5.773366
2/6/2022 6:00	2/6/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.51	38.252909	-18.382368	-4.874723
2/6/2022 7:00	2/6/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.61	38.646053	-18.926645	-5.037303
2/6/2022 8:00	2/6/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.16	34.574924	-20.867065	-4.716345
2/6/2022 9:00	2/6/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.84	30.400942	-29.29794	-5.142784
2/6/2022 10:00	2/6/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.97	22.88731	-41.363362	-5.719328
2/6/2022 11:00	2/6/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.65	22.239881	-68.686385	-8.725401
2/6/2022 12:00	2/6/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	138.44	54.95536	-71.263365	-12.222109
2/6/2022 13:00	2/6/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.86	37.572629	-31.23776	-6.048778
2/6/2022 14:00	2/6/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.5	33.036909	-9.920754	-3.543171
2/6/2022 15:00	2/6/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.82	36.762856	-4.799409	-3.253569
2/6/2022 16:00	2/6/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.58	36.943239	-3.694905	-2.944356
2/6/2022 17:00	2/6/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.96	37.643351	-3.469231	-2.851585
2/6/2022 18:00	2/6/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.28	38.020312	-6.36013	-2.902892
2/6/2022 19:00	2/6/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.2	38.265868	-0.395226	-2.540573
2/6/2022 20:00	2/6/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.04	40.549122	-3.484451	-3.003927
2/6/2022 21:00	2/6/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.88	44.777673	-1.58443	-3.515398
2/6/2022 22:00	2/6/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.15	44.71258	-14.539621	-4.894465
2/6/2022 23:00	2/6/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.08	57.649585	-8.878211	-5.548038
2/7/2022 0:00	2/6/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.55	50.899301	-5.968158	-4.682542
2/7/2022 1:00	2/6/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.93	44.605907	-7.778973	-4.540954
2/7/2022 2:00	2/6/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.42	37.74122	-7.66903	-4.005583
2/7/2022 3:00	2/6/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.36	36.264022	-7.355343	-3.742302
2/7/2022 4:00	2/6/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.45	37.608422	-4.393637	-3.444607
2/7/2022 5:00	2/7/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.57	31.101517	-8.310861	-3.153456
2/7/2022 6:00	2/7/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.86	35.926844	-8.483889	-3.446767
2/7/2022 7:00	2/7/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.93	37.416758	-5.146275	-3.371134
2/7/2022 8:00	2/7/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.75	37.670575	-3.932527	-3.147731
2/7/2022 9:00	2/7/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.58	44.885134	-4.324714	-3.369319
2/7/2022 10:00	2/7/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.31	34.471767	-16.517158	-3.320241
2/7/2022 11:00	2/7/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.17	48.283843	-10.201571	-3.679586
2/7/2022 12:00	2/7/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.44	60.076636	-5.805245	-3.562286
2/7/2022 13:00	2/7/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.14	61.122846	-0.995125	-3.023696
2/7/2022 14:00	2/7/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.38	67.819765	0.115161	-2.674563
2/7/2022 15:00	2/7/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.79	74.484056	1.910494	-2.214771
2/7/2022 16:00	2/7/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.96	62.173936	0.100049	-1.883613
2/7/2022 17:00	2/7/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.8	61.657327	0.092048	-2.230555
2/7/2022 18:00	2/7/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.68	61.945031	-0.190168	-2.547301
2/7/2022 19:00	2/7/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.03	48.492532	-6.949592	-2.587876
2/7/2022 20:00	2/7/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.09	54.453988	-1.899691	-2.735488
2/7/2022 21:00	2/7/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.71	45.842791	-20.435084	-3.431291
2/7/2022 22:00	2/7/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.18	62.061548	0.05495	-3.176735
2/7/2022 23:00	2/7/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.53	74.655038	4.324718	-3.198846
2/8/2022 0:00	2/7/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.88	63.781701	0.445111	-2.543411
2/8/2022 1:00	2/7/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.01	81.722942	4.512064	-2.803289
2/8/2022 2:00	2/7/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.94	81.608675	5.376492	-2.706151
2/8/2022 3:00	2/7/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.12	71.523131	7.69344	-2.287809
2/8/2022 4:00	2/7/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.65	56.081025	2.101431	-1.667906
2/8/2022 5:00	2/8/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.52	48.103468	-0.937205	-1.481827
2/8/2022 6:00	2/8/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.34	45.330227	-0.702446	-1.30566
2/8/2022 7:00	2/8/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.06	48.401473	-1.02895	-1.625411
2/8/2022 8:00	2/8/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.24	47.078424	-0.488517	-1.671393
2/8/2022 9:00	2/8/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.14	53.174755	-1.181147	-1.787432
2/8/2022 10:00	2/8/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.05	50.792298	-0.463459	-1.790909
2/8/2022 11:00	2/8/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.98	64.349215	-0.782327	-2.849292
2/8/2022 12:00	2/8/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.01	106.951769	9.761163	-4.816894
2/8/2022 13:00	2/8/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.15	62.264526	1.966078	-2.849052
2/8/2022 14:00	2/8/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.14	49.97461	1.792493	-1.953717
2/8/2022 15:00	2/8/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.68	40.342534	1.889028	-1.229828
2/8/2022 16:00	2/8/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.46	35.920595	0.434876	-0.975115
2/8/2022 17:00	2/8/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.04	35.538359	0.320663	-0.819804
2/8/2022 18:00	2/8/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.09	34.423423	0.306945	-0.975188
2/8/2022 19:00	2/8/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.75	32.66784	0.070896	-1.155556
2/8/2022 20:00	2/8/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.31	31.722153	-0.277272	-1.311409
2/8/2022 21:00	2/8/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.39	34.120104	0.581724	-1.854954
2/8/2022 22:00	2/8/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.37	36.422178	0.231464	-2.183453
2/8/2022 23:00	2/8/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.8	45.602737	5.17862	-2.371717
2/9/2022 0:00	2/8/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.63	36.617755	-1.600369	-2.408543
2/9/2022 1:00	2/8/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.44	32.463296	-3.714038	-2.262667
2/9/2022 2:00	2/8/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.91	27.990206	-6.708417	-2.208043
2/9/2022 3:00	2/8/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.7	27.317722	-4.342954	-2.03849
2/9/2022 4:00	2/8/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.39	26.508102	-5.820337	-2.059061
2/9/2022 5:00	2/9/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.28	35.088346	-2.012709	-2.178945
2/9/2022 6:00	2/9/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.13	35.81748	-2.286945	-2.020574
2/9/2022 7:00	2/9/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.5	35.310252	-1.214687	-1.975894
2/9/2022 8:00	2/9/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.86	36.600903	-1.209313	-2.048118
2/9/2022 9:00	2/9/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.8	42.256155	-0.974447	-2.564398
2/9/2022 10:00	2/9/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.46	42.891889	-1.701472	-2.864973
2/9/2022 11:00	2/9/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.5	48.699707	-11.270234	-4.52506
2/9/2022 12:00	2/9/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.85	43.670359	-24.193379	-4.987929
2/9/2022 13:00	2/9/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.33	36.940942	-0.044779	-2.345113
2/9/2022 14:00	2/9/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.41	32.876966	0.039359	-1.57656
2/9/2022 15:00	2/9/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.24	29.244416	0.061709	-1.053127
2/9/2022 16:00	2/9/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.63	30.394734	0.553625	-0.790557
2/9/2022 17:00	2/9/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.24	28.575538	0.115218	-0.778847
2/9/2022 18:00	2/9/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.09	27.313097	0.059431	-0.836334
2/9/2022 19:00	2/9/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.12	26.311433	0.035276	-0.838843
2/9/2022 20:00	2/9/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.62	25.781261	0.006618	-0.84869
2/9/2022 21:00	2/9/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.24	28.43875	0.167632	-0.970549
2/9/2022 22:00	2/9/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.51	31.788805	0.503609	-1.223972
2/9/2022 23:00	2/9/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.76	35.348634	0.99054	-1.39774
2/10/2022 0:00	2/9/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.24	32.559357	-0.383476	-1.295501
2/10/2022 1:00	2/9/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.44	30.31662	-0.859648	-1.266232
2/10/2022 2:00	2/9/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.88	29.629081	-0.166896	-1.086523
2/10/2022 3:00	2/9/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.11	29.127555	0.014651	-0.994597
2/10/2022 4:00	2/9/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.66	27.100875	-0.439895	-1.12173
2/10/2022 5:00	2/10/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.32	27.205555	0.164373	-1.277984
2/10/2022 6:00	2/10/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.81	26.046626	-0.529412	-1.238129

2/10/2022 7:00	2/10/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.77	25.744059	-0.830958	-1.189983
2/10/2022 8:00	2/10/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.38	30.948786	2.916786	-1.348833
2/10/2022 9:00	2/10/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.16	25.63946	-1.298701	-1.218507
2/10/2022 10:00	2/10/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.23	28.531966	-1.40059	-1.299111
2/10/2022 11:00	2/10/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.48	35.668711	-2.259068	-1.550555
2/10/2022 12:00	2/10/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.2	37.958075	-0.81111	-1.426649
2/10/2022 13:00	2/10/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.17	38.420104	1.891878	-0.640108
2/10/2022 14:00	2/10/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.35	31.550555	0.274914	-0.071858
2/10/2022 15:00	2/10/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.73	28.980864	0.022352	0.233512
2/10/2022 16:00	2/10/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.59	30.296402	0.291257	0.418478
2/10/2022 17:00	2/10/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29	29.454981	0.115004	0.34081
2/10/2022 18:00	2/10/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.55	28.871169	0.035213	0.285123
2/10/2022 19:00	2/10/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.79	27.989206	0.007876	0.192997
2/10/2022 20:00	2/10/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.43	26.531823	0.003899	0.097925
2/10/2022 21:00	2/10/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.05	27.116401	0.040515	0.026719
2/10/2022 22:00	2/10/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.64	33.790948	1.317581	-0.161633
2/10/2022 23:00	2/10/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.16	33.298728	0.448828	-0.305934
2/11/2022 0:00	2/10/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.78	40.522493	2.051449	-0.305624
2/11/2022 1:00	2/10/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.95	37.139554	1.586215	-0.394162
2/11/2022 2:00	2/10/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.65	30.290173	-0.768688	-0.586973
2/11/2022 3:00	2/10/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.24	25.049953	-2.54301	-0.647036
2/11/2022 4:00	2/10/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.57	29.61503	0.773507	-0.730143
2/11/2022 5:00	2/11/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.44	30.94079	1.314629	-0.80884
2/11/2022 6:00	2/11/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.94	28.673282	-2.617743	-0.648975
2/11/2022 7:00	2/11/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.86	25.637206	-3.495877	-0.721917
2/11/2022 8:00	2/11/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.5	26.659595	-3.031787	-0.806952
2/11/2022 9:00	2/11/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.68	25.601304	-4.074287	-1.005242
2/11/2022 10:00	2/11/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.61	27.972003	-5.295213	-1.34445
2/11/2022 11:00	2/11/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.58	50.623088	-6.309109	-2.644471
2/11/2022 12:00	2/11/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.19	41.981524	-3.112004	-2.098973
2/11/2022 13:00	2/11/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.08	32.248734	-2.558418	-1.276182
2/11/2022 14:00	2/11/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.29	26.527026	-2.034282	-0.727025
2/11/2022 15:00	2/11/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.45	27.814333	-1.235088	-0.401413
2/11/2022 16:00	2/11/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.4	27.263907	-1.081036	-0.056724
2/11/2022 17:00	2/11/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.62	27.617457	-1.057723	0.056846
2/11/2022 18:00	2/11/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.89	26.964722	-0.899175	-0.026103
2/11/2022 19:00	2/11/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.42	24.6774	-1.597225	-0.142042
2/11/2022 20:00	2/11/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.03	25.851192	-1.004957	-0.175518
2/11/2022 21:00	2/11/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.82	27.687594	-0.802264	-0.329309
2/11/2022 22:00	2/11/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.92	30.005346	-1.397436	-0.519718
2/11/2022 23:00	2/11/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.31	31.032264	-1.580831	-0.691906
2/12/2022 0:00	2/11/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.72	26.95825	-1.270691	-0.487726
2/12/2022 1:00	2/11/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.76	26.178758	-2.10101	-0.475232
2/12/2022 2:00	2/11/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.02	26.733288	-1.813073	-0.470306
2/12/2022 3:00	2/11/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.56	23.254107	-1.811473	-0.495254
2/12/2022 4:00	2/11/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.68	22.973428	-2.066983	-0.643755
2/12/2022 5:00	2/12/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.25	21.683314	-1.914522	-0.648832
2/12/2022 6:00	2/12/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.19	22.071134	-2.57392	-0.549113
2/12/2022 7:00	2/12/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.49	21.951192	-2.027181	-0.51246
2/12/2022 8:00	2/12/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.82	22.589765	-1.762175	-0.463894
2/12/2022 9:00	2/12/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.1	23.857047	-1.878306	-0.367146
2/12/2022 10:00	2/12/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.34	28.421508	-0.528362	-0.390964
2/12/2022 11:00	2/12/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.97	30.654956	0	-0.315044
2/12/2022 12:00	2/12/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.34	31.125728	0	-0.218439
2/12/2022 13:00	2/12/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.59	31.633819	0	0.044652
2/12/2022 14:00	2/12/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.44	31.805874	0	0.367541
2/12/2022 15:00	2/12/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.21	38.962234	0	0.750568
2/12/2022 16:00	2/12/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.98	36.729598	0	0.752098
2/12/2022 17:00	2/12/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.01	34.769674	0	0.763841
2/12/2022 18:00	2/12/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.44	32.16182	0	0.72432
2/12/2022 19:00	2/12/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.66	36.386812	0	0.728478
2/12/2022 20:00	2/12/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.55	36.126513	0	0.579013
2/12/2022 21:00	2/12/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.79	38.357379	0.058514	0.504698
2/12/2022 22:00	2/12/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.84	41.175588	0	0.335588
2/12/2022 23:00	2/12/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.27	43.549133	0	0.282466
2/13/2022 0:00	2/12/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.28	43.674571	0	0.393738
2/13/2022 1:00	2/12/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.77	44.227081	0	0.461248
2/13/2022 2:00	2/12/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.43	42.858174	0	0.431507
2/13/2022 3:00	2/12/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.2	37.490126	0	0.290126
2/13/2022 4:00	2/12/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.88	33.039058	0	0.154891
2/13/2022 5:00	2/13/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.8	33.992223	0	0.193057
2/13/2022 6:00	2/13/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.02	37.293987	0	0.278154
2/13/2022 7:00	2/13/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.54	35.743414	0	0.20008
2/13/2022 8:00	2/13/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.15	35.191966	0	0.043632
2/13/2022 9:00	2/13/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.2	32.196707	0	-0.006627
2/13/2022 10:00	2/13/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.37	29.246814	0	-0.123186
2/13/2022 11:00	2/13/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.01	35.817162	0	-0.192005
2/13/2022 12:00	2/13/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.13	37.826065	0	-0.303102
2/13/2022 13:00	2/13/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.21	40.471703	-0.153333	-0.587464
2/13/2022 14:00	2/13/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.4	41.291513	-0.1823	-0.922854
2/13/2022 15:00	2/13/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.77	43.314944	-0.05	-1.405057
2/13/2022 16:00	2/13/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.67	44.677417	-0.162854	-1.82723
2/13/2022 17:00	2/13/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.83	42.510365	-0.203333	-2.119635
2/13/2022 18:00	2/13/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.72	40.180776	-0.104167	-2.432557
2/13/2022 19:00	2/13/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.76	39.087782	-0.106667	-2.561385
2/13/2022 20:00	2/13/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.02	39.979441	-0.327951	-2.708442
2/13/2022 21:00	2/13/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.98	39.504049	-0.687997	-2.791288
2/13/2022 22:00	2/13/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.84	45.563744	-0.182005	-3.092585
2/13/2022 23:00	2/13/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.89	47.038499	-0.209146	-2.644855
2/14/2022 0:00	2/13/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.02	44.678963	-0.175291	-2.167412
2/14/2022 1:00	2/13/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.69	44.534071	-0.17882	-1.981276
2/14/2022 2:00	2/13/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.67	49.002661	-0.574263	-2.090576
2/14/2022 3:00	2/13/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.01	110.545317	0.127171	-3.591854
2/14/2022 4:00	2/13/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.41	51.491441	-0.437574	-1.482651
2/14/2022 5:00	2/14/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.75	44.909429	-1.272163	-1.569241
2/14/2022 6:00	2/14/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.3	40.575461	-1.94175	-1.782788
2/14/2022 7:00	2/14/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.89	39.891705	-1.092184	-1.909444
2/14/2022 8:00	2/14/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.04	41.175007	-0.957981	-1.908679
2/14/2022 9:00	2/14/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.16	42.693022	-1.597021	-1.871624
2/14/2022 10:00	2/14/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.62	49.322119	-0.095332	-2.206715
2/14/2022 11:00	2/14/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.3	60.910682	-7.083042	-3.303776
2/14/2022 12:00	2/14/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.41	109.099018	-2.464077	-5.847738
2/14/2022 13:00	2/14/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.6	49.541281	-4.326364	-2.734855
2/14/2022 14:00	2/14/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.03	50.650303	0.791756	-2.169787
2/14/2022 15:00	2/14/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.31	83.202352	4.492266	-3.604081
2/14/2022 16:00	2/14/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.55	57.996557	2.399128	-2.948404
2/14/2022 17:00	2/14/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.92	54.800059	1.913026	-3.032968

2/14/2022 18:00	2/14/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.32	42.090832	0.122588	-2.34759
2/14/2022 19:00	2/14/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.33	40.514965	0.323957	-2.138159
2/14/2022 20:00	2/14/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.65	48.194474	1.222317	-2.68201
2/14/2022 21:00	2/14/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.01	55.573431	3.090182	-3.527585
2/14/2022 22:00	2/14/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.62	69.721105	-22.315024	-6.580537
2/14/2022 23:00	2/14/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.45	56.471178	-25.526388	-5.447434
2/15/2022 0:00	2/14/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.4	59.915524	-8.404344	-4.083465
2/15/2022 1:00	2/14/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.5	64.710269	-11.494975	-4.289756
2/15/2022 2:00	2/14/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.49	55.522926	-1.742437	-3.225471
2/15/2022 3:00	2/14/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.34	50.62256	-7.567635	-3.148138
2/15/2022 4:00	2/14/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.25	69.525956	0.167021	-3.892732
2/15/2022 5:00	2/15/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.83	61.66875	-2.060668	-4.097248
2/15/2022 6:00	2/15/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.65	85.107262	-6.333814	-6.205591
2/15/2022 7:00	2/15/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.46	86.870835	-33.797288	-8.796044
2/15/2022 8:00	2/15/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.1	71.535783	-25.338625	-7.226426
2/15/2022 9:00	2/15/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.87	58.400644	-23.004542	-6.463148
2/15/2022 10:00	2/15/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.89	49.898032	-15.876955	-5.110846
2/15/2022 11:00	2/15/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	154.63	89.495388	-53.518586	-11.61436
2/15/2022 12:00	2/15/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.98	90.796845	-35.578852	-9.599304
2/15/2022 13:00	2/15/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.23	72.511727	7.564341	-4.283447
2/15/2022 14:00	2/15/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.11	44.182604	0.657028	-2.580258
2/15/2022 15:00	2/15/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.04	43.282546	1.530716	-2.288169
2/15/2022 16:00	2/15/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.14	43.829996	2.108741	-2.422912
2/15/2022 17:00	2/15/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.21	39.775568	2.778226	-2.214324
2/15/2022 18:00	2/15/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.12	36.257631	1.228363	-2.091566
2/15/2022 19:00	2/15/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.39	33.938608	1.60788	-2.058438
2/15/2022 20:00	2/15/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.42	30.74922	1.495771	-2.169051
2/15/2022 21:00	2/15/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.73	25.907133	-10.775825	-3.048708
2/15/2022 22:00	2/15/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.9	31.05342	-8.292852	-3.552895
2/15/2022 23:00	2/15/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.5	41.002325	-15.400784	-5.092725
2/16/2022 0:00	2/15/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.46	39.042616	-4.489515	-3.927035
2/16/2022 1:00	2/15/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.16	39.541631	-8.471506	-4.145197
2/16/2022 2:00	2/15/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.67	35.874387	-4.060342	-3.732772
2/16/2022 3:00	2/15/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.26	32.621389	-2.436696	-3.204414
2/16/2022 4:00	2/15/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.86	31.151082	-4.317008	-3.390244
2/16/2022 5:00	2/16/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.34	35.625631	-0.373738	-3.341464
2/16/2022 6:00	2/16/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.92	38.247533	3.41971	-3.09051
2/16/2022 7:00	2/16/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.65	34.707207	0.154189	-3.096982
2/16/2022 8:00	2/16/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.46	36.670349	2.359067	-3.150384
2/16/2022 9:00	2/16/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.6	31.695336	-2.600589	-3.305741
2/16/2022 10:00	2/16/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.65	27.98373	-9.155117	-3.511987
2/16/2022 11:00	2/16/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.52	32.893654	-18.04983	-4.57235
2/16/2022 12:00	2/16/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.24	40.188934	-42.111348	-6.938052
2/16/2022 13:00	2/16/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.59	47.295676	0.397387	-3.687544
2/16/2022 14:00	2/16/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.8	26.161208	-2.368503	-2.269455
2/16/2022 15:00	2/16/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.56	25.089241	-0.89721	-1.572716
2/16/2022 16:00	2/16/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.88	27.42727	-0.196585	-1.257812
2/16/2022 17:00	2/16/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.44	26.550599	-0.739877	-1.152857
2/16/2022 18:00	2/16/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.29	26.75613	-0.428535	-1.101168
2/16/2022 19:00	2/16/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.62	27.178155	-0.203219	-1.23446
2/16/2022 20:00	2/16/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.25	25.887641	-0.99017	-1.369689
2/16/2022 21:00	2/16/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.01	25.585203	-1.185415	-1.240215
2/16/2022 22:00	2/16/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.56	35.185585	-7.249294	-2.128454
2/16/2022 23:00	2/16/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.66	40.260424	-16.175537	-3.221539
2/17/2022 0:00	2/16/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.05	28.434234	-2.917952	-1.694481
2/17/2022 1:00	2/16/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.97	25.920151	-2.600448	-1.444401
2/17/2022 2:00	2/16/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.96	25.297075	-2.19244	-1.467151
2/17/2022 3:00	2/16/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.62	23.342414	-3.737974	-1.539612
2/17/2022 4:00	2/16/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.75	19.305899	-5.864136	-1.575799
2/17/2022 5:00	2/17/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.76	24.698594	-1.676645	-1.383094
2/17/2022 6:00	2/17/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.52	24.954957	-1.449103	-1.115107
2/17/2022 7:00	2/17/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.35	24.337931	-1.985888	-1.027013
2/17/2022 8:00	2/17/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.95	23.771553	-2.12427	-1.054177
2/17/2022 9:00	2/17/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.39	24.193924	-1.16235	-1.03706
2/17/2022 10:00	2/17/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.05	24.446161	-2.544294	-1.057879
2/17/2022 11:00	2/17/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.28	34.106138	-6.912105	-1.26509
2/17/2022 12:00	2/17/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.06	34.926071	-4.997275	-1.134987
2/17/2022 13:00	2/17/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.71	32.617955	-1.539555	-0.556657
2/17/2022 14:00	2/17/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.12	32.644006	-2.008911	-0.468749
2/17/2022 15:00	2/17/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.61	39.035229	-2.027523	-0.548915
2/17/2022 16:00	2/17/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.6	33.623995	-1.714722	-0.265451
2/17/2022 17:00	2/17/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.91	43.954783	0.010292	0.039491
2/17/2022 18:00	2/17/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.89	53.501667	5.54857	0.066431
2/17/2022 19:00	2/17/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.68	40.194719	0.605611	-0.085892
2/17/2022 20:00	2/17/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.83	42.227311	-0.368381	-0.234309
2/17/2022 21:00	2/17/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.53	43.361501	0	-0.166832
2/17/2022 22:00	2/17/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.99	62.480116	-0.324479	-0.185405
2/17/2022 23:00	2/17/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.6	51.286802	-0.213779	-0.097752
2/18/2022 0:00	2/17/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.54	47.896732	1.096315	0.26375
2/18/2022 1:00	2/17/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.82	44.427155	-0.632535	0.24469
2/18/2022 2:00	2/17/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.6	39.513772	-2.403729	0.319168
2/18/2022 3:00	2/17/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.78	51.562159	-3.655863	0.436356
2/18/2022 4:00	2/17/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.15	36.954054	-2.24514	0.048361
2/18/2022 5:00	2/18/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.97	38.695214	-2.125412	-0.152707
2/18/2022 6:00	2/18/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.93	42.192883	-0.795231	0.058114
2/18/2022 7:00	2/18/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.93	56.130717	0	0.200717
2/18/2022 8:00	2/18/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.52	34.059305	-0.696413	0.237384
2/18/2022 9:00	2/18/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.63	34.084437	0	0.454437
2/18/2022 10:00	2/18/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.08	84.508983	7.2373	2.196683
2/18/2022 11:00	2/18/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.15	98.475062	9.948515	2.37738
2/18/2022 12:00	2/18/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.55	56.138422	4.527638	1.064952
2/18/2022 13:00	2/18/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.16	75.209783	5.900345	1.153604
2/18/2022 14:00	2/18/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.58	54.333609	2.227271	0.525505
2/18/2022 15:00	2/18/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.01	43.220586	-1.048593	0.256679
2/18/2022 16:00	2/18/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.24	39.56623	-0.72336	0.048756
2/18/2022 17:00	2/18/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.38	35.739092	-0.432927	-0.209648
2/18/2022 18:00	2/18/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.19	34.460856	-0.268658	-0.460486
2/18/2022 19:00	2/18/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.14	33.031169	-0.458449	-0.650383
2/18/2022 20:00	2/18/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.48	31.786527	-0.926144	-0.763162
2/18/2022 21:00	2/18/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.44	31.693009	-0.655487	-1.090671
2/18/2022 22:00	2/18/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.08	39.205066	-0.148503	-1.730596
2/18/2022 23:00	2/18/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.54	39.942472	-1.62722	-1.965308
2/19/2022 0:00	2/18/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.58	41.593578	-2.934409	-2.047846
2/19/2022 1:00	2/18/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.59	40.455039	-2.094443	-2.044685
2/19/2022 2:00	2/18/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.69	43.468096	-3.788708	-2.433196
2/19/2022 3:00	2/18/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43	37.919428	-3.057929	-2.025977
2/19/2022 4:00	2/18/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.93	33.624096	-3.376201	-1.933037

2/19/2022 5:00	2/19/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.26	33.147626	-3.18821	-1.924998
2/19/2022 6:00	2/19/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.36	36.533175	-2.699097	-2.123561
2/19/2022 7:00	2/19/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.23	38.016253	-3.854824	-2.362257
2/19/2022 8:00	2/19/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.77	36.996042	-3.487909	-2.284383
2/19/2022 9:00	2/19/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.23	36.201709	-3.843707	-2.18875
2/19/2022 10:00	2/19/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.96	38.376422	-4.09462	-2.485624
2/19/2022 11:00	2/19/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.29	39.243307	-3.398795	-2.643731
2/19/2022 12:00	2/19/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.58	36.071935	-4.124752	-2.385813
2/19/2022 13:00	2/19/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.55	34.453369	-2.271829	-1.823968
2/19/2022 14:00	2/19/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.76	35.50282	-1.708737	-1.543443
2/19/2022 15:00	2/19/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.51	46.811515	-1.736487	-1.957831
2/19/2022 16:00	2/19/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.5	53.475615	0	-2.023552
2/19/2022 17:00	2/19/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.85	44.143744	-0.319792	-1.385631
2/19/2022 18:00	2/19/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.2	36.713097	0.412246	-0.894148
2/19/2022 19:00	2/19/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.23	34.852466	-0.527283	-0.846917
2/19/2022 20:00	2/19/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.33	34.401179	-0.044952	-0.881369
2/19/2022 21:00	2/19/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.19	35.377331	0	-0.81517
2/19/2022 22:00	2/19/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.59	52.856168	0	-1.737166
2/19/2022 23:00	2/19/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.75	55.42506	-0.493242	-1.827531
2/20/2022 0:00	2/19/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.23	63.949525	-0.929422	-2.346053
2/20/2022 1:00	2/19/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.75	54.464501	-3.976632	-2.304701
2/20/2022 2:00	2/19/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.35	43.485935	-1.093651	-1.77458
2/20/2022 3:00	2/19/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.24	56.564521	-2.857813	-2.819332
2/20/2022 4:00	2/19/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.69	38.707737	-1.727305	-2.254958
2/20/2022 5:00	2/20/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.89	39.039843	-0.574277	-2.279213
2/20/2022 6:00	2/20/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.34	38.519324	-2.3468	-2.470542
2/20/2022 7:00	2/20/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.85	36.106353	-4.124892	-2.613755
2/20/2022 8:00	2/20/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.38	34.001757	-4.648103	-2.734307
2/20/2022 9:00	2/20/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.87	31.19798	-7.854717	-2.817302
2/20/2022 10:00	2/20/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.28	32.301033	-5.130368	-2.851932
2/20/2022 11:00	2/20/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.52	33.833436	-5.549181	-3.135717
2/20/2022 12:00	2/20/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.3	33.757518	-11.030578	-3.512737
2/20/2022 13:00	2/20/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.17	27.425076	-5.455109	-2.287315
2/20/2022 14:00	2/20/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.44	28.637759	-3.77683	-2.023744
2/20/2022 15:00	2/20/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.21	28.924741	-3.387027	-1.897398
2/20/2022 16:00	2/20/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.36	25.373858	-3.211686	-1.77779
2/20/2022 17:00	2/20/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.42	26.910179	-1.841267	-1.670221
2/20/2022 18:00	2/20/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.09	25.547644	-1.884715	-1.657641
2/20/2022 19:00	2/20/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.15	24.501062	-2.035546	-1.610892
2/20/2022 20:00	2/20/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.5	23.365514	-2.46377	-1.667383
2/20/2022 21:00	2/20/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.92	20.639403	-5.566534	-1.712397
2/20/2022 22:00	2/20/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.69	23.540546	-6.217082	-1.929872
2/20/2022 23:00	2/20/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.55	34.213998	-2.833613	-2.50239
2/21/2022 0:00	2/20/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.45	38.508663	-1.363148	-2.573189
2/21/2022 1:00	2/20/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.34	36.980609	-0.952165	-2.403893
2/21/2022 2:00	2/20/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.77	35.033383	-1.263757	-2.468693
2/21/2022 3:00	2/20/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.87	32.330609	-1.292543	-2.241848
2/21/2022 4:00	2/20/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.57	28.756251	-1.789419	-2.027664
2/21/2022 5:00	2/21/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.24	34.34433	-0.680387	-2.216949
2/21/2022 6:00	2/21/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.01	35.088378	-0.692987	-2.226136
2/21/2022 7:00	2/21/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.41	31.483502	-0.998538	-1.929627
2/21/2022 8:00	2/21/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.53	30.271964	-1.500342	-1.756861
2/21/2022 9:00	2/21/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.09	33.988354	-1.306006	-1.79564
2/21/2022 10:00	2/21/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.43	41.388495	0.059606	-2.09861
2/21/2022 11:00	2/21/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.51	62.302394	3.891277	-3.093883
2/21/2022 12:00	2/21/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42	40.100908	0.004707	-1.905466
2/21/2022 13:00	2/21/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.33	36.113822	0.099042	-1.315219
2/21/2022 14:00	2/21/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.41	35.134994	0.521511	-0.799017
2/21/2022 15:00	2/21/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.23	33.689414	-0.142748	-0.400338
2/21/2022 16:00	2/21/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.66	36.533309	-0.001388	-0.124469
2/21/2022 17:00	2/21/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.29	34.736509	0.385707	0.060802
2/21/2022 18:00	2/21/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.09	33.653858	-0.361734	-0.069409
2/21/2022 19:00	2/21/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.27	30.130748	-0.742756	-0.39983
2/21/2022 20:00	2/21/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.42	28.970001	-0.773158	-0.673507
2/21/2022 21:00	2/21/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.59	33.181479	-1.441503	-0.964517
2/21/2022 22:00	2/21/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.16	32.921192	-1.837448	-1.398027
2/21/2022 23:00	2/21/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.4	46.655263	-0.848305	-1.894765
2/22/2022 0:00	2/21/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.58	33.00323	-1.055173	-1.525764
2/22/2022 1:00	2/21/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.53	30.920559	-1.243578	-1.36753
2/22/2022 2:00	2/21/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.79	30.727739	-0.766333	-1.300095
2/22/2022 3:00	2/21/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.64	31.810795	-1.476696	-1.356676
2/22/2022 4:00	2/21/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.94	32.243632	-1.266595	-1.430606
2/22/2022 5:00	2/22/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.53	28.467117	-0.221981	-0.836735
2/22/2022 6:00	2/22/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.95	29.867426	-0.381409	-0.702832
2/22/2022 7:00	2/22/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.92	28.839051	-0.463526	-0.619923
2/22/2022 8:00	2/22/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.47	29.878724	0.15336	-0.747136
2/22/2022 9:00	2/22/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.28	27.412463	-0.100596	-0.766108
2/22/2022 10:00	2/22/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.26	28.363847	-0.166286	-0.7307
2/22/2022 11:00	2/22/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.17	38.535732	1.407345	-1.040779
2/22/2022 12:00	2/22/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.89	50.519721	5.545815	-0.916094
2/22/2022 13:00	2/22/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.58	43.340057	1.285014	-0.524123
2/22/2022 14:00	2/22/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.18	62.072765	0.171928	-0.274163
2/22/2022 15:00	2/22/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.99	47.755565	0.689031	0.081534
2/22/2022 16:00	2/22/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.53	88.509544	0.792275	0.183936
2/22/2022 17:00	2/22/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.3	45.272611	1.288063	-0.312952
2/22/2022 18:00	2/22/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.6	41.5416	1.40756	-0.462627
2/22/2022 19:00	2/22/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.63	38.329692	1.372538	-0.677013
2/22/2022 20:00	2/22/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.92	35.40027	1.216967	-0.734197
2/22/2022 21:00	2/22/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.55	37.773928	2.05608	-0.829653
2/22/2022 22:00	2/22/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.11	39.606254	2.562746	-1.062325
2/22/2022 23:00	2/22/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.4	48.026493	4.935774	-1.305114
2/23/2022 0:00	2/22/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.69	42.360186	3.699344	-1.027492
2/23/2022 1:00	2/22/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.26	35.47673	2.020862	-0.807465
2/23/2022 2:00	2/22/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.65	33.75401	0.6888	-0.58229
2/23/2022 3:00	2/22/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.93	33.485967	1.030028	-0.471561
2/23/2022 4:00	2/22/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.58	30.401526	0.137041	-0.311348
2/23/2022 5:00	2/23/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.65	34.082629	0.539734	-0.111272
2/23/2022 6:00	2/23/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.92	37.825357	1.020642	-0.113618
2/23/2022 7:00	2/23/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.07	31.495388	0.494848	-0.068626
2/23/2022 8:00	2/23/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.13	33.899342	0.864623	-0.091948
2/23/2022 9:00	2/23/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.88	30.151307	0.209068	0.066405
2/23/2022 10:00	2/23/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.1	47.443803	2.060246	0.280224
2/23/2022 11:00	2/23/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.92	52.938489	4.386512	0.636976
2/23/2022 12:00	2/23/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.91	61.472609	4.59352	0.967423
2/23/2022 13:00	2/23/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.85	57.70526	3.785492	1.073935
2/23/2022 14:00	2/23/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.36	46.857274	2.62667	0.868104
2/23/2022 15:00	2/23/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.27	57.921883	4.347781	1.309102

2/23/2022 16:00	2/23/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.94	48.557783	2.413334	1.208616
2/23/2022 17:00	2/23/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.97	120.57516	14.908513	3.69748
2/23/2022 18:00	2/23/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.79	70.518129	7.47258	2.259716
2/23/2022 19:00	2/23/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.67	59.512541	5.978974	1.861901
2/23/2022 20:00	2/23/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.7	57.139572	6.677399	1.759673
2/23/2022 21:00	2/23/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.2	73.353232	10.064096	2.08497
2/23/2022 22:00	2/23/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.51	65.905271	5.848705	1.544066
2/23/2022 23:00	2/23/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.04	72.453205	5.546354	1.865184
2/24/2022 0:00	2/23/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.68	68.221816	7.829449	1.712367
2/24/2022 1:00	2/23/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.65	55.96441	4.895894	1.423516
2/24/2022 2:00	2/23/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.06	51.376005	4.019052	1.296953
2/24/2022 3:00	2/23/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.39	56.620142	4.917988	1.312987
2/24/2022 4:00	2/23/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.92	38.123884	1.526766	0.679618
2/24/2022 5:00	2/24/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.15	34.501982	0.920115	0.431867
2/24/2022 6:00	2/24/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.25	40.309779	1.467045	0.591067
2/24/2022 7:00	2/24/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.94	40.309997	1.769084	0.598412
2/24/2022 8:00	2/24/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.09	36.999248	1.478708	0.433874
2/24/2022 9:00	2/24/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.59	39.666073	1.80204	0.274866
2/24/2022 10:00	2/24/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.27	58.309349	6.923221	0.111962
2/24/2022 11:00	2/24/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.81	45.697281	3.36261	-0.472829
2/24/2022 12:00	2/24/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.85	50.712789	-6.17738	-0.954831
2/24/2022 13:00	2/24/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.75	41.122134	-1.855883	-0.774482
2/24/2022 14:00	2/24/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.44	52.915404	2.165971	-0.6939
2/24/2022 15:00	2/24/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.41	77.821385	-4.560818	-1.022797
2/24/2022 16:00	2/24/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.43	75.579203	-6.812534	-1.041596
2/24/2022 17:00	2/24/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.29	51.598674	1.070209	-0.761534
2/24/2022 18:00	2/24/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.35	59.42386	0.218369	-1.148676
2/24/2022 19:00	2/24/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.14	60.28878	-5.664997	-1.186223
2/24/2022 20:00	2/24/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.66	85.929781	-10.458869	-1.274683
2/24/2022 21:00	2/24/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.29	45.910007	-1.525098	-0.856562
2/24/2022 22:00	2/24/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.53	55.074824	-6.49854	-1.957469
2/24/2022 23:00	2/24/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.97	57.457523	-4.534221	-1.974923
2/25/2022 0:00	2/24/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.63	80.345959	4.078104	-1.363811
2/25/2022 1:00	2/24/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.09	65.944661	1.837782	-0.980621
2/25/2022 2:00	2/24/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.77	104.832255	4.994687	-0.929932
2/25/2022 3:00	2/24/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.3	54.969079	-8.704853	-0.621068
2/25/2022 4:00	2/24/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.98	41.2183	-5.151034	-0.606499
2/25/2022 5:00	2/25/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.9	41.290843	-1.266938	-0.338053
2/25/2022 6:00	2/25/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.34	47.265932	-1.539941	-0.53246
2/25/2022 7:00	2/25/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.53	42.682448	-0.393002	-0.452884
2/25/2022 8:00	2/25/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.71	42.837192	-1.504841	-0.372134
2/25/2022 9:00	2/25/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.66	42.185057	-1.151943	-0.318833
2/25/2022 10:00	2/25/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.26	65.860707	3.113325	-0.516785
2/25/2022 11:00	2/25/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.24	47.05135	-1.60332	-0.586163
2/25/2022 12:00	2/25/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.49	63.922586	0.918262	-0.486509
2/25/2022 13:00	2/25/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.21	97.143409	3.651019	-0.718444
2/25/2022 14:00	2/25/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.69	73.007616	2.151786	-0.836671
2/25/2022 15:00	2/25/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.73	73.207474	2.581151	-1.106177
2/25/2022 16:00	2/25/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.89	58.776649	2.70015	-0.811834
2/25/2022 17:00	2/25/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.44	49.826937	1.795948	-0.412344
2/25/2022 18:00	2/25/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.27	44.434915	2.190462	-0.027214
2/25/2022 19:00	2/25/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.99	42.49298	1.292953	0.210027
2/25/2022 20:00	2/25/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.53	45.038344	1.214014	0.29683
2/25/2022 21:00	2/25/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.75	49.871401	2.182034	-0.057299
2/25/2022 22:00	2/25/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.22	51.347556	3.520012	-0.387456
2/25/2022 23:00	2/25/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.82	55.111711	3.972837	-0.677793
2/26/2022 0:00	2/25/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.03	66.04936	6.746659	-0.725631
2/26/2022 1:00	2/25/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.74	54.091177	4.104832	-0.754488
2/26/2022 2:00	2/25/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.03	48.315076	3.004277	-0.720867
2/26/2022 3:00	2/25/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.5	43.978455	2.232662	-0.757541
2/26/2022 4:00	2/25/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.17	47.312584	3.928361	-0.78661
2/26/2022 5:00	2/26/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.78	40.448422	0.374286	-0.704197
2/26/2022 6:00	2/26/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.38	39.96089	0.253182	-0.670625
2/26/2022 7:00	2/26/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.89	39.443133	0.226779	-0.676146
2/26/2022 8:00	2/26/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.06	38.51085	0.239054	-0.789871
2/26/2022 9:00	2/26/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.18	38.538517	0.336802	-0.977452
2/26/2022 10:00	2/26/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.33	39.373662	-0.030148	-0.92119
2/26/2022 11:00	2/26/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.48	44.252726	-0.229572	-0.999369
2/26/2022 12:00	2/26/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.49	43.257949	-0.254247	-0.976971
2/26/2022 13:00	2/26/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.51	43.433538	-0.184934	-0.886529
2/26/2022 14:00	2/26/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.15	43.488458	0.097747	-0.760956
2/26/2022 15:00	2/26/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.25	58.935104	0.703855	-1.022918
2/26/2022 16:00	2/26/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.57	40.15269	0.350745	-0.769721
2/26/2022 17:00	2/26/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.93	38.234691	0.146058	-0.839701
2/26/2022 18:00	2/26/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.68	36.467998	-0.215297	-0.998372
2/26/2022 19:00	2/26/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.16	32.646664	-1.468109	-1.042726
2/26/2022 20:00	2/26/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.12	35.448939	-0.66154	-1.005354
2/26/2022 21:00	2/26/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.63	36.432979	-1.144181	-1.04784
2/26/2022 22:00	2/26/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.06	37.395984	-0.260551	-1.404298
2/26/2022 23:00	2/26/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.84	41.316513	0.03961	-1.562264
2/27/2022 0:00	2/26/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.07	39.553771	-0.096514	-1.418049
2/27/2022 1:00	2/26/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.55	37.189316	-0.915639	-1.440878
2/27/2022 2:00	2/26/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.44	36.789823	-1.248763	-1.398914
2/27/2022 3:00	2/26/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.01	36.347713	-1.219826	-1.444128
2/27/2022 4:00	2/26/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.86	33.921671	-0.337513	-1.60165
2/27/2022 5:00	2/27/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.03	34.083156	-0.218945	-1.730399
2/27/2022 6:00	2/27/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.37	32.6035	-0.188804	-1.580196
2/27/2022 7:00	2/27/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.25	33.792998	0.128111	-1.583446
2/27/2022 8:00	2/27/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.78	33.153554	-0.014071	-1.613209
2/27/2022 9:00	2/27/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.71	33.800119	-0.254894	-1.654987
2/27/2022 10:00	2/27/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.21	32.946942	-1.607822	-1.652735
2/27/2022 11:00	2/27/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.25	35.599433	-1.862641	-1.789592
2/27/2022 12:00	2/27/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.64	36.610477	-1.2067	-1.817823
2/27/2022 13:00	2/27/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.24	35.421918	-1.151646	-1.663103
2/27/2022 14:00	2/27/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.24	36.022749	0.035668	-1.253752
2/27/2022 15:00	2/27/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.58	35.550427	0	-1.032073
2/27/2022 16:00	2/27/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.41	34.567492	-0.054778	-0.78523
2/27/2022 17:00	2/27/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.75	33.753065	-0.255984	-0.73845
2/27/2022 18:00	2/27/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.83	37.00437	0.080878	-0.901508
2/27/2022 19:00	2/27/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.95	29.788854	-0.301796	-0.862683
2/27/2022 20:00	2/27/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.78	29.59656	-0.318774	-0.868832
2/27/2022 21:00	2/27/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.16	29.949326	-0.323507	-0.887999
2/27/2022 22:00	2/27/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.52	33.599659	-0.061288	-0.85822
2/27/2022 23:00	2/27/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.92	39.434356	0.355959	-0.83827
2/28/2022 0:00	2/27/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.84	39.39245	0.273072	-0.716456
2/28/2022 1:00	2/27/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.07	37.995673	-0.343258	-0.734403
2/28/2022 2:00	2/27/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.11	38.24653	-0.212318	-0.649486

2/28/2022 3:00	2/27/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.29	36.295636	-0.346977	-0.644887
2/28/2022 4:00	2/27/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.97	34.399275	0.012465	-0.587357
2/28/2022 5:00	2/28/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.77	33.087106	0.022852	-0.707412
2/28/2022 6:00	2/28/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.91	33.289358	0.007882	-0.631025
2/28/2022 7:00	2/28/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.48	32.852446	-0.055378	-0.57551
2/28/2022 8:00	2/28/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.12	33.219731	-0.193388	-0.709381
2/28/2022 9:00	2/28/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.24	35.858712	-0.748801	-0.632487
2/28/2022 10:00	2/28/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.94	39.496679	-0.982715	-0.463107
2/28/2022 11:00	2/28/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.95	44.876984	-0.171538	-0.905645
2/28/2022 12:00	2/28/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.77	37.141615	-1.822136	-0.807916
2/28/2022 13:00	2/28/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.14	28.553476	-4.127825	-0.457866
2/28/2022 14:00	2/28/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.42	31.096004	-0.997223	-0.322606
2/28/2022 15:00	2/28/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.01	33.574128	-0.013394	-0.419144
2/28/2022 16:00	2/28/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.17	37.348903	0.683262	-0.505192
2/28/2022 17:00	2/28/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.93	32.34372	0.024574	-0.606687
2/28/2022 18:00	2/28/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.74	31.204185	1.335631	-0.868946
2/28/2022 19:00	2/28/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.61	27.474191	-0.333027	-0.802782
2/28/2022 20:00	2/28/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.05	25.34243	-0.755105	-0.954133
2/28/2022 21:00	2/28/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.76	26.896393	0.209157	-1.071098
2/28/2022 22:00	2/28/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.85	34.850518	3.377872	-1.372353
2/28/2022 23:00	2/28/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.05	38.057109	3.756591	-1.746148
3/1/2022 0:00	2/28/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.32	39.133863	-2.375482	-1.805655
3/1/2022 1:00	2/28/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.08	36.165292	-0.035855	-1.878853
3/1/2022 2:00	2/28/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.92	30.40343	-4.799284	-1.716452
3/1/2022 3:00	2/28/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.96	33.424746	-0.811319	-1.720602
3/1/2022 4:00	2/28/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.08	44.369274	12.076993	-1.783552
3/1/2022 5:00	3/1/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.2	37.944979	5.442436	-1.700791
3/1/2022 6:00	3/1/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.88	37.956903	3.56393	-1.482027
3/1/2022 7:00	3/1/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.98	36.162714	3.535227	-1.352513
3/1/2022 8:00	3/1/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.7	32.874072	1.757749	-1.587011
3/1/2022 9:00	3/1/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.17	35.487655	-0.823525	-1.857153
3/1/2022 10:00	3/1/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.51	37.771573	1.128782	-1.862209
3/1/2022 11:00	3/1/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.12	48.494518	6.573506	-2.197321
3/1/2022 12:00	3/1/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.55	53.753345	7.492952	-2.284607
3/1/2022 13:00	3/1/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.64	47.884909	6.695015	-1.445106
3/1/2022 14:00	3/1/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.58	47.213493	6.79908	-1.167253
3/1/2022 15:00	3/1/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.88	41.769824	3.320738	-0.425914
3/1/2022 16:00	3/1/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.56	36.839251	1.533632	-0.253548
3/1/2022 17:00	3/1/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.38	39.866231	3.502271	-0.019373
3/1/2022 18:00	3/1/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.1	40.073775	2.845552	0.129056
3/1/2022 19:00	3/1/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.88	35.323295	1.268398	0.174898
3/1/2022 20:00	3/1/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.45	35.422485	0.823367	0.148285
3/1/2022 21:00	3/1/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.26	35.343442	0.902888	0.176387
3/1/2022 22:00	3/1/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.9	68.52179	3.459298	0.167492
3/1/2022 23:00	3/1/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.27	48.481016	4.268513	-0.056664
3/2/2022 0:00	3/1/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.76	42.702949	1.983136	-0.03602
3/2/2022 1:00	3/1/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.8	44.76548	4.177026	-0.21238
3/2/2022 2:00	3/1/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.3	41.924477	5.961951	-0.341641
3/2/2022 3:00	3/1/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.11	35.371347	2.498376	-0.238697
3/2/2022 4:00	3/1/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.07	36.197959	4.489102	-0.356976
3/2/2022 5:00	3/2/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.24	31.875527	1.704895	-0.070201
3/2/2022 6:00	3/2/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.63	29.946597	0.280048	0.039049
3/2/2022 7:00	3/2/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.74	30.104887	0.31259	0.052298
3/2/2022 8:00	3/2/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.59	29.897481	1.406764	-0.100116
3/2/2022 9:00	3/2/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.8	30.575178	0.841485	-0.067974
3/2/2022 10:00	3/2/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.14	42.756343	4.709735	-0.090892
3/2/2022 11:00	3/2/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.46	55.192649	8.981704	-0.249888
3/2/2022 12:00	3/2/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.29	55.481839	11.436007	-0.243334
3/2/2022 13:00	3/2/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.64	33.531845	-1.307369	0.196714
3/2/2022 14:00	3/2/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.66	35.180905	0.177797	0.339774
3/2/2022 15:00	3/2/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.73	38.211198	-0.165367	0.646565
3/2/2022 16:00	3/2/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.88	35.568319	0.09862	0.592199
3/2/2022 17:00	3/2/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.83	38.424737	0.073673	0.518564
3/2/2022 18:00	3/2/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.44	36.017374	0.190963	0.390577
3/2/2022 19:00	3/2/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.5	35.918052	0	0.418886
3/2/2022 20:00	3/2/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.35	35.635502	-0.033721	0.319223
3/2/2022 21:00	3/2/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.14	35.414171	-0.008995	0.288165
3/2/2022 22:00	3/2/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	166.68	166.805961	0	0.128461
3/2/2022 23:00	3/2/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.03	87.621627	0	-0.40504
3/3/2022 0:00	3/2/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.95	47.800384	0	-0.146283
3/3/2022 1:00	3/2/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.21	35.572288	-0.102042	-0.534836
3/3/2022 2:00	3/2/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.13	31.824339	-0.429841	-0.870821
3/3/2022 3:00	3/2/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.95	28.363888	-0.71718	-0.8706
3/3/2022 4:00	3/2/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.04	27.629952	-0.717196	-0.692018
3/3/2022 5:00	3/3/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.15	29.299221	-0.32795	-0.521162
3/3/2022 6:00	3/3/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.95	29.123873	-0.483736	-0.343224
3/3/2022 7:00	3/3/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.19	29.425202	-0.387095	-0.377704
3/3/2022 8:00	3/3/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.58	29.916493	-0.32308	-0.339594
3/3/2022 9:00	3/3/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.33	28.752233	-0.314058	-0.264542
3/3/2022 10:00	3/3/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.58	34.281884	-0.231604	-0.069846
3/3/2022 11:00	3/3/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.03	67.227873	0.343165	-0.143625
3/3/2022 12:00	3/3/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.75	42.907744	0.379391	-0.225815
3/3/2022 13:00	3/3/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.4	37.593397	0.233349	-0.040786
3/3/2022 14:00	3/3/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.54	36.531751	-0.433183	0.4241
3/3/2022 15:00	3/3/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.81	37.970373	-0.564573	0.724112
3/3/2022 16:00	3/3/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.7	37.187079	-0.302375	0.791954
3/3/2022 17:00	3/3/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.44	40.331803	-0.143988	1.039957
3/3/2022 18:00	3/3/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.26	40.22018	0.126605	0.837742
3/3/2022 19:00	3/3/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.9	38.814055	-0.000144	0.914198
3/3/2022 20:00	3/3/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.84	38.146587	-0.335893	0.64748
3/3/2022 21:00	3/3/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.49	39.806676	-0.242085	0.559594
3/3/2022 22:00	3/3/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.64	42.210603	0.420537	0.1509
3/3/2022 23:00	3/3/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.26	64.052432	2.172807	-0.377042
3/4/2022 0:00	3/3/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.04	45.999548	1.025447	-0.0634
3/4/2022 1:00	3/3/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.56	57.890996	8.358104	-0.027941
3/4/2022 2:00	3/3/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.44	54.418774	2.918381	0.063727
3/4/2022 3:00	3/3/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.13	42.128834	1.151432	-0.149264
3/4/2022 4:00	3/3/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.54	35.486203	0.124562	-0.182526
3/4/2022 5:00	3/4/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.17	34.076362	0.225756	-0.319394
3/4/2022 6:00	3/4/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.21	35.940031	0.077364	-0.348999
3/4/2022 7:00	3/4/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.91	35.201617	-0.214974	-0.492576
3/4/2022 8:00	3/4/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.59	36.727316	-0.187644	-0.676707
3/4/2022 9:00	3/4/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.21	35.14791	-0.353515	-0.708575
3/4/2022 10:00	3/4/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.43	39.89459	-0.622377	-0.915533
3/4/2022 11:00	3/4/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.44	45.61072	-0.073512	-1.751602
3/4/2022 12:00	3/4/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.54	44.118389	0.131957	-1.552735
3/4/2022 13:00	3/4/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.56	38.680369	-0.252727	-0.631071

3/4/2022 14:00	3/4/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.15	38.728507	-0.394517	-0.021976
3/4/2022 15:00	3/4/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.52	39.919709	0	0.396375
3/4/2022 16:00	3/4/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.01	38.641939	0.023007	0.604765
3/4/2022 17:00	3/4/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.65	36.290824	0.069982	0.570009
3/4/2022 18:00	3/4/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.05	35.752687	0.076292	0.624727
3/4/2022 19:00	3/4/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.04	34.142132	-0.400171	0.498969
3/4/2022 20:00	3/4/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.03	31.493182	-0.588341	0.055689
3/4/2022 21:00	3/4/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.65	31.89754	-0.48889	-0.261903
3/4/2022 22:00	3/4/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.44	37.87509	0.008582	-0.577658
3/4/2022 23:00	3/4/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.59	53.647323	1.586305	-1.524815
3/5/2022 0:00	3/4/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.52	38.009822	-1.165046	-1.345965
3/5/2022 1:00	3/4/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.98	37.770098	-0.741588	-1.465815
3/5/2022 2:00	3/4/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.11	34.474352	-1.111616	-1.521533
3/5/2022 3:00	3/4/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.91	31.483999	-0.999585	-1.429749
3/5/2022 4:00	3/4/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.13	31.043607	-0.482384	-1.608176
3/5/2022 5:00	3/5/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.27	39.312858	-0.094216	-1.859593
3/5/2022 6:00	3/5/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.38	35.737049	-0.675792	-1.962992
3/5/2022 7:00	3/5/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.67	37.856113	-0.651981	-2.161072
3/5/2022 8:00	3/5/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.74	32.575279	-0.31978	-1.846608
3/5/2022 9:00	3/5/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.79	34.425124	-0.461265	-1.898612
3/5/2022 10:00	3/5/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.35	41.067727	-0.985664	-2.296609
3/5/2022 11:00	3/5/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.36	36.081063	-2.269351	-2.012919
3/5/2022 12:00	3/5/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.89	35.936369	-2.225963	-1.725168
3/5/2022 13:00	3/5/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.1	31.337677	-2.450065	-1.313925
3/5/2022 14:00	3/5/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.6	35.276026	-0.435109	-0.891365
3/5/2022 15:00	3/5/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.42	40.892504	-0.053551	-0.474779
3/5/2022 16:00	3/5/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.82	33.411213	-0.072189	-0.336598
3/5/2022 17:00	3/5/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.05	31.744589	-0.078917	-0.22566
3/5/2022 18:00	3/5/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.17	30.680119	-0.131544	-0.35667
3/5/2022 19:00	3/5/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.51	29.800931	-0.191517	-0.520885
3/5/2022 20:00	3/5/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.72	30.035189	-0.180154	-0.508824
3/5/2022 21:00	3/5/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.4	31.849372	-0.082038	-0.471924
3/5/2022 22:00	3/5/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.94	33.712192	-1.461122	-0.761687
3/5/2022 23:00	3/5/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.61	38.172878	-0.432213	-1.001576
3/6/2022 0:00	3/5/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.72	38.700292	-0.049509	-0.973532
3/6/2022 1:00	3/5/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.2	34.332185	-0.799914	-1.068734
3/6/2022 2:00	3/5/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.95	30.702469	-1.352241	-0.894457
3/6/2022 3:00	3/5/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.11	27.271529	-1.886765	-0.952539
3/6/2022 4:00	3/5/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.52	28.546657	-1.860346	-1.114663
3/6/2022 5:00	3/6/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.23	30.43119	-0.672218	-1.122426
3/6/2022 6:00	3/6/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.78	26.901811	-0.825158	-1.048864
3/6/2022 7:00	3/6/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.06	21.028476	-3.020789	-1.006568
3/6/2022 8:00	3/6/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.85	20.510957	-3.29552	-1.041024
3/6/2022 9:00	3/6/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.39	19.45721	-3.921042	-1.015914
3/6/2022 10:00	3/6/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.58	20.453927	-3.170549	-0.955524
3/6/2022 11:00	3/6/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.77	21.687495	-3.112851	-0.968821
3/6/2022 12:00	3/6/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.26	26.188307	-2.158454	-0.909905
3/6/2022 13:00	3/6/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.9	30.963821	-0.125032	-0.806147
3/6/2022 14:00	3/6/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.47	28.058544	-1.630416	-0.776873
3/6/2022 15:00	3/6/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.71	31.703911	-0.334504	-0.670751
3/6/2022 16:00	3/6/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.67	32.86407	-0.229159	-0.575104
3/6/2022 17:00	3/6/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.86	33.447583	-0.136741	-0.277343
3/6/2022 18:00	3/6/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.34	30.97422	-0.169212	-0.194902
3/6/2022 19:00	3/6/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.45	32.219359	-0.117316	-0.109992
3/6/2022 20:00	3/6/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.26	34.131683	-0.084121	-0.047529
3/6/2022 21:00	3/6/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.9	38.182645	0.076334	0.202144
3/6/2022 22:00	3/6/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.5	43.909427	1.964389	0.441704
3/6/2022 23:00	3/6/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.2	54.880564	0.045271	0.633626
3/7/2022 0:00	3/6/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.14	43.978516	0.087362	0.751988
3/7/2022 1:00	3/6/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.87	59.49959	2.470566	1.15819
3/7/2022 2:00	3/6/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.35	41.056596	0.831716	0.875714
3/7/2022 3:00	3/6/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.34	34.764977	0.824568	0.597075
3/7/2022 4:00	3/6/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.81	31.068063	0	0.261396
3/7/2022 5:00	3/7/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.23	29.330492	-0.017466	0.119625
3/7/2022 6:00	3/7/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.16	29.19491	-0.173873	0.205449
3/7/2022 7:00	3/7/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.83	28.760002	-0.293765	0.2271
3/7/2022 8:00	3/7/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.41	29.501763	-0.186999	0.277928
3/7/2022 9:00	3/7/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.4	30.77739	-0.039552	0.412775
3/7/2022 10:00	3/7/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.93	36.809128	0.092718	0.783077
3/7/2022 11:00	3/7/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.78	47.016935	0.119678	1.12059
3/7/2022 12:00	3/7/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.01	58.876694	0.566285	1.298742
3/7/2022 13:00	3/7/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.54	45.090517	1.578109	0.977409
3/7/2022 14:00	3/7/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.74	46.887432	1.204238	0.944027
3/7/2022 15:00	3/7/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.79	38.869166	0.711642	0.366691
3/7/2022 16:00	3/7/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.93	35.330191	-0.814221	0.211079
3/7/2022 17:00	3/7/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.12	44.960736	-2.18796	0.027029
3/7/2022 18:00	3/7/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.96	37.265977	-2.56021	-0.13798
3/7/2022 19:00	3/7/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.27	36.123128	-2.931324	-0.217215
3/7/2022 20:00	3/7/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.9	36.382002	-2.192165	-0.325
3/7/2022 21:00	3/7/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.91	38.121147	-2.383029	-0.400824
3/7/2022 22:00	3/7/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.17	42.687471	-1.073149	-0.40938
3/7/2022 23:00	3/7/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.4	72.598799	-0.039123	-0.761245
3/8/2022 0:00	3/7/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.79	55.671359	0	-0.122808
3/8/2022 1:00	3/7/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.68	45.250154	0.099663	0.469658
3/8/2022 2:00	3/7/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.45	44.726113	0.520641	0.753806
3/8/2022 3:00	3/7/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.17	39.98281	0	0.816143
3/8/2022 4:00	3/7/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.48	37.331103	0	0.85527
3/8/2022 5:00	3/8/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.39	40.297185	0	0.908018
3/8/2022 6:00	3/8/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.64	36.699786	0.074	0.982453
3/8/2022 7:00	3/8/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.32	35.374091	0.139188	0.914903
3/8/2022 8:00	3/8/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.45	37.490178	0.010516	1.028829
3/8/2022 9:00	3/8/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.17	39.551579	0.332966	1.048613
3/8/2022 10:00	3/8/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.17	50.785003	4.341222	1.272947
3/8/2022 11:00	3/8/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.19	45.85459	3.670605	0.993152
3/8/2022 12:00	3/8/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.81	53.109361	4.072198	1.227997
3/8/2022 13:00	3/8/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.15	67.452263	5.663143	1.64412
3/8/2022 14:00	3/8/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.52	71.972232	6.389791	2.060774
3/8/2022 15:00	3/8/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.74	64.551508	4.828752	1.986089
3/8/2022 16:00	3/8/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.3	51.849678	3.175307	1.375205
3/8/2022 17:00	3/8/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.64	43.630742	2.001708	0.994033
3/8/2022 18:00	3/8/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.84	50.218468	3.373634	1.003168
3/8/2022 19:00	3/8/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.92	46.407636	2.598875	0.892928
3/8/2022 20:00	3/8/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.66	42.295975	1.730107	0.904201
3/8/2022 21:00	3/8/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.48	42.49721	0.16993	0.848947
3/8/2022 22:00	3/8/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.08	62.609536	-1.115075	0.645445
3/8/2022 23:00	3/8/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.12	77.941946	0.294652	0.530627
3/9/2022 0:00	3/8/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.24	116.714245	12.165326	1.305586

3/9/2022 1:00	3/8/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.22	67.521047	4.440063	0.865984
3/9/2022 2:00	3/8/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.45	61.840058	0.578413	0.815811
3/9/2022 3:00	3/8/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.7	48.709771	-0.75615	0.767587
3/9/2022 4:00	3/8/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.75	39.266592	-0.203817	0.717076
3/9/2022 5:00	3/9/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.92	37.180414	-0.316753	0.573
3/9/2022 6:00	3/9/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.82	36.225538	-0.288163	0.692868
3/9/2022 7:00	3/9/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.32	38.735331	-0.230686	0.648517
3/9/2022 8:00	3/9/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.44	36.316273	-0.674356	0.554796
3/9/2022 9:00	3/9/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.33	38.538929	-0.412817	0.618413
3/9/2022 10:00	3/9/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.52	40.928314	2.018255	0.389226
3/9/2022 11:00	3/9/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.32	41.962835	1.427449	0.212053
3/9/2022 12:00	3/9/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.34	45.541448	0.933743	0.270205
3/9/2022 13:00	3/9/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.82	56.096847	-1.977419	0.2551
3/9/2022 14:00	3/9/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.74	44.976978	-0.823525	0.058837
3/9/2022 15:00	3/9/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.11	48.279718	-0.640795	-0.189486
3/9/2022 16:00	3/9/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.81	41.519001	-0.731042	-0.564123
3/9/2022 17:00	3/9/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.88	42.335609	-0.753333	-0.791892
3/9/2022 18:00	3/9/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.83	41.096643	-0.841886	-0.889805
3/9/2022 19:00	3/9/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.06	35.569058	-0.669779	-0.823663
3/9/2022 20:00	3/9/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.97	36.946743	-0.878735	-1.14619
3/9/2022 21:00	3/9/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.44	33.676864	-0.765876	-0.998093
3/9/2022 22:00	3/9/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.12	32.012683	-0.356619	-0.752364
3/9/2022 23:00	3/9/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.56	43.681897	0.781348	-0.659451
3/10/2022 0:00	3/9/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.6	41.943734	1.642573	-0.295506
3/10/2022 1:00	3/9/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.96	47.950238	2.220946	-0.226541
3/10/2022 2:00	3/9/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.52	58.5817	4.266745	-0.205879
3/10/2022 3:00	3/9/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.77	36.124571	0.470096	-0.111359
3/10/2022 4:00	3/9/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.51	39.241406	0.802056	-0.069817
3/10/2022 5:00	3/10/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.59	41.627203	-11.868215	-0.092082
3/10/2022 6:00	3/10/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.68	38.453745	0.808402	-0.038824
3/10/2022 7:00	3/10/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.26	39.467	0.260589	-0.050256
3/10/2022 8:00	3/10/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.8	39.562189	0.817079	-0.056557
3/10/2022 9:00	3/10/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.23	47.209782	1.821034	0.156249
3/10/2022 10:00	3/10/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.87	48.545847	1.894762	-0.218915
3/10/2022 11:00	3/10/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.53	49.705104	2.400833	-0.222396
3/10/2022 12:00	3/10/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.81	54.308238	2.42543	0.069475
3/10/2022 13:00	3/10/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46	48.348773	1.988476	0.362798
3/10/2022 14:00	3/10/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.6	44.70703	1.508409	0.596121
3/10/2022 15:00	3/10/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.61	46.272836	2.909642	0.75486
3/10/2022 16:00	3/10/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.34	43.452123	3.263762	0.852527
3/10/2022 17:00	3/10/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.65	42.755052	3.151267	0.953785
3/10/2022 18:00	3/10/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.25	40.157233	1.937693	0.966206
3/10/2022 19:00	3/10/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.28	39.818127	1.824729	0.710065
3/10/2022 20:00	3/10/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.35	40.369123	1.496529	0.520094
3/10/2022 21:00	3/10/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.3	37.975269	1.400954	0.279315
3/10/2022 22:00	3/10/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.9	44.328044	2.159435	0.273609
3/10/2022 23:00	3/10/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.22	53.887175	2.705615	-0.03844
3/11/2022 0:00	3/10/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.08	47.050968	1.928057	0.039577
3/11/2022 1:00	3/10/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.01	51.35317	3.168231	0.174107
3/11/2022 2:00	3/10/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.74	47.148976	2.077491	0.331485
3/11/2022 3:00	3/10/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.1	53.18342	2.511016	0.57157
3/11/2022 4:00	3/10/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.96	41.934141	1.438497	0.53231
3/11/2022 5:00	3/11/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.28	39.275949	0.552676	0.441606
3/11/2022 6:00	3/11/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.77	39.629199	0.503142	0.352723
3/11/2022 7:00	3/11/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.38	43.915696	0.100912	0.435617
3/11/2022 8:00	3/11/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.62	47.356461	0.382989	0.353473
3/11/2022 9:00	3/11/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.42	43.335653	0.6415	0.274986
3/11/2022 10:00	3/11/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.24	45.342625	1.014263	0.089195
3/11/2022 11:00	3/11/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.2	48.058721	0.917894	-0.06334
3/11/2022 12:00	3/11/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.92	46.196806	1.041025	0.235781
3/11/2022 13:00	3/11/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.82	43.739711	1.251172	0.667706
3/11/2022 14:00	3/11/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.72	47.632362	2.528502	1.382193
3/11/2022 15:00	3/11/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.76	44.205147	2.100887	1.34426
3/11/2022 16:00	3/11/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.99	43.050993	1.855555	1.205438
3/11/2022 17:00	3/11/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.44	43.341002	1.797809	1.100693
3/11/2022 18:00	3/11/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.78	41.815961	1.179144	0.857651
3/11/2022 19:00	3/11/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.67	36.944059	0.551938	0.726287
3/11/2022 20:00	3/11/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.19	34.626804	-0.060231	0.497035
3/11/2022 21:00	3/11/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.47	37.871703	0.233195	0.166009
3/11/2022 22:00	3/11/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.08	35.429629	-0.691887	0.039016
3/11/2022 23:00	3/11/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.38	43.851652	0.385316	0.083835
3/12/2022 0:00	3/11/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.34	40.503456	0.039467	0.128156
3/12/2022 1:00	3/11/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.21	40.263742	-0.013137	0.065213
3/12/2022 2:00	3/11/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.04	39.798645	-0.224831	-0.016524
3/12/2022 3:00	3/11/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.69	40.010801	-0.545968	-0.129064
3/12/2022 4:00	3/11/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.73	32.185691	-0.388729	-0.157246
3/12/2022 5:00	3/12/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.38	31.017493	-1.331812	-0.027361
3/12/2022 6:00	3/12/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.74	31.986035	-1.926434	0.172469
3/12/2022 7:00	3/12/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.56	32.486386	-1.321174	0.25006
3/12/2022 8:00	3/12/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.16	32.226689	-1.303468	0.366823
3/12/2022 9:00	3/12/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.28	30.512994	-2.166876	0.40487
3/12/2022 10:00	3/12/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.7	32.301977	-1.875554	0.480864
3/12/2022 11:00	3/12/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.71	46.147148	0.514558	0.925924
3/12/2022 12:00	3/12/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.86	66.354832	1.484819	1.013347
3/12/2022 13:00	3/12/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.36	53.873671	-0.437113	-0.04755
3/12/2022 14:00	3/12/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.63	52.958972	-2.699819	-0.969542
3/12/2022 15:00	3/12/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	139.27	128.712769	-7.161385	-3.390845
3/12/2022 16:00	3/12/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.61	53.088961	-4.485987	-2.030052
3/12/2022 17:00	3/12/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.98	66.490645	-5.302706	-3.183316
3/12/2022 18:00	3/12/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.97	58.71071	-3.293716	-2.96974
3/12/2022 19:00	3/12/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.78	51.716092	-3.061507	-3.003234
3/12/2022 20:00	3/12/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.92	47.736099	-5.117318	-3.07075
3/12/2022 21:00	3/12/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.68	43.8607	-4.185039	-2.632595
3/12/2022 22:00	3/12/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.44	45.313932	-4.311881	-2.814187
3/12/2022 23:00	3/12/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.33	73.054327	-2.951106	-4.320401
3/13/2022 0:00	3/12/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	175.19	177.829124	10.873874	-8.233917
3/13/2022 1:00	3/12/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.7	101.528269	3.373611	-4.541175
3/13/2022 2:00	3/12/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.28	65.841874	-1.479488	-2.956139
3/13/2022 3:00	3/12/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.61	80.530725	-3.469601	-3.613841
3/13/2022 4:00	3/12/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.8	86.486123	1.002894	-3.316771
3/13/2022 5:00	3/13/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.92	71.808022	1.598231	-2.710209
3/13/2022 6:00	3/13/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.85	55.230979	2.645657	-2.266344
3/13/2022 7:00	3/13/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.91	51.338353	-6.78036	-2.786287
3/13/2022 8:00	3/13/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.44	45.661794	-3.231241	-2.543632
3/13/2022 9:00	3/13/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.62	39.626671	-1.572181	-2.421981
3/13/2022 10:00	3/13/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.51	41.173155	-9.293951	-3.040394
3/13/2022 11:00	3/13/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.92	65.019358	-3.545291	-4.355351

3/13/2022 12:00	3/13/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.63	45.490827	-2.221504	-2.915169
3/13/2022 13:00	3/13/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.15	39.528942	-3.326527	-2.292865
3/13/2022 14:00	3/13/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.62	48.644289	-0.607267	-2.372611
3/13/2022 15:00	3/13/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.53	39.606344	-2.090628	-1.837194
3/13/2022 16:00	3/13/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.16	38.131416	-2.338286	-1.685299
3/13/2022 17:00	3/13/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.42	36.631942	-2.304202	-1.483023
3/13/2022 18:00	3/13/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.41	35.735065	-2.194125	-1.47581
3/13/2022 19:00	3/13/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.52	34.312765	-0.738649	-1.472752
3/13/2022 20:00	3/13/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.41	38.502552	-0.368604	-1.543011
3/13/2022 21:00	3/13/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.35	36.218434	-0.652659	-1.483074
3/13/2022 22:00	3/13/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.11	40.876196	-0.504435	-1.726035
3/13/2022 23:00	3/13/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.92	58.677919	-0.497469	-2.739611
3/14/2022 0:00	3/13/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.53	88.353471	-0.448362	-3.727334
3/14/2022 1:00	3/13/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.34	79.565827	-0.332235	-3.440271
3/14/2022 2:00	3/13/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.67	39.440661	-2.400765	-1.82774
3/14/2022 3:00	3/13/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.04	34.414436	-1.98139	-1.642508
3/14/2022 4:00	3/14/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.88	35.889457	-2.253846	-1.735864
3/14/2022 5:00	3/14/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.72	36.192812	-0.930803	-1.592219
3/14/2022 6:00	3/14/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.05	36.263491	-2.135016	-1.655659
3/14/2022 7:00	3/14/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.22	34.135957	-1.5981	-1.483442
3/14/2022 8:00	3/14/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.08	37.696915	-3.607471	-1.779781
3/14/2022 9:00	3/14/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.45	40.260638	-3.348238	-1.844458
3/14/2022 10:00	3/14/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.89	75.221672	-2.737698	-3.929797
3/14/2022 11:00	3/14/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.29	75.263254	-4.640151	-4.387428
3/14/2022 12:00	3/14/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.86	44.369613	-4.140089	-2.347798
3/14/2022 13:00	3/14/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.7	43.318737	-1.621508	-1.758922
3/14/2022 14:00	3/14/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.23	42.838882	-0.339629	-1.053157
3/14/2022 15:00	3/14/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.82	36.795258	-0.237627	-0.785449
3/14/2022 16:00	3/14/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.03	35.547474	0.236313	-0.715505
3/14/2022 17:00	3/14/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.71	33.90739	-0.143852	-0.658758
3/14/2022 18:00	3/14/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.44	31.403238	-0.305126	-0.735803
3/14/2022 19:00	3/14/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.82	29.668469	-0.349564	-0.803634
3/14/2022 20:00	3/14/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.01	30.188959	0.083315	-0.899356
3/14/2022 21:00	3/14/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.8	32.477156	1.641351	-0.964195
3/14/2022 22:00	3/14/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.7	34.793023	0.132528	-1.037005
3/14/2022 23:00	3/14/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.82	41.508427	-0.130132	-1.183108
3/15/2022 0:00	3/14/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.15	42.670695	-0.328463	-1.150842
3/15/2022 1:00	3/14/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.35	35.871051	-0.346964	-1.127819
3/15/2022 2:00	3/14/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.25	34.426556	0.200305	-1.026249
3/15/2022 3:00	3/14/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.73	32.947485	1.109079	-0.889095
3/15/2022 4:00	3/15/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.02	31.923088	0.818647	-0.910559
3/15/2022 5:00	3/15/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.15	31.389925	0.021237	-0.783812
3/15/2022 6:00	3/15/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.23	31.847879	0.281116	-0.660737
3/15/2022 7:00	3/15/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.04	32.739042	0.273052	-0.569009
3/15/2022 8:00	3/15/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.21	32.836558	0.223261	-0.600036
3/15/2022 9:00	3/15/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.42	38.360178	0.555173	-0.614995
3/15/2022 10:00	3/15/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.7	49.996671	2.054164	-0.755827
3/15/2022 11:00	3/15/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.19	56.237299	-0.81788	-1.133155
3/15/2022 12:00	3/15/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.11	44.131214	-0.406582	-0.574704
3/15/2022 13:00	3/15/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.79	41.757119	0	-0.036214
3/15/2022 14:00	3/15/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.51	35.092943	0.102767	0.481009
3/15/2022 15:00	3/15/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.99	36.769162	1.072284	0.702711
3/15/2022 16:00	3/15/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.87	34.121382	0.42535	0.829365
3/15/2022 17:00	3/15/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.26	35.059251	0.794458	1.008127
3/15/2022 18:00	3/15/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.21	35.008918	0.87953	0.916888
3/15/2022 19:00	3/15/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.79	34.563918	1.058933	0.719151
3/15/2022 20:00	3/15/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.17	34.768644	1.05191	0.549234
3/15/2022 21:00	3/15/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.6	35.928732	0.911788	0.421111
3/15/2022 22:00	3/15/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.22	38.740608	0.063784	0.461825
3/15/2022 23:00	3/15/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.53	45.939851	-0.019155	0.428172
3/16/2022 0:00	3/15/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.17	45.864969	0.157768	0.540534
3/16/2022 1:00	3/15/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.4	39.554464	0.539246	0.616052
3/16/2022 2:00	3/15/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.3	36.813415	0.808827	0.707087
3/16/2022 3:00	3/15/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.88	34.487233	0.792731	0.817002
3/16/2022 4:00	3/16/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.84	31.696743	0.212014	0.648062
3/16/2022 5:00	3/16/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.41	31.369327	0.269285	0.694209
3/16/2022 6:00	3/16/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.05	31.099875	0.372256	0.682619
3/16/2022 7:00	3/16/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.66	30.445344	0.231611	0.549566
3/16/2022 8:00	3/16/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.9	33.142963	0.634374	0.606923
3/16/2022 9:00	3/16/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.56	51.682821	4.382902	0.737419
3/16/2022 10:00	3/16/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.28	48.391194	2.791915	0.324279
3/16/2022 11:00	3/16/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.57	48.441741	2.677106	0.199635
3/16/2022 12:00	3/16/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.89	53.942173	1.835249	0.221924
3/16/2022 13:00	3/16/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37	38.572114	1.302309	0.274806
3/16/2022 14:00	3/16/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.52	53.268214	11.226881	0.518833
3/16/2022 15:00	3/16/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.79	43.925599	8.48968	0.650918
3/16/2022 16:00	3/16/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.31	41.013119	5.160418	0.540201
3/16/2022 17:00	3/16/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.43	41.578466	7.661181	0.489786
3/16/2022 18:00	3/16/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.49	38.861677	8.015362	0.352981
3/16/2022 19:00	3/16/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.25	40.127196	5.535525	0.339171
3/16/2022 20:00	3/16/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.41	36.470206	4.914911	0.144462
3/16/2022 21:00	3/16/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.71	40.698075	3.788634	0.196941
3/16/2022 22:00	3/16/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.3	39.615379	4.07993	0.235448
3/16/2022 23:00	3/16/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.3	47.596328	0.86124	0.436755
3/17/2022 0:00	3/16/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.18	51.064535	0.267948	0.621587
3/17/2022 1:00	3/16/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.33	41.422676	1.724697	0.372146
3/17/2022 2:00	3/16/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.09	35.941614	1.62975	0.222697
3/17/2022 3:00	3/16/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.29	32.292334	0.813022	0.192645
3/17/2022 4:00	3/17/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.14	30.59719	2.392386	0.062304
3/17/2022 5:00	3/17/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.42	28.24255	1.869982	-0.047432
3/17/2022 6:00	3/17/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.7	24.756351	0.206701	-0.153684
3/17/2022 7:00	3/17/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.05	25.447382	1.66001	-0.266795
3/17/2022 8:00	3/17/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.18	28.03462	3.040172	-0.188885
3/17/2022 9:00	3/17/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.09	28.932792	2.975653	-0.135361
3/17/2022 10:00	3/17/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.53	37.232625	7.784874	-0.084749
3/17/2022 11:00	3/17/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.68	40.175186	4.381098	0.109922
3/17/2022 12:00	3/17/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.02	42.121806	3.944202	0.157603
3/17/2022 13:00	3/17/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.05	45.637341	3.419369	0.163805
3/17/2022 14:00	3/17/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.9	44.76089	1.696217	0.164674
3/17/2022 15:00	3/17/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.21	48.344914	0.890725	0.249189
3/17/2022 16:00	3/17/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.14	43.291733	2.080849	0.070051
3/17/2022 17:00	3/17/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.16	43.773211	0.585659	0.023386
3/17/2022 18:00	3/17/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.59	41.628447	0.007209	0.032071
3/17/2022 19:00	3/17/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.51	38.822512	0.331249	-0.017904
3/17/2022 20:00	3/17/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.47	37.03898	0.604242	-0.039429
3/17/2022 21:00	3/17/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.45	37.087649	1.642412	-0.00643
3/17/2022 22:00	3/17/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.16	39.614272	0.33363	0.118976

3/17/2022 23:00	3/17/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.35	37.423613	0.068983	0.00213
3/18/2022 0:00	3/17/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.3	40.307574	0.935212	0.073196
3/18/2022 1:00	3/17/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.53	37.605505	3.11219	-0.037519
3/18/2022 2:00	3/17/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.21	35.269964	1.193997	-0.136533
3/18/2022 3:00	3/17/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.08	29.372908	0.478394	-0.187152
3/18/2022 4:00	3/18/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.04	29.982448	0.177264	-0.23565
3/18/2022 5:00	3/18/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.03	29.991461	0.076728	-0.117767
3/18/2022 6:00	3/18/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.05	30.524626	1.515543	-0.040084
3/18/2022 7:00	3/18/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.66	31.363096	1.727497	-0.025234
3/18/2022 8:00	3/18/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.18	30.069365	0	-0.114802
3/18/2022 9:00	3/18/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.34	35.922569	1.661187	-0.075285
3/18/2022 10:00	3/18/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.15	67.889254	16.974396	-0.235143
3/18/2022 11:00	3/18/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.22	46.59233	3.960536	-0.591539
3/18/2022 12:00	3/18/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.73	40.418512	1.033092	-0.34208
3/18/2022 13:00	3/18/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.13	40.846776	0.89706	-0.176117
3/18/2022 14:00	3/18/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.57	34.045832	0.604802	-0.123971
3/18/2022 15:00	3/18/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.97	35.674977	0.612391	0.094253
3/18/2022 16:00	3/18/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.83	40.079257	1.096574	0.156849
3/18/2022 17:00	3/18/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.95	48.383504	2.33839	0.092614
3/18/2022 18:00	3/18/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.48	39.758465	1.302599	-0.024967
3/18/2022 19:00	3/18/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.16	38.273859	1.312235	-0.196709
3/18/2022 20:00	3/18/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.21	39.509307	0.647395	-0.343088
3/18/2022 21:00	3/18/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.14	39.208182	-0.601418	-0.334567
3/18/2022 22:00	3/18/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.76	35.41477	-0.084416	-0.264981
3/18/2022 23:00	3/18/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.4	42.396794	0.364221	-0.363261
3/19/2022 0:00	3/18/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.99	39.898803	1.106265	-0.199962
3/19/2022 1:00	3/18/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.06	33.997615	0.987458	-0.054009
3/19/2022 2:00	3/18/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.43	33.801176	0.359863	0.01048
3/19/2022 3:00	3/18/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.18	35.112379	0.774397	0.161315
3/19/2022 4:00	3/19/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.17	29.618621	0.434027	0.01126
3/19/2022 5:00	3/19/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.59	36.444984	1.693933	0.159384
3/19/2022 6:00	3/19/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.01	33.699199	2.529792	0.161907
3/19/2022 7:00	3/19/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.96	30.168427	2.160143	0.048284
3/19/2022 8:00	3/19/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.2	28.088521	1.011535	-0.120514
3/19/2022 9:00	3/19/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.06	23.216536	1.385262	-0.223726
3/19/2022 10:00	3/19/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.39	22.911938	-1.214675	-0.262554
3/19/2022 11:00	3/19/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.48	34.912257	5.627839	-0.196415
3/19/2022 12:00	3/19/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.22	33.108898	1.030565	-0.138334
3/19/2022 13:00	3/19/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.13	32.914324	0.902643	-0.113319
3/19/2022 14:00	3/19/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.2	36.634871	1.573046	-0.135674
3/19/2022 15:00	3/19/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.98	35.288278	1.564594	-0.258816
3/19/2022 16:00	3/19/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.14	30.276019	0.473752	-0.340233
3/19/2022 17:00	3/19/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.12	31.541374	1.689044	-0.271003
3/19/2022 18:00	3/19/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.04	32.82579	4.059871	-0.271581
3/19/2022 19:00	3/19/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.32	30.812074	2.697325	-0.209417
3/19/2022 20:00	3/19/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.89	31.473994	2.867779	-0.281285
3/19/2022 21:00	3/19/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.02	33.766945	1.195287	-0.444175
3/19/2022 22:00	3/19/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.75	33.588624	1.474518	-0.638393
3/19/2022 23:00	3/19/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.06	38.145337	1.654243	-0.56724
3/20/2022 0:00	3/19/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.18	49.293472	2.44769	-0.337551
3/20/2022 1:00	3/19/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.5	43.221666	2.998109	-0.276443
3/20/2022 2:00	3/19/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.07	33.180653	1.383004	-0.269018
3/20/2022 3:00	3/19/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.06	33.20592	1.22138	-0.07796
3/20/2022 4:00	3/20/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.77	47.239829	3.552404	-0.086741
3/20/2022 5:00	3/20/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.75	33.042047	1.2671	0.029948
3/20/2022 6:00	3/20/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.72	29.532389	0.63758	0.170643
3/20/2022 7:00	3/20/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.35	29.348378	0.784053	0.217658
3/20/2022 8:00	3/20/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.03	28.976574	0.696512	0.250062
3/20/2022 9:00	3/20/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.48	29.638358	0.842184	0.316174
3/20/2022 10:00	3/20/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.04	35.411695	1.913334	0.455861
3/20/2022 11:00	3/20/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.25	64.915133	6.785879	0.879255
3/20/2022 12:00	3/20/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.8	36.979081	1.744868	0.437546
3/20/2022 13:00	3/20/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.45	31.538873	0.826605	0.260601
3/20/2022 14:00	3/20/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.72	44.898537	2.69952	0.475684
3/20/2022 15:00	3/20/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.71	35.075985	0.064994	0.302658
3/20/2022 16:00	3/20/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.6	31.38897	-0.183157	-0.027039
3/20/2022 17:00	3/20/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.83	32.175262	-0.477194	-0.173378
3/20/2022 18:00	3/20/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.98	34.706337	0.084011	-0.356007
3/20/2022 19:00	3/20/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.91	33.223355	0.735123	-0.420934
3/20/2022 20:00	3/20/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.07	28.884048	0.277353	-0.458305
3/20/2022 21:00	3/20/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.16	28.598987	-0.090801	-0.470212
3/20/2022 22:00	3/20/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.4	34.547425	0.59643	-0.446505
3/20/2022 23:00	3/20/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.9	121.784036	0.080449	-1.198913
3/21/2022 0:00	3/20/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.91	61.573998	3.077207	-0.409875
3/21/2022 1:00	3/20/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.24	48.513443	2.494867	-0.221424
3/21/2022 2:00	3/20/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.06	40.258279	0.442812	-0.247032
3/21/2022 3:00	3/20/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.21	37.474225	0.432901	-0.170343
3/21/2022 4:00	3/21/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.4	33.625363	-0.450341	-0.324296
3/21/2022 5:00	3/21/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.84	28.536004	0.190765	-0.498094
3/21/2022 6:00	3/21/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.5	26.984275	-0.000486	-0.518573
3/21/2022 7:00	3/21/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23.96	31.267859	7.844743	-0.536884
3/21/2022 8:00	3/21/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.15	26.820985	1.262543	-0.592392
3/21/2022 9:00	3/21/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.45	32.269683	4.304188	-0.486171
3/21/2022 10:00	3/21/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.33	103.563574	5.372996	-2.143589
3/21/2022 11:00	3/21/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.95	70.987101	2.652827	-1.618227
3/21/2022 12:00	3/21/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.99	37.212046	-1.005049	-0.772072
3/21/2022 13:00	3/21/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.45	33.793606	-0.349877	-0.30985
3/21/2022 14:00	3/21/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.46	35.458368	1.035037	-0.031669
3/21/2022 15:00	3/21/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.24	35.35186	1.006115	0.101578
3/21/2022 16:00	3/21/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.89	32.887785	1.011056	-0.015772
3/21/2022 17:00	3/21/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.67	31.325913	0.71184	-0.05176
3/21/2022 18:00	3/21/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.12	29.907005	0.802967	-0.011796
3/21/2022 19:00	3/21/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.96	29.916972	1.106821	-0.150683
3/21/2022 20:00	3/21/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.79	31.57696	1.062427	-0.277967
3/21/2022 21:00	3/21/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.76	34.239536	0.749103	-0.264567
3/21/2022 22:00	3/21/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.09	45.200047	1.299877	-0.191497
3/21/2022 23:00	3/21/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.55	66.879473	0.821608	-0.492135
3/22/2022 0:00	3/21/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.16	65.579147	4.410864	-0.990883
3/22/2022 1:00	3/21/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.68	64.73363	0.016248	-0.960951
3/22/2022 2:00	3/21/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.28	37.099669	0.320524	-0.497521
3/22/2022 3:00	3/21/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.28	44.641396	0	-0.633604
3/22/2022 4:00	3/22/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.6	29.130306	0	-0.465527
3/22/2022 5:00	3/22/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.68	32.311471	0	-0.363529
3/22/2022 6:00	3/22/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.36	30.019445	0	-0.343888
3/22/2022 7:00	3/22/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.92	29.573053	0	-0.34528
3/22/2022 8:00	3/22/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.56	31.517677	0.234316	-0.276639
3/22/2022 9:00	3/22/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.4	26.761439	-0.24486	-0.3937

3/22/2022 10:00	3/22/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.44	38.443376	0.473831	-0.465455
3/22/2022 11:00	3/22/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.02	42.174412	1.846742	-0.68983
3/22/2022 12:00	3/22/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.37	41.171361	1.205569	-0.406708
3/22/2022 13:00	3/22/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.43	38.22489	-1.140026	-0.068418
3/22/2022 14:00	3/22/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.27	34.677234	-0.591304	0.002705
3/22/2022 15:00	3/22/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.01	37.421049	0.402462	0.011921
3/22/2022 16:00	3/22/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.82	38.378118	0.527996	0.030955
3/22/2022 17:00	3/22/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.02	41.391898	2.392449	-0.021384
3/22/2022 18:00	3/22/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.29	34.311156	0.141758	-0.118935
3/22/2022 19:00	3/22/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.58	39.106988	0.624375	-0.099887
3/22/2022 20:00	3/22/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.95	39.736551	1.059682	-0.271464
3/22/2022 21:00	3/22/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.91	42.104645	1.588698	-0.389886
3/22/2022 22:00	3/22/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.64	34.31989	0.261286	-0.578897
3/22/2022 23:00	3/22/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.89	40.559852	-0.8322	-0.502115
3/23/2022 0:00	3/22/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.69	58.804436	0.895615	-0.777845
3/23/2022 1:00	3/22/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.33	44.140784	-0.941202	-0.243014
3/23/2022 2:00	3/22/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.55	39.250329	-0.873013	-0.424992
3/23/2022 3:00	3/22/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.33	32.827097	-0.873004	-0.627398
3/23/2022 4:00	3/23/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.64	27.157167	-0.778893	-0.707274
3/23/2022 5:00	3/23/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.21	27.931983	-0.737042	-0.540975
3/23/2022 6:00	3/23/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.28	27.173733	-0.681528	-0.425572
3/23/2022 7:00	3/23/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.34	27.67408	-0.248266	-0.415154
3/23/2022 8:00	3/23/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.57	28.069401	0	-0.496432
3/23/2022 9:00	3/23/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.27	29.986028	0.077779	-0.363418
3/23/2022 10:00	3/23/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.73	34.595593	0.075076	-0.205317
3/23/2022 11:00	3/23/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.65	47.414606	1.076047	-0.309775
3/23/2022 12:00	3/23/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.15	39.434714	1.491145	-0.202265
3/23/2022 13:00	3/23/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.25	40.572539	1.422993	-0.098787
3/23/2022 14:00	3/23/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.34	40.276327	0.977203	-0.04171
3/23/2022 15:00	3/23/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.58	41.99814	1.409738	0.006735
3/23/2022 16:00	3/23/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.69	80.814261	9.527575	-0.400814
3/23/2022 17:00	3/23/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.07	42.444501	1.971187	-0.596686
3/23/2022 18:00	3/23/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.62	39.429471	0.505729	-0.699592
3/23/2022 19:00	3/23/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.25	32.427839	0.014473	-0.836634
3/23/2022 20:00	3/23/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.28	36.409957	0.157065	-1.028775
3/23/2022 21:00	3/23/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.08	33.646031	0.614725	-1.052027
3/23/2022 22:00	3/23/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.36	32.444721	1.182393	-1.096839
3/23/2022 23:00	3/23/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.92	31.610304	-0.236121	-1.071075
3/24/2022 0:00	3/23/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.35	36.143368	-1.035018	-1.166614
3/24/2022 1:00	3/23/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.21	34.316637	-0.899999	-0.988364
3/24/2022 2:00	3/23/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.11	29.352327	-0.859328	-0.900845
3/24/2022 3:00	3/23/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.02	29.143323	-0.90426	-0.971584
3/24/2022 4:00	3/24/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.22	27.637745	-0.721322	-0.858433
3/24/2022 5:00	3/24/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.26	28.256742	-0.376935	-0.626324
3/24/2022 6:00	3/24/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.6	27.519551	-0.613506	-0.462776
3/24/2022 7:00	3/24/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.23	27.153122	-0.641996	-0.431549
3/24/2022 8:00	3/24/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.52	28.43125	-0.680056	-0.407861
3/24/2022 9:00	3/24/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.05	31.227799	-0.368685	-0.451849
3/24/2022 10:00	3/24/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.57	38.539107	0.672035	-0.702095
3/24/2022 11:00	3/24/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.12	61.956404	-0.906504	-1.252925
3/24/2022 12:00	3/24/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.97	60.566164	-1.79698	-1.603523
3/24/2022 13:00	3/24/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.48	44.514549	-0.821152	-1.141799
3/24/2022 14:00	3/24/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.47	49.314766	-0.093789	-1.063112
3/24/2022 15:00	3/24/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.55	46.097599	-0.35883	-1.090238
3/24/2022 16:00	3/24/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.04	40.142889	-0.768193	-1.130585
3/24/2022 17:00	3/24/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.29	39.988362	-0.156899	-1.144739
3/24/2022 18:00	3/24/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.63	36.681587	0	-0.943413
3/24/2022 19:00	3/24/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.48	36.544973	0	-0.933361
3/24/2022 20:00	3/24/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.32	39.44725	0.000005	-0.871088
3/24/2022 21:00	3/24/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.09	39.165684	0	-0.920983
3/24/2022 22:00	3/24/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.77	37.799943	0.000003	-0.971726
3/24/2022 23:00	3/24/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.42	39.666141	0.000002	-0.752194
3/25/2022 0:00	3/24/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.12	47.113385	-0.69667	-0.305778
3/25/2022 1:00	3/24/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.79	41.407983	-0.413663	0.02748
3/25/2022 2:00	3/24/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.47	40.342937	0	-0.127897
3/25/2022 3:00	3/24/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.76	38.514214	0.000003	-0.242456
3/25/2022 4:00	3/25/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.43	51.968834	0.004169	-0.466168
3/25/2022 5:00	3/25/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.49	37.268076	0	-0.225257
3/25/2022 6:00	3/25/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.29	35.144562	0	-0.142105
3/25/2022 7:00	3/25/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.85	45.511564	0	-0.335102
3/25/2022 8:00	3/25/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.77	43.436096	0	-0.336404
3/25/2022 9:00	3/25/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.42	35.790671	0.667729	-0.296225
3/25/2022 10:00	3/25/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.23	61.237428	1.197211	-1.192283
3/25/2022 11:00	3/25/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.9	77.700348	-0.932562	-2.270423
3/25/2022 12:00	3/25/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.21	56.367181	0.449488	-1.294808
3/25/2022 13:00	3/25/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.48	59.205258	2.376086	-0.652494
3/25/2022 14:00	3/25/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.11	44.447718	2.501185	-0.165134
3/25/2022 15:00	3/25/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.72	41.795998	4.3176	-0.243268
3/25/2022 16:00	3/25/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.52	41.518985	1.324799	-0.324147
3/25/2022 17:00	3/25/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.32	49.573688	2.845818	-0.587964
3/25/2022 18:00	3/25/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.5	52.325001	2.766922	-0.944421
3/25/2022 19:00	3/25/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.94	41.609627	3.546508	-0.872714
3/25/2022 20:00	3/25/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.15	39.260107	3.010899	-0.899959
3/25/2022 21:00	3/25/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.79	33.506654	1.56452	-0.852032
3/25/2022 22:00	3/25/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.6	34.190378	-0.419575	-0.99338
3/25/2022 23:00	3/25/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.97	43.012573	2.363054	-1.319648
3/26/2022 0:00	3/25/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.63	45.473788	0.232536	-1.384582
3/26/2022 1:00	3/25/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.45	40.675103	-1.571637	-1.207427
3/26/2022 2:00	3/25/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.07	51.36869	-0.346021	-1.356123
3/26/2022 3:00	3/25/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.48	37.765583	-1.749758	-0.966326
3/26/2022 4:00	3/26/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.65	48.115148	-2.171734	-1.360619
3/26/2022 5:00	3/26/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.57	28.545435	-3.031341	-0.99489
3/26/2022 6:00	3/26/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.46	27.227584	-2.290192	-0.940557
3/26/2022 7:00	3/26/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.94	26.384311	-2.629496	-0.93036
3/26/2022 8:00	3/26/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.89	28.741067	-2.2354	-0.916867
3/26/2022 9:00	3/26/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.32	29.101842	-1.391206	-0.827786
3/26/2022 10:00	3/26/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.2	37.378255	-3.668564	-1.150682
3/26/2022 11:00	3/26/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.35	41.837025	-5.290717	-1.220592
3/26/2022 12:00	3/26/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.34	36.053181	-2.46804	-0.82128
3/26/2022 13:00	3/26/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.67	34.166314	-1.789009	-0.716344
3/26/2022 14:00	3/26/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.39	35.295529	-2.190252	-0.903386
3/26/2022 15:00	3/26/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.4	37.361538	-2.216957	-0.819005
3/26/2022 16:00	3/26/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.52	33.697506	-1.108582	-0.713079
3/26/2022 17:00	3/26/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.77	33.304017	-0.630126	-0.832523
3/26/2022 18:00	3/26/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.8	29.846718	-3.165695	-0.788421
3/26/2022 19:00	3/26/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.38	30.259327	-1.327343	-0.792497
3/26/2022 20:00	3/26/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.64	31.296866	0.486255	-0.831056

3/26/2022 21:00	3/26/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.09	29.67296	-1.62751	-0.793697
3/26/2022 22:00	3/26/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.21	31.309015	-2.011625	-0.887694
3/26/2022 23:00	3/26/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.54	37.515892	-0.949504	-1.075437
3/27/2022 0:00	3/26/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.38	43.682717	1.281752	-0.974035
3/27/2022 1:00	3/26/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.04	41.223597	1.105092	-0.920662
3/27/2022 2:00	3/26/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.22	39.711205	0.505921	-1.011382
3/27/2022 3:00	3/26/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.64	41.27701	0.497489	-0.864645
3/27/2022 4:00	3/27/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.31	37.789365	0.084686	-0.60782
3/27/2022 5:00	3/27/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.21	35.641062	0.021962	-0.5859
3/27/2022 6:00	3/27/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.08	36.68749	0.112189	-0.508033
3/27/2022 7:00	3/27/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.78	36.353137	0.106248	-0.534778
3/27/2022 8:00	3/27/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.48	35.864007	0.061675	-0.681835
3/27/2022 9:00	3/27/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.58	34.875077	0.006523	-0.711446
3/27/2022 10:00	3/27/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.32	35.947448	0.331125	-0.707011
3/27/2022 11:00	3/27/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.92	37.281464	1.251248	-0.885617
3/27/2022 12:00	3/27/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.77	36.127016	1.101429	-0.74358
3/27/2022 13:00	3/27/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.62	35.612134	0.747981	-0.75668
3/27/2022 14:00	3/27/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.44	36.701003	0.120384	-0.859382
3/27/2022 15:00	3/27/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.74	38.855851	0.004253	-0.885902
3/27/2022 16:00	3/27/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.07	37.201808	0	-0.872359
3/27/2022 17:00	3/27/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.32	36.4711	0.001668	-0.853068
3/27/2022 18:00	3/27/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.97	36.096911	0.000009	-0.868098
3/27/2022 19:00	3/27/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.81	35.745546	0	-1.059454
3/27/2022 20:00	3/27/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.77	33.466154	0	-1.305513
3/27/2022 21:00	3/27/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.11	34.729269	0	-1.375732
3/27/2022 22:00	3/27/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.82	36.375832	0	-1.440001
3/27/2022 23:00	3/27/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.86	40.031573	0	-1.82676
3/28/2022 0:00	3/27/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.56	51.19831	0.399535	-1.761225
3/28/2022 1:00	3/27/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.34	47.543851	0.523834	-1.319983
3/28/2022 2:00	3/27/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.11	46.102901	0.014993	-1.017092
3/28/2022 3:00	3/27/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.32	46.565847	0	-0.750819
3/28/2022 4:00	3/28/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.44	48.715147	0	-0.723187
3/28/2022 5:00	3/28/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.94	43.103416	0	-0.831584
3/28/2022 6:00	3/28/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.56	41.720119	0	-0.838214
3/28/2022 7:00	3/28/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.65	45.753374	0.097737	-0.996863
3/28/2022 8:00	3/28/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.15	41.583885	0.358894	-0.920009
3/28/2022 9:00	3/28/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.07	45.932471	1.326897	-1.467759
3/28/2022 10:00	3/28/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.48	88.218095	2.983072	-3.241643
3/28/2022 11:00	3/28/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.78	73.329016	1.492852	-2.943002
3/28/2022 12:00	3/28/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.18	50.819138	4.354421	-1.717783
3/28/2022 13:00	3/28/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.07	52.73082	2.057919	-1.400433
3/28/2022 14:00	3/28/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.56	49.108602	-0.192337	-1.257394
3/28/2022 15:00	3/28/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.72	51.576332	-0.763245	-1.37709
3/28/2022 16:00	3/28/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.75	56.913604	-0.538926	-1.29497
3/28/2022 17:00	3/28/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.01	51.83759	-0.051587	-1.123323
3/28/2022 18:00	3/28/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.5	53.897838	1.459509	-1.056671
3/28/2022 19:00	3/28/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.07	49.321483	1.418669	-1.165519
3/28/2022 20:00	3/28/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.66	42.267424	0.976662	-1.365071
3/28/2022 21:00	3/28/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.67	50.378908	1.56461	-1.850702
3/28/2022 22:00	3/28/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.19	50.422402	-1.610621	-2.156977
3/28/2022 23:00	3/28/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.7	69.843287	-4.211143	-3.648903
3/29/2022 0:00	3/28/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.87	81.884084	-3.787095	-4.200488
3/29/2022 1:00	3/28/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.71	54.649734	-6.403062	-2.658871
3/29/2022 2:00	3/28/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.49	56.454864	-3.639886	-2.396917
3/29/2022 3:00	3/28/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.58	53.622395	1.228644	-2.184582
3/29/2022 4:00	3/29/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.36	52.643782	3.32061	-2.038494
3/29/2022 5:00	3/29/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.65	70.375909	11.348855	-2.619613
3/29/2022 6:00	3/29/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.84	77.347379	16.198899	-2.68902
3/29/2022 7:00	3/29/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.69	75.624642	13.572786	-2.635644
3/29/2022 8:00	3/29/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.35	76.486154	15.644978	-2.509657
3/29/2022 9:00	3/29/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.22	68.445347	7.954763	-2.72775
3/29/2022 10:00	3/29/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.1	86.130217	4.718865	-4.690315
3/29/2022 11:00	3/29/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	215.56	202.590337	-0.793361	-12.178802
3/29/2022 12:00	3/29/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.84	55.453113	2.111705	-2.496091
3/29/2022 13:00	3/29/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.24	52.982984	2.493714	-1.750731
3/29/2022 14:00	3/29/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.89	56.660623	2.274087	-1.503463
3/29/2022 15:00	3/29/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.99	38.086265	-10.593505	-1.306897
3/29/2022 16:00	3/29/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.28	41.542237	-0.608341	-1.124422
3/29/2022 17:00	3/29/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.72	42.621723	-0.931869	-1.166408
3/29/2022 18:00	3/29/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.29	41.379581	-0.657074	-1.257512
3/29/2022 19:00	3/29/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.06	38.89854	-1.940199	-1.217094
3/29/2022 20:00	3/29/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.94	38.595287	-3.140728	-1.206484
3/29/2022 21:00	3/29/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.53	37.218254	-1.10215	-1.213763
3/29/2022 22:00	3/29/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.46	41.114699	-2.723917	-1.625551
3/29/2022 23:00	3/29/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.15	48.412634	-3.234547	-2.501152
3/30/2022 0:00	3/29/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.87	55.92715	-4.782473	-3.162043
3/30/2022 1:00	3/29/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.89	58.45825	-5.136557	-3.290193
3/30/2022 2:00	3/29/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.64	50.575851	-4.089956	-2.97586
3/30/2022 3:00	3/29/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.05	37.654477	-2.043518	-2.349505
3/30/2022 4:00	3/30/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.86	34.807745	-2.582971	-2.473451
3/30/2022 5:00	3/30/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.76	34.863931	-3.257896	-2.636507
3/30/2022 6:00	3/30/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.21	34.60443	-3.038919	-2.563318
3/30/2022 7:00	3/30/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.95	34.727383	-2.564694	-2.661256
3/30/2022 8:00	3/30/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.28	30.936996	-6.759981	-2.580523
3/30/2022 9:00	3/30/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.16	36.636612	-4.798499	-2.724056
3/30/2022 10:00	3/30/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.57	61.241033	-22.898961	-5.425006
3/30/2022 11:00	3/30/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.51	66.531315	-8.513005	-4.467347
3/30/2022 12:00	3/30/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.21	44.877485	-4.438535	-2.897313
3/30/2022 13:00	3/30/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.36	42.091474	-2.916845	-2.353348
3/30/2022 14:00	3/30/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.44	44.332863	-3.16011	-1.947027
3/30/2022 15:00	3/30/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.5	41.183558	-2.535973	-1.781303
3/30/2022 16:00	3/30/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.18	55.939276	-2.042885	-2.197006
3/30/2022 17:00	3/30/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.53	45.432804	-1.404501	-1.696862
3/30/2022 18:00	3/30/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.2	40.815659	-1.977755	-1.40242
3/30/2022 19:00	3/30/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.16	39.642453	-2.248565	-1.273149
3/30/2022 20:00	3/30/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.19	36.186247	-1.951989	-1.050097
3/30/2022 21:00	3/30/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.87	42.932239	-1.02218	-0.918915
3/30/2022 22:00	3/30/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.56	42.614209	-1.996885	-0.948073
3/30/2022 23:00	3/30/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.99	74.923975	-0.626275	-1.435584
3/31/2022 0:00	3/30/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.43	61.775947	1.290955	-0.941674
3/31/2022 1:00	3/30/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.98	44.570137	0.024285	-0.437481
3/31/2022 2:00	3/30/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.09	37.386232	0.009995	-0.71043
3/31/2022 3:00	3/30/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.54	33.56807	0.00725	-0.97918
3/31/2022 4:00	3/31/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.16	31.996641	0.0025	-1.160859
3/31/2022 5:00	3/31/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.42	33.359669	0.004168	-1.068666
3/31/2022 6:00	3/31/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.13	32.305979	0.000834	-0.823188
3/31/2022 7:00	3/31/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.12	30.741108	-1.505272	-0.87612

3/31/2022 8:00	3/31/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.8	29.943131	-1.895391	-0.963145
3/31/2022 9:00	3/31/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.53	30.858862	-1.739933	-0.930372
3/31/2022 10:00	3/31/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.46	33.441905	-2.077749	-0.935347
3/31/2022 11:00	3/31/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.97	44.569597	-3.371126	-1.03261
3/31/2022 12:00	3/31/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.87	43.537619	-2.623609	-0.708773
3/31/2022 13:00	3/31/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.92	67.961967	-3.195738	-0.758128
3/31/2022 14:00	3/31/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.43	49.300484	-2.607356	-0.521326
3/31/2022 15:00	3/31/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.87	50.406116	-2.084501	-0.37605
3/31/2022 16:00	3/31/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.06	55.348912	-2.245886	-0.467702
3/31/2022 17:00	3/31/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.21	58.896941	-1.956655	-0.352238
3/31/2022 18:00	3/31/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.39	91.171975	6.115818	-0.33051
3/31/2022 19:00	3/31/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.72	49.999511	-0.228652	-0.489337
3/31/2022 20:00	3/31/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.11	67.682814	3.21206	-0.637579
3/31/2022 21:00	3/31/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.76	58.327879	3.122687	-0.555641
3/31/2022 22:00	3/31/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.3	49.307518	2.402696	-0.399345
3/31/2022 23:00	3/31/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.26	50.08063	2.231893	-0.409597
4/1/2022 0:00	3/31/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50	52.640009	2.640839	0.002504
4/1/2022 1:00	3/31/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.73	53.458318	2.390406	0.334579
4/1/2022 2:00	3/31/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.48	57.008282	3.094919	0.43503
4/1/2022 3:00	3/31/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.88	45.48539	0.495602	0.108121
4/1/2022 4:00	4/1/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.71	49.162052	0.297997	0.156555
4/1/2022 5:00	4/1/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.51	49.705377	0.01	0.187877
4/1/2022 6:00	4/1/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.76	38.877533	0.009974	0.106725
4/1/2022 7:00	4/1/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.32	40.398395	0.009995	0.0659
4/1/2022 8:00	4/1/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.06	38.605052	-1.52216	0.067211
4/1/2022 9:00	4/1/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.75	49.921448	0.02843	0.140519
4/1/2022 10:00	4/1/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.88	62.058622	4.227501	-0.048045
4/1/2022 11:00	4/1/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.55	83.218643	3.787991	-0.123515
4/1/2022 12:00	4/1/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.87	80.597478	0.772922	-0.047111
4/1/2022 13:00	4/1/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.48	52.992103	1.295152	0.217784
4/1/2022 14:00	4/1/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.98	63.593284	1.536165	0.077952
4/1/2022 15:00	4/1/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.88	79.629083	7.495809	0.25494
4/1/2022 16:00	4/1/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.39	52.940696	2.64184	-0.093644
4/1/2022 17:00	4/1/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.37	61.020577	2.826833	-0.178756
4/1/2022 18:00	4/1/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.88	55.194409	0.351161	-0.033419
4/1/2022 19:00	4/1/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.97	53.128824	2.207008	-0.050683
4/1/2022 20:00	4/1/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.41	60.049927	3.793826	-0.153065
4/1/2022 21:00	4/1/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.28	47.808372	1.956759	-0.425053
4/1/2022 22:00	4/1/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.93	50.615089	2.087981	-0.402892
4/1/2022 23:00	4/1/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.84	107.398018	11.570355	-1.012337
4/2/2022 0:00	4/1/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.9	144.342072	12.632283	-1.192711
4/2/2022 1:00	4/1/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.71	59.620801	3.015161	-0.107693
4/2/2022 2:00	4/1/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.54	83.718559	3.237346	-0.057954
4/2/2022 3:00	4/1/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.55	56.787713	0.496106	-0.258394
4/2/2022 4:00	4/2/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.18	61.729174	2.922828	-0.370321
4/2/2022 5:00	4/2/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.37	93.922457	11.489023	-0.935733
4/2/2022 6:00	4/2/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.77	68.150096	7.143837	-0.761241
4/2/2022 7:00	4/2/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.87	72.384259	11.086109	-0.572683
4/2/2022 8:00	4/2/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.98	93.336155	15.80285	-0.449196
4/2/2022 9:00	4/2/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.7	63.162691	14.081448	-0.621257
4/2/2022 10:00	4/2/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.86	69.55464	15.293963	-0.595157
4/2/2022 11:00	4/2/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.18	72.353547	11.669111	-0.490565
4/2/2022 12:00	4/2/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.95	50.825449	2.203721	-0.326606
4/2/2022 13:00	4/2/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.71	46.906449	0.34703	-0.148081
4/2/2022 14:00	4/2/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.83	42.723459	-0.205532	0.097324
4/2/2022 15:00	4/2/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.04	42.304625	0.310215	-0.045591
4/2/2022 16:00	4/2/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.11	42.432826	0.594492	-0.2675
4/2/2022 17:00	4/2/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.03	41.046467	0.381886	-0.367085
4/2/2022 18:00	4/2/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.19	37.980924	0.138895	-0.345471
4/2/2022 19:00	4/2/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.89	38.690685	2.232272	-0.43492
4/2/2022 20:00	4/2/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.89	46.253598	12.89781	-0.530879
4/2/2022 21:00	4/2/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.87	44.105965	10.932919	-0.69862
4/2/2022 22:00	4/2/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.26	40.044004	-1.380357	-0.836472
4/2/2022 23:00	4/2/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.5	48.792746	-0.343522	-1.363732
4/3/2022 0:00	4/2/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.64	67.971426	-3.609818	-2.060423
4/3/2022 1:00	4/2/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.87	43.340176	-2.288433	-1.24389
4/3/2022 2:00	4/2/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.24	44.015344	-0.998409	-1.228747
4/3/2022 3:00	4/2/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.34	50.012852	-0.051691	-1.270457
4/3/2022 4:00	4/3/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.2	45.924539	-0.108103	-1.169858
4/3/2022 5:00	4/3/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.76	39.905776	0.01	-0.860891
4/3/2022 6:00	4/3/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.82	38.09042	1.00903	-0.737776
4/3/2022 7:00	4/3/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.92	40.715405	3.409786	-0.611047
4/3/2022 8:00	4/3/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.98	48.933636	2.594691	-0.637721
4/3/2022 9:00	4/3/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.43	42.419016	1.349672	-0.359823
4/3/2022 10:00	4/3/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.5	41.428304	-0.634855	-0.437675
4/3/2022 11:00	4/3/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.06	50.992768	2.200945	-0.263177
4/3/2022 12:00	4/3/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.57	44.97246	0.642705	-0.244412
4/3/2022 13:00	4/3/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.42	49.671114	-0.517994	-0.232558
4/3/2022 14:00	4/3/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.36	47.029701	-0.151277	-0.174022
4/3/2022 15:00	4/3/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.67	52.997837	-0.367472	-0.299691
4/3/2022 16:00	4/3/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.07	46.875926	4.184127	-0.379868
4/3/2022 17:00	4/3/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.13	40.038168	0.264438	-0.35627
4/3/2022 18:00	4/3/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.87	41.463561	1.104963	-0.513068
4/3/2022 19:00	4/3/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.69	45.369623	3.233652	-0.554029
4/3/2022 20:00	4/3/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.09	58.54115	5.142107	-0.690956
4/3/2022 21:00	4/3/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.55	53.819032	2.041601	-0.772569
4/3/2022 22:00	4/3/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.13	85.622214	0.606255	-1.115708
4/3/2022 23:00	4/3/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.9	79.278551	1.005192	-1.624975
4/4/2022 0:00	4/3/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.04	77.89152	-0.340109	-1.809204
4/4/2022 1:00	4/3/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.77	73.932052	2.549629	-1.391744
4/4/2022 2:00	4/3/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.1	76.122456	7.671219	-1.643763
4/4/2022 3:00	4/3/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.6	48.252099	5.837818	-1.184886
4/4/2022 4:00	4/4/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49	52.329917	4.719267	-1.38685
4/4/2022 5:00	4/4/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.69	68.797814	15.827078	-1.720097
4/4/2022 6:00	4/4/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.69	55.302484	14.908712	-1.291228
4/4/2022 7:00	4/4/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.43	63.088889	14.118806	-1.46075
4/4/2022 8:00	4/4/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.3	57.932751	11.209313	-1.571562
4/4/2022 9:00	4/4/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.28	59.953942	14.314389	-1.63628
4/4/2022 10:00	4/4/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.97	83.089644	19.830353	-2.70821
4/4/2022 11:00	4/4/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.14	137.661062	23.245849	-4.72312
4/4/2022 12:00	4/4/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.91	80.264613	10.673436	-2.321323
4/4/2022 13:00	4/4/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.26	61.226665	4.741493	-1.775661
4/4/2022 14:00	4/4/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.92	56.307786	0.972078	-1.580125
4/4/2022 15:00	4/4/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.28	49.078664	-1.794287	-1.402882
4/4/2022 16:00	4/4/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.09	50.136051	-3.592718	-1.365399
4/4/2022 17:00	4/4/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.77	53.578815	-3.726659	-1.460359
4/4/2022 18:00	4/4/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.95	46.607002	-6.596637	-1.743028

4/4/2022 19:00	4/4/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.53	59.243196	-3.450375	-1.833095
4/4/2022 20:00	4/4/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.98	59.200393	-3.798888	-1.978219
4/4/2022 21:00	4/4/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.07	65.859553	-2.118244	-2.089703
4/4/2022 22:00	4/4/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.51	56.811659	-1.060518	-1.641156
4/4/2022 23:00	4/4/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.63	90.23993	-0.652555	-2.734181
4/5/2022 0:00	4/4/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.63	80.102826	-0.997716	-2.526958
4/5/2022 1:00	4/4/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.28	66.266816	-1.143832	-1.870185
4/5/2022 2:00	4/4/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.37	86.985719	-0.420838	-1.96011
4/5/2022 3:00	4/4/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.43	93.748805	-1.924404	-1.753458
4/5/2022 4:00	4/5/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.69	71.426526	0.966151	-1.230458
4/5/2022 5:00	4/5/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.4	72.635156	6.096289	-0.863633
4/5/2022 6:00	4/5/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.66	89.20659	8.631819	-1.086062
4/5/2022 7:00	4/5/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.55	59.381057	4.615498	-0.77944
4/5/2022 8:00	4/5/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.88	63.849993	2.925385	-0.950392
4/5/2022 9:00	4/5/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.5	66.622355	14.010532	-0.883176
4/5/2022 10:00	4/5/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.12	96.953953	20.513785	-1.682331
4/5/2022 11:00	4/5/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.73	73.974677	6.260078	-2.017068
4/5/2022 12:00	4/5/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.68	161.674281	37.268234	-3.275619
4/5/2022 13:00	4/5/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.85	77.016191	10.165998	-0.997307
4/5/2022 14:00	4/5/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.81	74.658953	10.332625	-0.483672
4/5/2022 15:00	4/5/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.5	114.379054	11.439871	-0.555817
4/5/2022 16:00	4/5/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.33	73.134449	5.229399	-0.427449
4/5/2022 17:00	4/5/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.35	68.06057	12.162463	-0.456059
4/5/2022 18:00	4/5/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.76	65.185344	3.939899	-0.510388
4/5/2022 19:00	4/5/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.67	75.348306	11.41159	-0.728284
4/5/2022 20:00	4/5/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.73	86.752593	18.35131	-1.332884
4/5/2022 21:00	4/5/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.04	75.266965	13.832213	-1.606915
4/5/2022 22:00	4/5/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.97	64.830229	9.603126	-1.74123
4/5/2022 23:00	4/5/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.13	60.676828	4.278172	-1.735511
4/6/2022 0:00	4/5/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.35	58.100415	7.173556	-1.426475
4/6/2022 1:00	4/5/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.21	61.584733	10.560593	-1.189194
4/6/2022 2:00	4/5/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.08	64.705356	8.860498	-1.238475
4/6/2022 3:00	4/5/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.51	74.134463	9.300892	-1.679762
4/6/2022 4:00	4/6/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.44	48.226852	6.075598	-1.290413
4/6/2022 5:00	4/6/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.15	40.558245	-0.268304	-1.326784
4/6/2022 6:00	4/6/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.11	40.984799	2.173279	-1.299313
4/6/2022 7:00	4/6/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.37	42.079839	7.94014	-1.229467
4/6/2022 8:00	4/6/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.12	49.241219	7.506515	-1.387796
4/6/2022 9:00	4/6/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.37	101.299922	11.728136	-2.794048
4/6/2022 10:00	4/6/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.33	65.615436	-0.09898	-1.616418
4/6/2022 11:00	4/6/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.59	66.030178	-0.866597	-1.696558
4/6/2022 12:00	4/6/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.61	60.738584	-0.722818	-1.152765
4/6/2022 13:00	4/6/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.64	62.971272	0.083388	-0.747949
4/6/2022 14:00	4/6/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.22	66.123309	11.903551	-1.000242
4/6/2022 15:00	4/6/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.07	92.388326	9.047385	-1.724059
4/6/2022 16:00	4/6/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.04	82.827077	17.647395	-1.862817
4/6/2022 17:00	4/6/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.78	81.093233	14.392274	-2.080707
4/6/2022 18:00	4/6/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.82	61.664479	5.491648	-1.64217
4/6/2022 19:00	4/6/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.11	47.992746	0.546447	-1.667867
4/6/2022 20:00	4/6/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.87	50.726972	1.712298	-1.850326
4/6/2022 21:00	4/6/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.71	50.629275	-1.132444	-1.950781
4/6/2022 22:00	4/6/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.37	56.57845	0.577021	-2.371071
4/6/2022 23:00	4/6/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.3	62.007307	5.803333	-2.09936
4/7/2022 0:00	4/6/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.75	60.12736	3.472625	-2.098598
4/7/2022 1:00	4/6/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.43	67.403603	9.878186	-1.90875
4/7/2022 2:00	4/6/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48	53.216575	6.854021	-1.633278
4/7/2022 3:00	4/6/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.25	42.604566	4.662669	-1.310603
4/7/2022 4:00	4/7/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.59	41.314331	8.738784	-1.012787
4/7/2022 5:00	4/7/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.88	38.810762	3.847274	-0.912346
4/7/2022 6:00	4/7/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.1	38.80189	2.397214	-0.695324
4/7/2022 7:00	4/7/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.17	37.670517	2.253946	-0.757596
4/7/2022 8:00	4/7/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.5	43.113934	6.33031	-0.717209
4/7/2022 9:00	4/7/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.86	70.442641	9.93708	-1.354439
4/7/2022 10:00	4/7/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.95	53.31534	8.524061	-1.162055
4/7/2022 11:00	4/7/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.85	56.973642	-0.614732	-1.259959
4/7/2022 12:00	4/7/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.28	79.936978	5.33823	-1.677919
4/7/2022 13:00	4/7/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.64	62.692129	3.927837	-1.871541
4/7/2022 14:00	4/7/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.19	63.147492	5.165975	-2.21265
4/7/2022 15:00	4/7/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.11	60.070048	0.506487	-2.547272
4/7/2022 16:00	4/7/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.88	63.747234	1.826672	-2.954438
4/7/2022 17:00	4/7/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.21	60.493301	1.309135	-3.0275
4/7/2022 18:00	4/7/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.18	56.328502	-0.85629	-2.997709
4/7/2022 19:00	4/7/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.22	56.965045	0.92275	-3.176038
4/7/2022 20:00	4/7/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.68	52.369982	-3.301263	-3.004588
4/7/2022 21:00	4/7/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.45	51.692031	-4.743031	-3.010771
4/7/2022 22:00	4/7/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.06	63.851786	3.004315	-3.216696
4/7/2022 23:00	4/7/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.27	67.24019	10.728235	-2.753045
4/8/2022 0:00	4/7/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.09	86.321837	7.338213	-3.105543
4/8/2022 1:00	4/7/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.63	59.674201	0.931887	-1.88352
4/8/2022 2:00	4/7/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.04	57.263744	1.742505	-1.520427
4/8/2022 3:00	4/7/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.93	56.227979	0.613571	-1.314759
4/8/2022 4:00	4/8/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.81	53.631535	-0.087979	-1.093819
4/8/2022 5:00	4/8/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.56	90.419245	6.312629	-1.450051
4/8/2022 6:00	4/8/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.3	81.902329	7.009332	-1.406169
4/8/2022 7:00	4/8/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.4	61.13015	3.835211	-1.100895
4/8/2022 8:00	4/8/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.36	59.61032	3.298388	-1.051401
4/8/2022 9:00	4/8/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.8	105.480883	15.662391	-1.982341
4/8/2022 10:00	4/8/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.74	81.005525	6.640197	-2.375505
4/8/2022 11:00	4/8/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.38	74.278933	4.60283	-1.70723
4/8/2022 12:00	4/8/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.63	60.059783	2.215948	-0.782831
4/8/2022 13:00	4/8/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.97	64.676868	2.796833	-0.091632
4/8/2022 14:00	4/8/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.29	71.121672	4.966212	-0.129541
4/8/2022 15:00	4/8/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.21	68.091661	4.00415	-0.124989
4/8/2022 16:00	4/8/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.87	61.394012	3.813297	-0.285117
4/8/2022 17:00	4/8/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.71	64.76953	3.750477	-0.688446
4/8/2022 18:00	4/8/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.74	54.242794	4.452431	-0.95047
4/8/2022 19:00	4/8/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.8	72.932771	6.548272	-1.416335
4/8/2022 20:00	4/8/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.55	67.949499	12.72921	-1.328878
4/8/2022 21:00	4/8/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.89	44.561504	3.53248	-0.859309
4/8/2022 22:00	4/8/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.03	61.116915	6.04528	-0.957532
4/8/2022 23:00	4/8/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.41	75.994629	5.94823	-1.361934
4/9/2022 0:00	4/8/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.3	93.07861	6.112988	-1.338545
4/9/2022 1:00	4/8/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.85	89.466601	6.504739	-0.883972
4/9/2022 2:00	4/8/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.18	78.304866	2.140027	-1.011828
4/9/2022 3:00	4/8/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.34	55.44338	0.027499	-0.92412
4/9/2022 4:00	4/9/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.07	56.736691	0.007503	-1.339979
4/9/2022 5:00	4/9/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.75	65.722484	0.37968	-1.406363

4/9/2022 6:00	4/9/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.4	56.851093	0.512248	-1.059488
4/9/2022 7:00	4/9/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.45	62.616432	2.524953	-1.354354
4/9/2022 8:00	4/9/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.91	67.36231	2.973439	-1.520296
4/9/2022 9:00	4/9/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.02	52.972702	-0.491676	-1.556455
4/9/2022 10:00	4/9/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.73	60.788009	-3.147128	-1.799029
4/9/2022 11:00	4/9/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.31	52.725963	-4.064952	-1.514918
4/9/2022 12:00	4/9/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.75	59.410979	-2.035506	-1.306016
4/9/2022 13:00	4/9/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.33	71.245827	-0.283337	-0.798336
4/9/2022 14:00	4/9/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.37	64.125832	-3.062223	-1.178612
4/9/2022 15:00	4/9/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.08	57.400231	-1.023999	-1.659937
4/9/2022 16:00	4/9/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.49	48.676382	-0.383299	-1.433653
4/9/2022 17:00	4/9/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.7	52.386511	-2.65463	-1.656359
4/9/2022 18:00	4/9/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.65	71.939257	1.177773	-1.883516
4/9/2022 19:00	4/9/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.97	66.657994	1.448741	-1.759081
4/9/2022 20:00	4/9/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.29	74.638876	5.975295	-1.622252
4/9/2022 21:00	4/9/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.09	82.628256	6.564912	-2.025822
4/9/2022 22:00	4/9/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.15	67.803996	3.680082	-2.027753
4/9/2022 23:00	4/9/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.24	71.021406	-1.119119	-2.096141
4/10/2022 0:00	4/9/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.77	86.624744	-1.943915	-2.199675
4/10/2022 1:00	4/9/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126.42	124.171108	0.201407	-2.449465
4/10/2022 2:00	4/9/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.59	112.91607	-0.829675	-1.848421
4/10/2022 3:00	4/9/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.59	96.073988	-0.698992	-1.818686
4/10/2022 4:00	4/10/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.79	50.184474	-0.704967	-0.898893
4/10/2022 5:00	4/10/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.72	51.351572	-1.499577	-0.868017
4/10/2022 6:00	4/10/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.93	53.622498	-1.57321	-0.735126
4/10/2022 7:00	4/10/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.2	58.776409	-0.896543	-0.529548
4/10/2022 8:00	4/10/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.41	56.419026	-1.313811	-0.67383
4/10/2022 9:00	4/10/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.1	63.099152	-0.143861	-0.861154
4/10/2022 10:00	4/10/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.21	62.681352	0.580564	-1.110879
4/10/2022 11:00	4/10/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.95	60.665572	7.77599	-1.059585
4/10/2022 12:00	4/10/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.97	54.184325	10.30174	-1.083248
4/10/2022 13:00	4/10/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.3	52.017783	3.06344	-1.349825
4/10/2022 14:00	4/10/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.77	52.44511	3.394548	-1.723605
4/10/2022 15:00	4/10/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.59	45.531958	2.900785	-1.955494
4/10/2022 16:00	4/10/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.08	51.483192	0.818233	-2.416708
4/10/2022 17:00	4/10/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.42	38.489006	-4.794301	-2.135026
4/10/2022 18:00	4/10/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.98	39.583348	1.734706	-2.130525
4/10/2022 19:00	4/10/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.88	34.425607	-4.293274	-2.156119
4/10/2022 20:00	4/10/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.75	21.221806	-16.41991	-2.104951
4/10/2022 21:00	4/10/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.46	15.816156	-22.556197	-2.084314
4/10/2022 22:00	4/10/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.32	40.885979	-7.731535	-2.700819
4/10/2022 23:00	4/10/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.56	15.688408	-65.599897	-5.270862
4/11/2022 0:00	4/10/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.15	50.941377	-6.200453	-4.01067
4/11/2022 1:00	4/10/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.57	58.038047	-10.837789	-4.694997
4/11/2022 2:00	4/10/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48	36.546032	-8.249434	-3.2087
4/11/2022 3:00	4/10/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.18	13.950382	-32.016359	-3.217426
4/11/2022 4:00	4/11/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.99	26.497266	-12.05418	-2.44272
4/11/2022 5:00	4/11/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.06	29.65471	-8.846785	-2.554339
4/11/2022 6:00	4/11/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.9	30.843995	-7.449584	-2.605588
4/11/2022 7:00	4/11/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.55	33.415458	-7.355995	-2.775214
4/11/2022 8:00	4/11/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.33	28.508743	-23.319117	-3.49964
4/11/2022 9:00	4/11/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.51	57.987191	-21.52361	-4.995032
4/11/2022 10:00	4/11/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.85	82.738297	-13.577743	-6.53146
4/11/2022 11:00	4/11/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.67	118.541473	0.763869	-7.89323
4/11/2022 12:00	4/11/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.35	59.469702	-0.956437	-2.919695
4/11/2022 13:00	4/11/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.89	82.912791	2.349791	-1.330333
4/11/2022 14:00	4/11/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.22	112.231885	5.426833	-0.419114
4/11/2022 15:00	4/11/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.74	65.209732	1.458392	0.014674
4/11/2022 16:00	4/11/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.44	66.043605	0.418086	0.190519
4/11/2022 17:00	4/11/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.49	76.420028	1.286709	0.645818
4/11/2022 18:00	4/11/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.1	55.726065	0.27079	0.351108
4/11/2022 19:00	4/11/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.55	58.708962	0.023872	0.13509
4/11/2022 20:00	4/11/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.9	65.108724	0.020006	0.186219
4/11/2022 21:00	4/11/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.87	97.047497	0.168623	0.012207
4/11/2022 22:00	4/11/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.93	65.788793	0.02625	-0.169957
4/11/2022 23:00	4/11/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.56	67.252158	0.029912	-0.336921
4/12/2022 0:00	4/11/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.85	67.872583	0.301867	-0.280117
4/12/2022 1:00	4/11/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.79	73.727306	0.02249	-0.083518
4/12/2022 2:00	4/11/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.6	63.234406	-0.167699	-0.196228
4/12/2022 3:00	4/11/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.85	47.667344	-0.834363	-0.346627
4/12/2022 4:00	4/12/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.96	43.513407	-0.434257	-0.009836
4/12/2022 5:00	4/12/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.08	47.309636	-0.043247	0.270383
4/12/2022 6:00	4/12/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.28	43.470516	-0.184231	0.37058
4/12/2022 7:00	4/12/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.6	41.696212	-0.15232	0.251032
4/12/2022 8:00	4/12/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.91	44.024421	-0.10373	0.223151
4/12/2022 9:00	4/12/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.03	47.818244	2.762736	0.023842
4/12/2022 10:00	4/12/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.83	71.866854	7.10469	-0.065336
4/12/2022 11:00	4/12/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.72	80.236482	9.584355	-1.06454
4/12/2022 12:00	4/12/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.43	81.803443	8.201155	-1.823545
4/12/2022 13:00	4/12/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.46	71.83628	-0.395659	-2.223895
4/12/2022 14:00	4/12/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.67	58.406598	2.320636	-1.580705
4/12/2022 15:00	4/12/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.81	51.364486	4.584153	-1.0255
4/12/2022 16:00	4/12/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.6	52.681588	2.156879	-1.071958
4/12/2022 17:00	4/12/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.4	56.113767	-5.921276	-1.361623
4/12/2022 18:00	4/12/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.08	53.668771	-0.134791	-1.271438
4/12/2022 19:00	4/12/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.49	54.863539	4.323705	-0.9485
4/12/2022 20:00	4/12/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.88	59.85323	3.252621	-1.276891
4/12/2022 21:00	4/12/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.69	72.721001	4.378921	-2.347088
4/12/2022 22:00	4/12/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.95	78.202234	2.427443	-3.172709
4/12/2022 23:00	4/12/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.74	67.060004	6.775503	-2.457999
4/13/2022 0:00	4/12/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.9	78.26022	3.283886	-2.922
4/13/2022 1:00	4/12/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.93	65.882485	2.42344	-2.470122
4/13/2022 2:00	4/12/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.32	52.848235	-0.782099	-1.690499
4/13/2022 3:00	4/12/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.56	49.581426	5.350903	-1.330311
4/13/2022 4:00	4/13/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.35	42.956701	8.680384	-1.075349
4/13/2022 5:00	4/13/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.08	39.7494	3.707149	-1.034416
4/13/2022 6:00	4/13/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.63	40.147131	8.380087	-0.85879
4/13/2022 7:00	4/13/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.68	39.56128	8.682701	-0.799755
4/13/2022 8:00	4/13/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.4	40.27498	5.630974	-0.756828
4/13/2022 9:00	4/13/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.85	45.27774	5.386929	-0.960023
4/13/2022 10:00	4/13/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.28	56.825576	5.127063	-1.583986
4/13/2022 11:00	4/13/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.82	55.703846	0.349857	-1.463511
4/13/2022 12:00	4/13/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.8	48.743239	-1.018118	-1.036143
4/13/2022 13:00	4/13/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.88	52.955538	-0.353602	-0.571694
4/13/2022 14:00	4/13/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.9	74.375174	1.715754	-0.240581
4/13/2022 15:00	4/13/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.93	53.243697	-1.095014	-0.587956
4/13/2022 16:00	4/13/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.26	56.945695	-0.414825	-0.900313

4/13/2022 17:00	4/13/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.66	61.630323	-0.782812	-1.241866
4/13/2022 18:00	4/13/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.17	58.517912	4.700125	-1.348879
4/13/2022 19:00	4/13/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.06	57.606154	-0.680283	-1.77023
4/13/2022 20:00	4/13/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78	66.094712	-9.220781	-2.686174
4/13/2022 21:00	4/13/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	187.81	157.223851	-23.349917	-7.232065
4/13/2022 22:00	4/13/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.94	68.87616	-15.614888	-3.447285
4/13/2022 23:00	4/13/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.96	75.364864	-0.176456	-3.422847
4/14/2022 0:00	4/13/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.98	79.492801	-2.911963	-3.571069
4/14/2022 1:00	4/13/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.06	74.213845	11.326756	-2.167911
4/14/2022 2:00	4/13/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.85	83.214865	8.325729	-1.961698
4/14/2022 3:00	4/13/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.31	58.366931	8.4622	-1.402769
4/14/2022 4:00	4/14/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.37	49.292802	3.248033	-1.322731
4/14/2022 5:00	4/14/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.71	46.191248	-0.445845	-1.07374
4/14/2022 6:00	4/14/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.58	41.640831	-0.17362	-0.763882
4/14/2022 7:00	4/14/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.83	40.344683	-0.84805	-0.6331
4/14/2022 8:00	4/14/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.33	41.152295	-0.615656	-0.564549
4/14/2022 9:00	4/14/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.94	51.276749	6.733811	-0.401229
4/14/2022 10:00	4/14/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.16	54.07413	10.180581	-0.263118
4/14/2022 11:00	4/14/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.3	60.447342	0.259591	-0.108915
4/14/2022 12:00	4/14/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.42	67.863395	0.319563	0.120499
4/14/2022 13:00	4/14/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.03	136.125266	4.770742	-0.678809
4/14/2022 14:00	4/14/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.23	77.717068	9.617245	-1.131844
4/14/2022 15:00	4/14/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.38	56.647559	-6.25928	-1.470661
4/14/2022 16:00	4/14/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.97	60.327021	-20.182641	-2.462838
4/14/2022 17:00	4/14/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.27	57.466843	-19.850572	-2.950085
4/14/2022 18:00	4/14/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.64	69.935364	-20.092148	-4.614988
4/14/2022 19:00	4/14/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.57	64.186096	-19.087938	-4.300132
4/14/2022 20:00	4/14/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.14	53.497498	-0.887368	-2.755134
4/14/2022 21:00	4/14/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.45	54.253104	-0.698284	-2.49528
4/14/2022 22:00	4/14/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.67	48.464924	-0.300935	-1.90664
4/14/2022 23:00	4/14/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.33	44.707776	-0.057428	-1.563963
4/15/2022 0:00	4/14/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.45	55.490809	1.675887	-1.638411
4/15/2022 1:00	4/14/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.72	66.565819	4.145419	-1.298767
4/15/2022 2:00	4/14/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.04	53.193254	2.127373	-0.974119
4/15/2022 3:00	4/14/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.38	44.394771	0.014879	-1.000108
4/15/2022 4:00	4/15/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.78	43.695824	-0.164668	-0.916174
4/15/2022 5:00	4/15/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.75	46.819902	0.716449	-0.649881
4/15/2022 6:00	4/15/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.92	42.079303	-0.250501	-0.585196
4/15/2022 7:00	4/15/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.91	42.000595	-0.36065	-0.552922
4/15/2022 8:00	4/15/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.91	41.748568	-0.465655	-0.698277
4/15/2022 9:00	4/15/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.88	46.435949	0.400275	-0.845992
4/15/2022 10:00	4/15/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.47	49.505931	0.83465	-0.802052
4/15/2022 11:00	4/15/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.24	61.639963	1.824909	-0.42828
4/15/2022 12:00	4/15/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.76	51.127434	1.432579	-0.062646
4/15/2022 13:00	4/15/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.5	60.181764	3.637806	0.048125
4/15/2022 14:00	4/15/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.73	47.240784	2.495087	0.01653
4/15/2022 15:00	4/15/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.4	45.892599	1.655862	-0.163264
4/15/2022 16:00	4/15/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.85	42.439122	1.020698	-0.426577
4/15/2022 17:00	4/15/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.41	44.666504	0.800765	-0.540928
4/15/2022 18:00	4/15/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.14	46.370455	0.70665	-0.480362
4/15/2022 19:00	4/15/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.06	45.690132	0.13195	-0.505985
4/15/2022 20:00	4/15/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.88	47.095476	-0.034852	-0.750505
4/15/2022 21:00	4/15/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.21	53.365358	1.070743	-0.916218
4/15/2022 22:00	4/15/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.44	57.213607	1.88606	-1.112453
4/15/2022 23:00	4/15/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.38	61.037787	2.997823	-1.337536
4/16/2022 0:00	4/15/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.16	57.589632	2.453596	-1.026464
4/16/2022 1:00	4/15/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.96	56.529302	2.959577	-0.393608
4/16/2022 2:00	4/15/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.16	57.568443	2.671937	-0.265161
4/16/2022 3:00	4/15/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.82	49.72047	4.166053	-0.268917
4/16/2022 4:00	4/16/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.8	44.572012	0.087449	-0.31127
4/16/2022 5:00	4/16/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.34	50.910315	-0.208154	-0.219865
4/16/2022 6:00	4/16/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.22	47.982152	-0.029405	-0.210943
4/16/2022 7:00	4/16/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.51	44.965554	-0.463192	-0.084587
4/16/2022 8:00	4/16/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.27	46.642589	-1.544382	-0.080529
4/16/2022 9:00	4/16/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.55	55.890621	1.346837	-0.001216
4/16/2022 10:00	4/16/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.85	45.829361	1.030981	-0.053286
4/16/2022 11:00	4/16/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.3	51.175656	1.763743	0.112747
4/16/2022 12:00	4/16/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.63	107.718703	9.547134	0.544902
4/16/2022 13:00	4/16/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.78	57.928024	3.923805	0.229219
4/16/2022 14:00	4/16/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.47	54.521281	2.827825	0.220122
4/16/2022 15:00	4/16/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.79	47.76126	0.960893	0.009533
4/16/2022 16:00	4/16/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.28	46.871095	1.635518	-0.04859
4/16/2022 17:00	4/16/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.74	45.982721	0.705565	-0.463678
4/16/2022 18:00	4/16/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.85	42.669209	-0.238042	-0.941916
4/16/2022 19:00	4/16/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.56	41.335819	-0.896544	-1.323471
4/16/2022 20:00	4/16/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.89	42.098955	-9.595858	-2.192687
4/16/2022 21:00	4/16/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.57	39.90318	-8.343768	-2.321385
4/16/2022 22:00	4/16/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.46	41.559839	-0.977359	-1.922802
4/16/2022 23:00	4/16/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.89	46.955147	0.072991	-2.003677
4/17/2022 0:00	4/16/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.68	61.372536	3.268155	-1.575619
4/17/2022 1:00	4/16/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.04	65.470894	3.031675	-0.597448
4/17/2022 2:00	4/16/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.34	75.807126	3.819923	-0.349463
4/17/2022 3:00	4/16/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.05	54.993801	1.157048	-0.21408
4/17/2022 4:00	4/17/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.58	42.915226	-0.471214	-0.195227
4/17/2022 5:00	4/17/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.29	42.661045	-0.352718	-0.276237
4/17/2022 6:00	4/17/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.36	46.40076	0.020883	0.01821
4/17/2022 7:00	4/17/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.08	46.300318	0.038334	0.183651
4/17/2022 8:00	4/17/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.52	44.677041	-0.030283	0.19149
4/17/2022 9:00	4/17/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44	44.450696	0.201558	0.250805
4/17/2022 10:00	4/17/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.83	47.759462	0.559088	0.368708
4/17/2022 11:00	4/17/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.99	52.049598	1.648238	0.413026
4/17/2022 12:00	4/17/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.75	55.868616	2.77823	0.339554
4/17/2022 13:00	4/17/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.09	48.743696	1.66179	-0.003928
4/17/2022 14:00	4/17/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.9	48.290474	1.751476	-0.356835
4/17/2022 15:00	4/17/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.06	49.688178	0.870969	-0.246958
4/17/2022 16:00	4/17/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.85	49.226277	0.456419	-0.075975
4/17/2022 17:00	4/17/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.79	50.417028	0.606041	0.025986
4/17/2022 18:00	4/17/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.26	49.314959	1.074177	-0.020052
4/17/2022 19:00	4/17/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.28	46.262979	1.184469	-0.200657
4/17/2022 20:00	4/17/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.89	45.75792	3.144237	-0.275483
4/17/2022 21:00	4/17/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.18	43.066208	1.21155	-0.327841
4/17/2022 22:00	4/17/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.94	51.724203	2.095289	-0.315253
4/17/2022 23:00	4/17/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.62	52.344391	2.24403	-0.519639
4/18/2022 0:00	4/17/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.83	65.839975	4.478854	-0.472212
4/18/2022 1:00	4/17/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.98	61.017073	2.196874	-0.163134
4/18/2022 2:00	4/17/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.68	65.154569	3.362107	0.112462
4/18/2022 3:00	4/17/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.85	57.906211	0.863396	0.191982

4/18/2022 4:00	4/18/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.79	57.551068	3.753727	0.004008
4/18/2022 5:00	4/18/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.26	62.607426	1.148221	0.200872
4/18/2022 6:00	4/18/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.87	57.704958	1.218179	0.618445
4/18/2022 7:00	4/18/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.64	56.295333	0.596584	1.062916
4/18/2022 8:00	4/18/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.45	64.54993	3.951644	1.148286
4/18/2022 9:00	4/18/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.57	93.683807	10.576425	1.539048
4/18/2022 10:00	4/18/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.57	79.068884	10.163581	0.339469
4/18/2022 11:00	4/18/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.1	120.354128	15.586251	0.672044
4/18/2022 12:00	4/18/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	145.2	165.848628	19.404611	1.24485
4/18/2022 13:00	4/18/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	187.19	216.325894	28.254131	0.88343
4/18/2022 14:00	4/18/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	215.22	248.405268	31.782254	1.408014
4/18/2022 15:00	4/18/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.11	141.822018	13.861186	0.849165
4/18/2022 16:00	4/18/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	176.81	194.891809	17.540553	0.54209
4/18/2022 17:00	4/18/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.86	118.197283	0.366231	-1.023948
4/18/2022 18:00	4/18/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.67	94.779543	0.420105	-1.309729
4/18/2022 19:00	4/18/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.7	82.688724	-0.683917	-1.329026
4/18/2022 20:00	4/18/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.9	124.839604	-0.705385	-2.358345
4/18/2022 21:00	4/18/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.13	114.734387	-0.088084	-3.307528
4/18/2022 22:00	4/18/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.99	73.69871	-1.168212	-3.119745
4/18/2022 23:00	4/18/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.93	71.540292	-0.880365	-3.509343
4/19/2022 0:00	4/18/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.33	74.035413	2.185834	-2.475421
4/19/2022 1:00	4/18/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.76	83.108972	3.327768	-1.977963
4/19/2022 2:00	4/18/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.07	73.850009	3.507861	-1.724518
4/19/2022 3:00	4/18/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.06	68.907403	0.608781	-1.756378
4/19/2022 4:00	4/19/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.1	54.684327	-0.934409	-1.485431
4/19/2022 5:00	4/19/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.66	50.673894	0.408339	-1.394445
4/19/2022 6:00	4/19/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.38	53.359142	-1.757264	-1.261927
4/19/2022 7:00	4/19/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.72	63.036728	-1.326349	-1.35859
4/19/2022 8:00	4/19/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.42	79.671282	6.622929	-1.373313
4/19/2022 9:00	4/19/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.21	64.122765	6.221348	-1.311917
4/19/2022 10:00	4/19/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.31	83.898936	4.222857	-1.635587
4/19/2022 11:00	4/19/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.76	75.136541	0.523453	-1.150246
4/19/2022 12:00	4/19/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.2	82.161792	2.865457	0.100502
4/19/2022 13:00	4/19/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.1	122.567025	6.527796	1.935063
4/19/2022 14:00	4/19/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.39	103.617853	7.267031	1.959154
4/19/2022 15:00	4/19/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	167.92	183.573384	13.046985	2.602232
4/19/2022 16:00	4/19/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.31	93.570704	9.41394	0.84843
4/19/2022 17:00	4/19/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.32	85.619206	3.476648	0.820058
4/19/2022 18:00	4/19/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.03	67.915315	3.290782	0.596199
4/19/2022 19:00	4/19/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.47	72.632628	1.785724	0.377737
4/19/2022 20:00	4/19/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.25	62.580078	0.363844	-0.030432
4/19/2022 21:00	4/19/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.58	70.656904	2.33792	-0.259349
4/19/2022 22:00	4/19/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.11	76.825559	3.238335	-0.517776
4/19/2022 23:00	4/19/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.25	129.226516	0.825426	-0.850578
4/20/2022 0:00	4/19/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	142.96	150.151054	7.51053	-0.316976
4/20/2022 1:00	4/19/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.11	110.219125	5.70801	0.398615
4/20/2022 2:00	4/19/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.51	94.33283	5.653907	0.168923
4/20/2022 3:00	4/19/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.23	79.605056	4.932882	0.44634
4/20/2022 4:00	4/20/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.19	67.60464	0.765868	0.647939
4/20/2022 5:00	4/20/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.27	68.068686	0.256136	0.546717
4/20/2022 6:00	4/20/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.11	73.484231	12.084916	0.287649
4/20/2022 7:00	4/20/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.33	78.84399	11.377231	0.140925
4/20/2022 8:00	4/20/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.24	108.271334	16.234431	-0.207264
4/20/2022 9:00	4/20/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.86	84.02731	15.118641	-0.947165
4/20/2022 10:00	4/20/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	153.24	183.728003	33.244617	-2.754114
4/20/2022 11:00	4/20/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.5	80.472012	3.700269	-1.730757
4/20/2022 12:00	4/20/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.85	72.199239	5.122891	-0.768652
4/20/2022 13:00	4/20/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.4	73.609585	4.931291	0.275794
4/20/2022 14:00	4/20/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.46	62.945334	5.031999	0.450836
4/20/2022 15:00	4/20/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.42	56.466084	0.775844	0.266073
4/20/2022 16:00	4/20/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.15	60.205367	1.524796	0.534738
4/20/2022 17:00	4/20/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.18	54.760438	0.037929	0.542509
4/20/2022 18:00	4/20/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.82	50.364729	-0.695404	0.242634
4/20/2022 19:00	4/20/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.19	52.670638	-1.3695	-0.147361
4/20/2022 20:00	4/20/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.89	47.008512	-1.499864	-0.384958
4/20/2022 21:00	4/20/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.29	63.943375	0.808315	-1.153274
4/20/2022 22:00	4/20/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.02	57.330052	-1.623985	-1.06263
4/20/2022 23:00	4/20/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.03	68.414179	-1.309808	-1.309346
4/21/2022 0:00	4/20/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.15	81.085241	1.738376	-1.802302
4/21/2022 1:00	4/20/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.82	67.028987	1.313672	-1.105518
4/21/2022 2:00	4/20/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.3	49.568676	-0.918232	-0.813092
4/21/2022 3:00	4/20/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.64	44.59515	-1.191549	-0.849134
4/21/2022 4:00	4/21/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.48	43.414949	-1.113725	-0.952993
4/21/2022 5:00	4/21/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.77	42.7641	-1.165386	-0.841347
4/21/2022 6:00	4/21/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.82	42.035748	-1.077409	-0.70601
4/21/2022 7:00	4/21/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.36	41.561335	-1.009466	-0.791699
4/21/2022 8:00	4/21/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.63	40.346373	-1.201926	-1.082534
4/21/2022 9:00	4/21/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.03	42.788701	-1.193243	-1.052222
4/21/2022 10:00	4/21/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.4	72.56221	1.627504	-1.462794
4/21/2022 11:00	4/21/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.59	74.18	2.225196	-0.63103
4/21/2022 12:00	4/21/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.16	67.721305	5.127301	0.433171
4/21/2022 13:00	4/21/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.59	151.294553	15.865911	2.836142
4/21/2022 14:00	4/21/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.13	75.260805	5.578753	1.547885
4/21/2022 15:00	4/21/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.64	105.906777	10.339753	1.923691
4/21/2022 16:00	4/21/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.26	63.491039	3.162737	1.067469
4/21/2022 17:00	4/21/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.91	86.968871	6.774279	1.286259
4/21/2022 18:00	4/21/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.46	80.034874	5.402318	1.173389
4/21/2022 19:00	4/21/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.04	68.775456	-0.350117	1.08974
4/21/2022 20:00	4/21/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.26	101.523298	1.984658	1.278639
4/21/2022 21:00	4/21/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.19	85.411934	5.791412	0.427189
4/21/2022 22:00	4/21/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.79	129.475112	13.675679	0.0111
4/21/2022 23:00	4/21/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.99	72.147706	4.970667	0.187039
4/22/2022 0:00	4/21/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.6	105.504823	11.149279	0.760544
4/22/2022 1:00	4/21/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.02	83.402203	7.056281	1.324255
4/22/2022 2:00	4/21/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.3	59.686776	3.524122	0.860154
4/22/2022 3:00	4/21/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.57	52.774395	1.349751	0.852144
4/22/2022 4:00	4/22/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.46	54.277518	1.334012	0.486006
4/22/2022 5:00	4/22/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.07	51.437236	1.129269	0.2338
4/22/2022 6:00	4/22/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.16	48.729265	0.381842	0.185756
4/22/2022 7:00	4/22/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.23	50.829223	1.514378	0.081512
4/22/2022 8:00	4/22/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.73	52.141758	3.564814	-0.151389
4/22/2022 9:00	4/22/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.3	61.145256	5.065401	-0.223478
4/22/2022 10:00	4/22/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.28	81.27515	7.044283	-0.049133
4/22/2022 11:00	4/22/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.35	70.572805	2.336655	-0.109683
4/22/2022 12:00	4/22/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.87	51.440492	2.561681	0.005478
4/22/2022 13:00	4/22/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.14	58.347574	2.99862	0.208121
4/22/2022 14:00	4/22/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.21	52.26068	1.709965	0.344881

4/22/2022 15:00	4/22/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.22	49.847934	-8.764053	0.395321
4/22/2022 16:00	4/22/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.14	53.651728	-8.477583	-0.014857
4/22/2022 17:00	4/22/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.33	50.198717	-10.1357	0.006917
4/22/2022 18:00	4/22/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.7	48.19983	-10.425322	-0.077347
4/22/2022 19:00	4/22/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.02	56.029039	-9.704175	-0.286786
4/22/2022 20:00	4/22/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.34	62.302814	-24.199585	-0.839267
4/22/2022 21:00	4/22/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.53	58.467801	-15.758209	-1.300657
4/22/2022 22:00	4/22/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.33	63.489754	1.627178	-1.469091
4/22/2022 23:00	4/22/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.62	61.157765	1.1639	-1.624469
4/23/2022 0:00	4/22/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.4	63.762247	-6.573863	-2.065556
4/23/2022 1:00	4/22/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.26	34.497733	-10.380683	-1.378251
4/23/2022 2:00	4/22/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.66	29.983646	-11.267574	-1.405447
4/23/2022 3:00	4/22/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.44	4.62273	-46.214829	-1.598274
4/23/2022 4:00	4/23/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.79	27.640167	-27.408081	-1.740918
4/23/2022 5:00	4/23/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.12	53.857968	-6.756667	-1.504532
4/23/2022 6:00	4/23/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.53	42.737911	1.287537	-1.082127
4/23/2022 7:00	4/23/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.13	45.332863	2.357769	-1.152405
4/23/2022 8:00	4/23/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.09	49.505279	12.36567	-0.949557
4/23/2022 9:00	4/23/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.3	51.862017	9.754747	-1.18773
4/23/2022 10:00	4/23/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.03	59.455447	3.066992	-1.641546
4/23/2022 11:00	4/23/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.68	43.38553	2.179051	-1.477688
4/23/2022 12:00	4/23/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.56	39.288829	-1.645428	-1.628243
4/23/2022 13:00	4/23/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.69	40.460122	-1.935663	-1.298382
4/23/2022 14:00	4/23/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.33	38.335821	-2.98864	-1.008039
4/23/2022 15:00	4/23/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.56	33.838208	-5.877234	-0.842891
4/23/2022 16:00	4/23/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.85	37.874405	-4.173663	-0.802765
4/23/2022 17:00	4/23/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.08	47.075124	-4.092852	-0.915358
4/23/2022 18:00	4/23/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.97	42.155118	-16.84396	-0.971755
4/23/2022 19:00	4/23/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.23	44.404788	-16.939902	-0.884477
4/23/2022 20:00	4/23/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.09	50.689154	-17.414453	-0.986394
4/23/2022 21:00	4/23/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.58	56.942758	-19.364351	-1.272057
4/23/2022 22:00	4/23/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.56	59.665947	-9.724583	-1.170303
4/23/2022 23:00	4/23/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.68	86.187279	-6.90001	-1.588544
4/24/2022 0:00	4/23/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.14	86.607468	-5.078059	-1.457805
4/24/2022 1:00	4/23/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.31	76.562437	-3.743191	-1.006039
4/24/2022 2:00	4/23/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.87	53.845429	-6.068369	-0.959535
4/24/2022 3:00	4/23/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.2	42.106659	1.828541	-0.926048
4/24/2022 4:00	4/24/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.54	34.642975	-0.887294	-1.005565
4/24/2022 5:00	4/24/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.97	37.012905	-0.865382	-1.090047
4/24/2022 6:00	4/24/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.14	37.172468	2.00847	-0.971835
4/24/2022 7:00	4/24/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.23	37.473943	3.208098	-0.965822
4/24/2022 8:00	4/24/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.39	33.627716	-2.759566	-1.006052
4/24/2022 9:00	4/24/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.3	32.649321	-3.68818	-0.962499
4/24/2022 10:00	4/24/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.07	30.799144	-3.307818	-0.961371
4/24/2022 11:00	4/24/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.16	27.02595	-4.13188	-1.005503
4/24/2022 12:00	4/24/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.12	26.858588	-3.392657	-0.867089
4/24/2022 13:00	4/24/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.21	28.679564	-3.718963	-0.80814
4/24/2022 14:00	4/24/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.27	33.97041	-3.602145	-0.693279
4/24/2022 15:00	4/24/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.63	33.4662	-16.452901	-0.710899
4/24/2022 16:00	4/24/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.5	56.928635	-12.525397	-1.044301
4/24/2022 17:00	4/24/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.15	53.170365	-10.925987	-1.056982
4/24/2022 18:00	4/24/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.19	54.433215	-29.17712	-1.579665
4/24/2022 19:00	4/24/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.19	64.22704	-33.954479	-2.012647
4/24/2022 20:00	4/24/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.15	65.406566	-26.944975	-1.800959
4/24/2022 21:00	4/24/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.31	80.389004	-33.105352	-2.813144
4/24/2022 22:00	4/24/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	145.91	111.630659	-30.574288	-3.701719
4/24/2022 23:00	4/24/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	162.2	146.895487	-11.269062	-4.030452
4/25/2022 0:00	4/24/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.26	97.130315	-3.318006	-1.814179
4/25/2022 1:00	4/24/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.82	103.265747	2.114683	-0.665603
4/25/2022 2:00	4/24/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.39	67.838295	2.723696	-0.272067
4/25/2022 3:00	4/24/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.75	52.257153	-0.276635	-0.215379
4/25/2022 4:00	4/25/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.66	56.067998	2.662771	-0.253107
4/25/2022 5:00	4/25/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.54	52.930026	1.451273	-0.064581
4/25/2022 6:00	4/25/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.22	48.441366	1.034711	0.189155
4/25/2022 7:00	4/25/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.5	45.403231	0.689677	0.218553
4/25/2022 8:00	4/25/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.79	46.356333	1.301745	0.265422
4/25/2022 9:00	4/25/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.82	60.299289	5.271634	0.206821
4/25/2022 10:00	4/25/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.88	69.04642	6.708419	0.457168
4/25/2022 11:00	4/25/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.46	97.216126	6.244461	1.508332
4/25/2022 12:00	4/25/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.73	72.507281	1.654745	1.126703
4/25/2022 13:00	4/25/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.36	78.43738	1.724135	1.350746
4/25/2022 14:00	4/25/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.56	77.702486	-5.050633	1.189785
4/25/2022 15:00	4/25/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.59	77.336639	0	0.750806
4/25/2022 16:00	4/25/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.4	81.167813	-0.055225	0.821371
4/25/2022 17:00	4/25/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.02	84.487224	1.808817	0.663407
4/25/2022 18:00	4/25/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.88	74.607398	-2.105516	-0.167087
4/25/2022 19:00	4/25/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.43	57.993534	-9.873876	-0.562591
4/25/2022 20:00	4/25/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.63	57.415878	-4.2029	-1.009555
4/25/2022 21:00	4/25/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.14	62.606552	-17.588622	-1.943159
4/25/2022 22:00	4/25/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.57	64.445309	-6.122063	-2.001795
4/25/2022 23:00	4/25/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.72	106.512478	2.1698	-3.381488
4/26/2022 0:00	4/25/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.86	116.395247	5.488708	-2.955961
4/26/2022 1:00	4/25/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.32	81.373516	2.484235	-1.425719
4/26/2022 2:00	4/25/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.52	78.723276	4.096669	-0.893393
4/26/2022 3:00	4/25/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.58	44.918558	1.009095	-0.668037
4/26/2022 4:00	4/26/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.4	43.46756	-1.182566	-0.749874
4/26/2022 5:00	4/26/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.22	56.067987	0.340649	-0.490162
4/26/2022 6:00	4/26/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.76	44.539778	0.007465	-0.230187
4/26/2022 7:00	4/26/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.76	43.669097	0.007363	-0.0966
4/26/2022 8:00	4/26/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.29	46.538064	0.341363	-0.089966
4/26/2022 9:00	4/26/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.1	56.514432	0.256483	0.158782
4/26/2022 10:00	4/26/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.7	74.955417	1.708664	0.545919
4/26/2022 11:00	4/26/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.16	61.856501	-1.774126	0.468961
4/26/2022 12:00	4/26/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.43	65.579973	-12.454408	0.604381
4/26/2022 13:00	4/26/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.37	68.853386	-8.616257	1.098809
4/26/2022 14:00	4/26/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.7	73.605017	-4.426921	1.329438
4/26/2022 15:00	4/26/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.15	75.990053	-2.721058	1.559444
4/26/2022 16:00	4/26/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.12	72.132003	-19.861866	0.875536
4/26/2022 17:00	4/26/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.5	89.806843	-11.83755	0.14356
4/26/2022 18:00	4/26/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.53	79.897687	-20.628113	-1.0017
4/26/2022 19:00	4/26/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.04	68.277549	-21.604319	-2.159798
4/26/2022 20:00	4/26/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.19	73.565485	-18.19352	-2.427661
4/26/2022 21:00	4/26/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.92	84.802338	-6.482311	-2.632018
4/26/2022 22:00	4/26/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.78	65.430164	6.108207	-1.455543
4/26/2022 23:00	4/26/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.93	71.836044	5.255437	-1.346059
4/27/2022 0:00	4/26/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.4	95.65722	-0.11152	-0.630427
4/27/2022 1:00	4/26/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.85	68.665611	1.502898	0.311047

4/27/2022 2:00	4/26/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.06	69.043867	2.248863	0.737504
4/27/2022 3:00	4/26/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.24	47.27671	0.667288	0.366088
4/27/2022 4:00	4/27/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.22	50.211553	2.613488	0.383066
4/27/2022 5:00	4/27/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.87	51.903153	6.576928	0.456225
4/27/2022 6:00	4/27/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.41	50.596686	2.554284	0.636569
4/27/2022 7:00	4/27/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.45	48.727438	3.678239	0.601698
4/27/2022 8:00	4/27/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.2	56.885355	6.971305	0.715716
4/27/2022 9:00	4/27/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.11	47.302807	7.585365	0.607442
4/27/2022 10:00	4/27/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.44	68.637669	7.167134	1.030536
4/27/2022 11:00	4/27/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.83	68.092856	3.028239	1.238783
4/27/2022 12:00	4/27/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.65	58.348735	1.212293	1.482275
4/27/2022 13:00	4/27/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.99	60.860578	2.7421	1.131811
4/27/2022 14:00	4/27/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.11	77.927338	15.254804	0.559201
4/27/2022 15:00	4/27/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.01	72.561388	21.41796	0.135094
4/27/2022 16:00	4/27/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48	59.863572	11.566493	0.301246
4/27/2022 17:00	4/27/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.71	85.01995	19.449063	0.857554
4/27/2022 18:00	4/27/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.13	60.959734	14.236636	0.588931
4/27/2022 19:00	4/27/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.58	57.184414	16.258147	0.348767
4/27/2022 20:00	4/27/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.54	55.281293	10.371	0.36696
4/27/2022 21:00	4/27/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.63	64.124065	18.317886	0.175346
4/27/2022 22:00	4/27/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.82	87.008268	20.990176	0.193925
4/27/2022 23:00	4/27/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.45	90.813385	21.567755	-0.204369
4/28/2022 0:00	4/27/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.01	123.605144	21.241548	-0.643904
4/28/2022 1:00	4/27/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.85	94.978556	18.404749	-0.274526
4/28/2022 2:00	4/27/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.19	67.587284	16.547944	-0.14816
4/28/2022 3:00	4/27/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.12	93.357907	21.267274	-0.026034
4/28/2022 4:00	4/28/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.95	62.630887	20.547424	0.134297
4/28/2022 5:00	4/28/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.37	59.969042	21.523129	0.073413
4/28/2022 6:00	4/28/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.53	65.374925	21.566166	0.275426
4/28/2022 7:00	4/28/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.33	69.487019	21.822531	0.330322
4/28/2022 8:00	4/28/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.35	63.307737	20.830861	0.126875
4/28/2022 9:00	4/28/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.43	75.314502	20.847691	0.04181
4/28/2022 10:00	4/28/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.8	89.252882	19.093077	-0.639361
4/28/2022 11:00	4/28/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.13	73.773675	12.909867	-1.262859
4/28/2022 12:00	4/28/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.25	73.667926	2.404926	-0.991166
4/28/2022 13:00	4/28/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.01	79.935499	1.234632	-0.307467
4/28/2022 14:00	4/28/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.61	66.559942	0.415166	0.538109
4/28/2022 15:00	4/28/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.89	62.068906	-3.331995	0.515068
4/28/2022 16:00	4/28/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.5	64.85627	-1.606633	0.967069
4/28/2022 17:00	4/28/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.6	65.768163	0.896813	1.271349
4/28/2022 18:00	4/28/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.38	58.788758	1.455456	0.953302
4/28/2022 19:00	4/28/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.75	57.891001	-0.650452	0.787287
4/28/2022 20:00	4/28/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.05	59.635258	1.291881	0.29421
4/28/2022 21:00	4/28/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.73	53.674737	0.93559	0.009147
4/28/2022 22:00	4/28/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.99	58.29939	0.412064	-0.10434
4/28/2022 23:00	4/28/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.06	73.668866	5.256538	-0.647672
4/29/2022 0:00	4/28/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.93	108.244088	-2.777336	-1.912743
4/29/2022 1:00	4/28/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.23	67.825745	1.89137	-1.293125
4/29/2022 2:00	4/28/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.15	61.150394	-2.675375	-1.328398
4/29/2022 3:00	4/28/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.71	58.531892	0.913024	-1.086132
4/29/2022 4:00	4/29/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.97	57.727584	6.857884	-1.099467
4/29/2022 5:00	4/29/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.64	65.200892	2.701055	-1.140163
4/29/2022 6:00	4/29/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.68	55.644759	4.655034	-0.686941
4/29/2022 7:00	4/29/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.71	56.548276	3.50801	-0.670567
4/29/2022 8:00	4/29/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.48	57.162479	2.703392	-1.024247
4/29/2022 9:00	4/29/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.93	63.88889	3.598379	-1.637823
4/29/2022 10:00	4/29/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.01	66.383803	2.227525	-1.848722
4/29/2022 11:00	4/29/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.05	68.043337	0.01607	-2.021066
4/29/2022 12:00	4/29/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.62	57.764555	0.176398	-1.026843
4/29/2022 13:00	4/29/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.62	69.483949	1.681066	-0.813784
4/29/2022 14:00	4/29/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.13	68.526693	0.969264	-0.570071
4/29/2022 15:00	4/29/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.02	61.241991	2.68227	-0.459445
4/29/2022 16:00	4/29/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.52	58.068412	2.05913	-0.512385
4/29/2022 17:00	4/29/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.74	64.260642	-6.884675	-0.592183
4/29/2022 18:00	4/29/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.75	57.536587	-6.59872	-0.612193
4/29/2022 19:00	4/29/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.14	53.519657	-1.003907	-0.615603
4/29/2022 20:00	4/29/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.17	49.948429	-4.617026	-0.602878
4/29/2022 21:00	4/29/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52	49.378441	-2.090659	-0.533401
4/29/2022 22:00	4/29/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.29	80.517901	2.538983	-1.311082
4/29/2022 23:00	4/29/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.07	55.813554	-2.810949	-1.44133
4/30/2022 0:00	4/29/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.41	57.931791	-4.691344	-1.782698
4/30/2022 1:00	4/29/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.12	64.44792	-0.801703	-1.867877
4/30/2022 2:00	4/29/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.71	47.778622	-1.404102	-1.523943
4/30/2022 3:00	4/29/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.62	45.484916	-4.619625	-1.516292
4/30/2022 4:00	4/30/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.06	42.178157	-0.290241	-1.594103
4/30/2022 5:00	4/30/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.64	49.667816	9.492874	-1.463392
4/30/2022 6:00	4/30/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.16	49.51759	12.559284	-1.201693
4/30/2022 7:00	4/30/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.96	48.827909	12.051099	-1.18069
4/30/2022 8:00	4/30/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.53	47.670609	11.346239	-1.208963
4/30/2022 9:00	4/30/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.66	50.407693	11.927194	-1.175335
4/30/2022 10:00	4/30/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.74	47.955449	6.65865	-1.447368
4/30/2022 11:00	4/30/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.11	43.644914	2.94105	-1.401136
4/30/2022 12:00	4/30/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.08	44.872875	6.046739	-1.255531
4/30/2022 13:00	4/30/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.12	43.493041	-0.532465	-1.09616
4/30/2022 14:00	4/30/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.89	52.941883	0.021473	-0.972923
4/30/2022 15:00	4/30/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.68	51.907272	1.208129	-0.978358
4/30/2022 16:00	4/30/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.01	46.826151	-0.417528	-0.768821
4/30/2022 17:00	4/30/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.85	44.497744	2.476334	-0.824424
4/30/2022 18:00	4/30/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.74	41.844194	-0.888739	-1.002067
4/30/2022 19:00	4/30/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.48	39.090944	-4.354469	-1.033754
4/30/2022 20:00	4/30/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.05	55.427349	-1.348422	-1.270062
4/30/2022 21:00	4/30/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.98	43.828913	-3.24795	-0.90147
4/30/2022 22:00	4/30/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.81	46.524968	-4.326019	-0.956513
4/30/2022 23:00	4/30/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.76	48.999834	-3.746027	-1.015806
5/1/2022 0:00	4/30/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.42	52.15952	-4.100957	-1.16119
5/1/2022 1:00	4/30/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.64	68.519584	-1.872423	-1.251326
5/1/2022 2:00	4/30/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.07	44.080942	-4.077837	-0.912888
5/1/2022 3:00	4/30/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.37	37.683293	-3.573334	-1.110873
5/1/2022 4:00	5/1/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.96	35.73833	-2.780745	-1.438425
5/1/2022 5:00	5/1/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.35	42.905134	-1.159951	-1.289082
5/1/2022 6:00	5/1/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.58	43.521305	0.047111	-1.105806
5/1/2022 7:00	5/1/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.72	44.065062	-1.717292	-0.93848
5/1/2022 8:00	5/1/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.59	43.430197	-1.315228	-0.845409
5/1/2022 9:00	5/1/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.96	46.126831	0.249243	-1.082413
5/1/2022 10:00	5/1/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.14	49.037136	3.06815	-1.174348
5/1/2022 11:00	5/1/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.42	47.463486	2.303298	-1.260645
5/1/2022 12:00	5/1/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.35	43.403798	3.019595	-0.961631

5/1/2022 13:00	5/1/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.52	45.705362	2.998202	-0.812839
5/1/2022 14:00	5/1/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.69	41.080227	-1.751647	-0.856459
5/1/2022 15:00	5/1/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.69	38.489974	-4.308372	-0.89332
5/1/2022 16:00	5/1/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.35	37.452981	-3.892808	-1.000877
5/1/2022 17:00	5/1/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.53	39.880009	-1.527553	-1.121605
5/1/2022 18:00	5/1/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.09	46.983547	-3.647284	-1.462502
5/1/2022 19:00	5/1/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.21	50.962168	-1.548887	-1.698112
5/1/2022 20:00	5/1/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.77	46.071303	-2.918914	-1.774782
5/1/2022 21:00	5/1/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.57	61.448861	-3.874625	-2.248181
5/1/2022 22:00	5/1/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.67	64.222795	-8.043517	-2.403688
5/1/2022 23:00	5/1/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.09	55.494473	-14.45494	-2.139754
5/2/2022 0:00	5/1/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.05	68.808899	-6.027275	-2.211326
5/2/2022 1:00	5/1/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.57	72.249943	-2.856769	-1.467455
5/2/2022 2:00	5/1/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.9	54.139515	0.205409	-0.964227
5/2/2022 3:00	5/1/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.02	45.327532	-0.713687	-0.977947
5/2/2022 4:00	5/2/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.7	42.79513	0.001667	-0.905703
5/2/2022 5:00	5/2/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.59	43.941324	0.001493	-0.651835
5/2/2022 6:00	5/2/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.96	43.413627	0.005107	-0.555646
5/2/2022 7:00	5/2/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.02	43.809132	0.076443	-0.286478
5/2/2022 8:00	5/2/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.94	42.926653	0.167376	-0.175722
5/2/2022 9:00	5/2/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.75	54.491312	5.943428	-0.200449
5/2/2022 10:00	5/2/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.95	90.723404	2.989249	-0.214178
5/2/2022 11:00	5/2/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.01	73.236547	0.218382	0.005664
5/2/2022 12:00	5/2/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.58	79.926231	0.016519	0.331378
5/2/2022 13:00	5/2/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.82	87.580007	-0.005486	0.763826
5/2/2022 14:00	5/2/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.49	77.098516	0.68493	0.927753
5/2/2022 15:00	5/2/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.39	115.120492	7.082055	1.648436
5/2/2022 16:00	5/2/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.55	89.622497	-13.995809	1.069973
5/2/2022 17:00	5/2/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126.26	106.753406	-20.444164	0.938403
5/2/2022 18:00	5/2/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.42	89.848675	-20.891147	0.317321
5/2/2022 19:00	5/2/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.68	104.08719	-19.371488	-0.217989
5/2/2022 20:00	5/2/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.86	97.720282	-15.888185	-1.252367
5/2/2022 21:00	5/2/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.89	105.173623	-19.001349	-1.712528
5/2/2022 22:00	5/2/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	179.96	162.022905	-14.709419	-3.229343
5/2/2022 23:00	5/2/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.13	102.133399	-18.558402	-2.440699
5/3/2022 0:00	5/2/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.23	96.653737	-20.240307	-2.338456
5/3/2022 1:00	5/2/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.91	78.530912	4.843294	-1.223216
5/3/2022 2:00	5/2/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.92	74.157273	4.625455	-0.387349
5/3/2022 3:00	5/2/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.87	67.004776	0.249744	-0.119135
5/3/2022 4:00	5/3/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.5	53.595886	-1.585875	-0.313238
5/3/2022 5:00	5/3/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.5	45.442684	-1.541972	-0.512844
5/3/2022 6:00	5/3/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.38	47.437514	-0.29946	-0.647192
5/3/2022 7:00	5/3/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.39	42.630787	2.887341	-0.64572
5/3/2022 8:00	5/3/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.89	43.166853	3.901576	-0.62389
5/3/2022 9:00	5/3/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.74	39.79022	0.726278	-0.671891
5/3/2022 10:00	5/3/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.09	49.257249	-1.825379	-1.009872
5/3/2022 11:00	5/3/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.46	54.36379	-4.304425	-0.795953
5/3/2022 12:00	5/3/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.54	56.447406	-1.737027	-0.351401
5/3/2022 13:00	5/3/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.05	68.035068	1.250135	-0.269233
5/3/2022 14:00	5/3/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.64	124.241968	8.656502	-0.054534
5/3/2022 15:00	5/3/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.02	110.500164	3.81067	-0.332173
5/3/2022 16:00	5/3/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.67	74.131609	0.81191	-0.349468
5/3/2022 17:00	5/3/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.84	99.725608	3.327108	-0.439
5/3/2022 18:00	5/3/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.16	92.847477	1.919022	-0.234045
5/3/2022 19:00	5/3/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.8	66.606748	-0.921688	-0.270731
5/3/2022 20:00	5/3/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.48	61.866931	-2.77886	-0.838376
5/3/2022 21:00	5/3/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.34	85.673733	0.525609	-1.191042
5/3/2022 22:00	5/3/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.47	83.258467	-5.484408	-1.723792
5/3/2022 23:00	5/3/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.24	68.032076	-2.776473	-1.430618
5/4/2022 0:00	5/3/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.7	74.377459	-3.794033	-1.526008
5/4/2022 1:00	5/3/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.97	59.496649	-2.676021	-0.792331
5/4/2022 2:00	5/3/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.25	60.431969	-2.491436	-0.322429
5/4/2022 3:00	5/3/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.91	46.844198	-2.910452	-0.159517
5/4/2022 4:00	5/4/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.99	47.148739	-2.776904	-0.066857
5/4/2022 5:00	5/4/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.92	49.108835	-0.763355	-0.046977
5/4/2022 6:00	5/4/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.01	51.164953	0.006242	0.151212
5/4/2022 7:00	5/4/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.89	52.106838	0.00832	0.204351
5/4/2022 8:00	5/4/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.42	56.907093	0.023508	0.468585
5/4/2022 9:00	5/4/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.04	90.231194	4.770293	0.421734
5/4/2022 10:00	5/4/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.43	64.156938	3.879142	-0.155536
5/4/2022 11:00	5/4/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.31	84.574603	5.175031	0.088739
5/4/2022 12:00	5/4/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.62	97.426003	3.955226	0.848277
5/4/2022 13:00	5/4/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.27	98.978623	2.602251	1.104705
5/4/2022 14:00	5/4/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.59	77.566573	0.381687	0.599052
5/4/2022 15:00	5/4/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.06	79.465061	-4.274483	0.676211
5/4/2022 16:00	5/4/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.18	72.77385	-25.098115	0.695299
5/4/2022 17:00	5/4/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.28	81.302789	-23.442846	0.470635
5/4/2022 18:00	5/4/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.75	87.151626	-22.646154	0.048613
5/4/2022 19:00	5/4/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.83	83.684776	2.968236	-0.113459
5/4/2022 20:00	5/4/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	157.96	170.314641	13.672615	-1.321307
5/4/2022 21:00	5/4/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.06	79.653238	3.976353	-1.387282
5/4/2022 22:00	5/4/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.26	78.169715	2.459124	-1.551909
5/4/2022 23:00	5/4/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.3	80.348059	3.171845	-1.127953
5/5/2022 0:00	5/4/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.76	91.444791	2.50552	-0.824062
5/5/2022 1:00	5/4/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.72	89.723626	1.986514	0.014612
5/5/2022 2:00	5/4/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.15	72.882211	0.391977	0.339401
5/5/2022 3:00	5/4/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.79	67.783886	1.564727	0.429159
5/5/2022 4:00	5/5/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.81	53.539087	0	-0.268413
5/5/2022 5:00	5/5/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.17	52.918634	0	-0.252199
5/5/2022 6:00	5/5/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.89	52.942122	0	0.056288
5/5/2022 7:00	5/5/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.97	53.183564	0	0.218564
5/5/2022 8:00	5/5/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.67	53.023012	0	0.349679
5/5/2022 9:00	5/5/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.11	76.84664	0.302822	0.430485
5/5/2022 10:00	5/5/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.41	81.560591	3.806204	0.34772
5/5/2022 11:00	5/5/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.56	74.786932	2.867056	0.362376
5/5/2022 12:00	5/5/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.88	87.381757	5.425531	1.076226
5/5/2022 13:00	5/5/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.61	113.167799	9.350512	2.210621
5/5/2022 14:00	5/5/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.42	81.983796	5.007139	1.554157
5/5/2022 15:00	5/5/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.81	95.93543	7.589825	1.540605
5/5/2022 16:00	5/5/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.39	80.545902	4.020828	1.131741
5/5/2022 17:00	5/5/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.38	87.683046	5.135511	1.172535
5/5/2022 18:00	5/5/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.04	81.716736	2.788972	0.88693
5/5/2022 19:00	5/5/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.76	80.576221	2.950586	0.862301
5/5/2022 20:00	5/5/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.11	65.09823	-3.010229	-0.003208
5/5/2022 21:00	5/5/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.18	68.812949	-2.167188	-0.199863
5/5/2022 22:00	5/5/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.66	66.04753	0.756032	-0.372668
5/5/2022 23:00	5/5/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.04	76.462813	1.738376	-0.317229

5/6/2022 0:00	5/5/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.89	85.60011	4.948849	-0.237905
5/6/2022 1:00	5/5/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.22	74.77595	1.761383	-0.2071
5/6/2022 2:00	5/5/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.84	73.817985	-1.8176	-0.208582
5/6/2022 3:00	5/5/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.97	68.499706	-0.320774	-0.148686
5/6/2022 4:00	5/6/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.93	56.452698	0	-0.479802
5/6/2022 5:00	5/6/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.55	67.49471	0	-0.05779
5/6/2022 6:00	5/6/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.09	68.080195	1.261031	0.734164
5/6/2022 7:00	5/6/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.3	55.286751	0.503611	0.483973
5/6/2022 8:00	5/6/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.84	58.408959	1.197239	0.372553
5/6/2022 9:00	5/6/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.09	55.747994	0.64707	0.010091
5/6/2022 10:00	5/6/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.42	81.82706	1.549191	-0.139632
5/6/2022 11:00	5/6/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.4	110.107914	4.401301	0.302446
5/6/2022 12:00	5/6/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.69	87.264571	0	0.573738
5/6/2022 13:00	5/6/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.57	111.081171	2.261579	1.252092
5/6/2022 14:00	5/6/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.92	92.693543	0.820732	0.949477
5/6/2022 15:00	5/6/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.13	81.870041	0.087162	0.652879
5/6/2022 16:00	5/6/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.51	87.469904	1.53845	0.425621
5/6/2022 17:00	5/6/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.84	66.716449	0	-0.127717
5/6/2022 18:00	5/6/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.72	66.674898	-3.412969	-0.632133
5/6/2022 19:00	5/6/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.29	77.349327	-5.830753	-1.10492
5/6/2022 20:00	5/6/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.09	83.292903	-4.885324	-1.915106
5/6/2022 21:00	5/6/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.47	56.148161	-6.465291	-1.852382
5/6/2022 22:00	5/6/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.27	49.586408	-7.03873	-1.643195
5/6/2022 23:00	5/6/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.08	50.264227	-5.317128	-1.496146
5/7/2022 0:00	5/6/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.33	55.581269	-5.198554	-1.551011
5/7/2022 1:00	5/6/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.8	55.246232	-2.409159	-1.147943
5/7/2022 2:00	5/6/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.97	58.414508	-0.682044	-0.872615
5/7/2022 3:00	5/6/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.65	53.961266	-1.83604	-0.848528
5/7/2022 4:00	5/7/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59	54.504225	-3.320139	-1.172303
5/7/2022 5:00	5/7/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.99	61.039526	-2.076322	-0.878319
5/7/2022 6:00	5/7/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.64	52.992467	-0.853362	-0.797504
5/7/2022 7:00	5/7/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.03	50.136685	-1.098887	-0.789428
5/7/2022 8:00	5/7/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.72	50.48245	-0.368341	-0.871709
5/7/2022 9:00	5/7/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.83	48.541855	-2.263143	-1.020835
5/7/2022 10:00	5/7/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.1	47.622514	-3.133637	-1.341349
5/7/2022 11:00	5/7/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.13	47.150164	-3.515188	-1.459648
5/7/2022 12:00	5/7/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.36	73.746684	-2.712435	-1.903381
5/7/2022 13:00	5/7/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.57	85.316904	0.120089	-2.372351
5/7/2022 14:00	5/7/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.27	64.148246	0.037897	-2.162151
5/7/2022 15:00	5/7/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.52	83.6141	-3.918747	-2.98882
5/7/2022 16:00	5/7/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.47	56.667036	-4.645865	-2.155433
5/7/2022 17:00	5/7/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.1	51.755663	-6.273088	-2.072082
5/7/2022 18:00	5/7/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.6	54.75774	-4.75691	-2.083683
5/7/2022 19:00	5/7/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.19	56.690794	-4.267104	-2.229603
5/7/2022 20:00	5/7/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.33	67.014429	-5.941408	-2.371663
5/7/2022 21:00	5/7/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.09	69.25035	-1.786601	-2.049716
5/7/2022 22:00	5/7/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.92	67.175132	1.017089	-1.761957
5/7/2022 23:00	5/7/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.6	78.197843	3.460954	-1.867278
5/8/2022 0:00	5/7/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.3	84.424287	1.798347	-1.670726
5/8/2022 1:00	5/7/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.5	76.500798	3.017167	-1.017202
5/8/2022 2:00	5/7/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.77	63.710255	-0.003597	-1.059481
5/8/2022 3:00	5/7/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.7	53.374707	-1.217326	-1.1063
5/8/2022 4:00	5/8/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.87	50.545877	-1.879681	-1.444442
5/8/2022 5:00	5/8/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.34	54.092225	-1.695405	-1.554036
5/8/2022 6:00	5/8/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.92	48.902848	-0.531948	-1.48187
5/8/2022 7:00	5/8/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.21	52.492573	4.593315	-1.311575
5/8/2022 8:00	5/8/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.91	49.108811	2.504666	-1.304189
5/8/2022 9:00	5/8/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.65	49.441726	1.155682	-1.362289
5/8/2022 10:00	5/8/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.6	59.311285	12.922269	-1.21515
5/8/2022 11:00	5/8/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.77	57.171106	12.679155	-1.281383
5/8/2022 12:00	5/8/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.48	57.88956	11.876683	-1.465456
5/8/2022 13:00	5/8/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.99	59.093528	12.639547	-1.531019
5/8/2022 14:00	5/8/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.58	54.325613	1.593663	-1.847216
5/8/2022 15:00	5/8/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.11	45.675762	-3.535944	-1.89496
5/8/2022 16:00	5/8/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.18	46.609312	-2.839705	-1.73015
5/8/2022 17:00	5/8/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.6	48.989158	-1.1665	-1.441842
5/8/2022 18:00	5/8/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.86	52.6479	0	-1.207934
5/8/2022 19:00	5/8/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.56	48.763669	-1.72048	-1.071684
5/8/2022 20:00	5/8/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.05	45.831735	-4.098521	-1.118078
5/8/2022 21:00	5/8/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.56	49.525843	-3.916185	-1.118805
5/8/2022 22:00	5/8/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.7	56.176191	-4.304769	-1.219041
5/8/2022 23:00	5/8/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.56	49.395313	-4.901419	-1.259101
5/9/2022 0:00	5/8/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.45	67.118533	-5.79787	-1.532764
5/9/2022 1:00	5/8/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.43	72.18429	-4.879518	-1.370359
5/9/2022 2:00	5/8/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.69	50.71741	-4.584223	-1.385867
5/9/2022 3:00	5/8/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.33	51.265201	1.548877	-1.614509
5/9/2022 4:00	5/9/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.03	50.624764	9.255499	-1.655736
5/9/2022 5:00	5/9/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.8	48.63078	8.672358	-1.837412
5/9/2022 6:00	5/9/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.42	47.945369	10.228277	-1.706241
5/9/2022 7:00	5/9/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.71	45.896909	9.692641	-1.509898
5/9/2022 8:00	5/9/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.67	44.378127	6.298255	-1.588461
5/9/2022 9:00	5/9/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.61	51.647919	7.803694	-1.762442
5/9/2022 10:00	5/9/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.5	60.697217	7.419411	-2.221362
5/9/2022 11:00	5/9/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.97	48.367063	-1.018864	-1.584073
5/9/2022 12:00	5/9/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.57	47.571873	-2.996572	-0.999889
5/9/2022 13:00	5/9/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.37	49.452541	0.733118	-0.654744
5/9/2022 14:00	5/9/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.93	46.617733	-3.637388	-0.674879
5/9/2022 15:00	5/9/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.36	46.243612	-4.399731	-0.713323
5/9/2022 16:00	5/9/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.95	48.620676	-3.754047	-0.570277
5/9/2022 17:00	5/9/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.17	46.947461	-3.66954	-0.549665
5/9/2022 18:00	5/9/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.86	46.453648	-4.964989	-0.436364
5/9/2022 19:00	5/9/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.88	51.416476	-5.108712	-0.357311
5/9/2022 20:00	5/9/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.18	56.643307	-5.094057	-0.437636
5/9/2022 21:00	5/9/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.76	50.694488	-6.586355	-0.47999
5/9/2022 22:00	5/9/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.13	71.499952	-6.155916	-0.471632
5/9/2022 23:00	5/9/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.11	81.758774	-4.593893	-0.760666
5/10/2022 0:00	5/9/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.31	101.769811	-1.75545	-0.788906
5/10/2022 1:00	5/9/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.37	78.220232	-5.565745	-0.579024
5/10/2022 2:00	5/9/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.47	62.536967	-4.510167	-0.425365
5/10/2022 3:00	5/9/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.13	49.818849	-5.643283	-0.662868
5/10/2022 4:00	5/10/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.69	44.114904	-4.405986	-1.16411
5/10/2022 5:00	5/10/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.35	44.668204	-3.750402	-0.927227
5/10/2022 6:00	5/10/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.52	46.463772	-2.543089	-0.509806
5/10/2022 7:00	5/10/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.27	48.320147	-1.436737	-0.508951
5/10/2022 8:00	5/10/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.02	45.572532	-2.878402	-0.566566
5/10/2022 9:00	5/10/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.42	42.534577	-1.036148	-0.853442
5/10/2022 10:00	5/10/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.55	54.721223	-3.353054	-1.470723

5/10/2022 11:00	5/10/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.21	47.631347	-4.490962	-1.087692
5/10/2022 12:00	5/10/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.96	49.742625	-1.897184	-0.324358
5/10/2022 13:00	5/10/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.23	57.560116	0.912363	0.421085
5/10/2022 14:00	5/10/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.98	68.119494	1.083853	1.053141
5/10/2022 15:00	5/10/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.95	77.133037	-1.646083	1.82912
5/10/2022 16:00	5/10/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.26	96.987951	-2.814968	3.538753
5/10/2022 17:00	5/10/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.49	139.336373	5.482947	5.367593
5/10/2022 18:00	5/10/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.8	116.444512	-4.419596	5.064108
5/10/2022 19:00	5/10/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.49	101.347109	-31.990713	5.846989
5/10/2022 20:00	5/10/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.15	98.983775	-38.92073	5.757005
5/10/2022 21:00	5/10/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	185.5	154.36616	-38.503647	7.373974
5/10/2022 22:00	5/10/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	142.02	100.546782	-46.805136	5.336085
5/10/2022 23:00	5/10/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	161.95	129.968754	-38.028372	6.048793
5/11/2022 0:00	5/10/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.73	103.742293	-33.063548	5.074174
5/11/2022 1:00	5/10/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96	60.571178	-39.390254	3.966432
5/11/2022 2:00	5/10/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.05	95.532666	-3.108624	3.587957
5/11/2022 3:00	5/10/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.59	78.374412	1.356626	2.426119
5/11/2022 4:00	5/11/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.22	57.276724	1.413946	1.646111
5/11/2022 5:00	5/11/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.82	63.499415	3.13765	1.537598
5/11/2022 6:00	5/11/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.87	51.444726	0.594831	0.979895
5/11/2022 7:00	5/11/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.46	49.588591	0.274382	0.851709
5/11/2022 8:00	5/11/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.17	51.362121	0.367256	0.829865
5/11/2022 9:00	5/11/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.85	73.446416	8.533395	1.062188
5/11/2022 10:00	5/11/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.16	73.652707	9.519438	0.971602
5/11/2022 11:00	5/11/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.07	67.154487	1.756436	1.328885
5/11/2022 12:00	5/11/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.6	86.927509	3.448962	2.878548
5/11/2022 13:00	5/11/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.52	85.131327	1.196455	3.413205
5/11/2022 14:00	5/11/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.59	103.02925	-11.526782	5.970199
5/11/2022 15:00	5/11/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.54	85.874804	-49.697022	8.033493
5/11/2022 16:00	5/11/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	142.74	111.650721	-40.46284	9.372727
5/11/2022 17:00	5/11/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.9	75.31901	-55.805658	7.228002
5/11/2022 18:00	5/11/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	309.71	314.48242	-13.596432	18.364685
5/11/2022 19:00	5/11/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	186.52	177.509527	-19.428904	10.415931
5/11/2022 20:00	5/11/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	157.9	222.959572	57.608672	7.446734
5/11/2022 21:00	5/11/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.75	234.757072	93.10093	5.907808
5/11/2022 22:00	5/11/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.02	223.355609	86.471617	4.860658
5/11/2022 23:00	5/11/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.44	143.681303	14.116242	4.126728
5/12/2022 0:00	5/11/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.93	172.32223	39.12993	4.267301
5/12/2022 1:00	5/11/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.42	121.263928	-5.33096	4.170721
5/12/2022 2:00	5/11/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.25	111.730073	0.05824	3.424333
5/12/2022 3:00	5/11/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.44	100.52517	1.387149	2.702187
5/12/2022 4:00	5/12/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.81	47.545498	-0.035522	0.766853
5/12/2022 5:00	5/12/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.88	47.568542	0	0.686876
5/12/2022 6:00	5/12/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.96	46.951763	0	0.996763
5/12/2022 7:00	5/12/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.19	44.933269	0	0.741603
5/12/2022 8:00	5/12/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.82	45.341313	0	0.523813
5/12/2022 9:00	5/12/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.88	51.250181	0.9319	0.434115
5/12/2022 10:00	5/12/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.3	71.138316	3.406092	0.431391
5/12/2022 11:00	5/12/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.13	64.908521	-15.496202	0.276389
5/12/2022 12:00	5/12/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.68	84.937257	-22.130348	1.392604
5/12/2022 13:00	5/12/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.33	79.703776	-21.569022	1.938632
5/12/2022 14:00	5/12/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.91	91.191445	-20.4272	2.705312
5/12/2022 15:00	5/12/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.8	88.412885	-20.588294	3.197846
5/12/2022 16:00	5/12/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	155.96	157.438168	-3.006645	4.483146
5/12/2022 17:00	5/12/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	151.21	153.409409	-1.737443	3.934351
5/12/2022 18:00	5/12/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	145.82	143.306276	-6.157694	3.643137
5/12/2022 19:00	5/12/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	161.96	145.203717	-21.653307	4.895356
5/12/2022 20:00	5/12/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	257.51	286.956993	21.245159	8.199335
5/12/2022 21:00	5/12/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	168.34	139.746383	-33.380194	4.789077
5/12/2022 22:00	5/12/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.22	126.71897	-1.223182	3.723819
5/12/2022 23:00	5/12/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.25	121.683579	8.149972	3.285274
5/13/2022 0:00	5/12/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.38	107.14014	-8.937561	2.702701
5/13/2022 1:00	5/12/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.4	114.260268	-0.477049	2.341484
5/13/2022 2:00	5/12/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.62	83.149115	3.5583	0.970816
5/13/2022 3:00	5/12/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.48	67.168756	-1.579914	0.267837
5/13/2022 4:00	5/13/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.22	52.662431	-0.003324	-0.553412
5/13/2022 5:00	5/13/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.45	48.934428	0	-0.519738
5/13/2022 6:00	5/13/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.01	47.432421	0	-0.580079
5/13/2022 7:00	5/13/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.54	43.956373	-0.778515	-0.808445
5/13/2022 8:00	5/13/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.59	42.807198	-1.871674	-0.912795
5/13/2022 9:00	5/13/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.89	46.613768	-0.275108	-0.999457
5/13/2022 10:00	5/13/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.58	59.743281	-21.155561	-1.681158
5/13/2022 11:00	5/13/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.23	78.802624	-24.221166	-2.209543
5/13/2022 12:00	5/13/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.55	75.949433	-23.906661	-0.689739
5/13/2022 13:00	5/13/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.94	74.728493	-23.421592	0.212585
5/13/2022 14:00	5/13/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.66	106.477438	-22.599624	0.420395
5/13/2022 15:00	5/13/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.65	124.601821	-12.68185	1.63867
5/13/2022 16:00	5/13/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.55	114.899316	-9.571588	2.91757
5/13/2022 17:00	5/13/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.38	114.538429	-18.527815	3.687078
5/13/2022 18:00	5/13/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	143.53	130.39647	-17.635304	4.506775
5/13/2022 19:00	5/13/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	189.56	181.530084	-14.706531	6.681615
5/13/2022 20:00	5/13/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	140.48	129.779771	-16.00872	5.307658
5/13/2022 21:00	5/13/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	149.16	141.700444	-12.929946	5.46789
5/13/2022 22:00	5/13/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	148.05	140.310901	-12.981977	5.242045
5/13/2022 23:00	5/13/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	136.2	122.434055	-17.757447	3.991502
5/14/2022 0:00	5/13/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.02	95.751854	-19.865069	2.600256
5/14/2022 1:00	5/13/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.29	118.952407	-12.16543	2.826171
5/14/2022 2:00	5/13/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.06	100.386254	0.485685	1.845569
5/14/2022 3:00	5/13/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.04	83.528974	0	1.488974
5/14/2022 4:00	5/14/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.22	88.702801	1.403806	1.074829
5/14/2022 5:00	5/14/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.96	61.636362	0.145583	0.535779
5/14/2022 6:00	5/14/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.31	56.362523	0	0.055856
5/14/2022 7:00	5/14/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.2	59.021005	0	-0.183161
5/14/2022 8:00	5/14/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.48	58.398498	0	-0.079002
5/14/2022 9:00	5/14/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.06	71.895556	0	-0.163611
5/14/2022 10:00	5/14/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.13	63.70871	0	-0.422956
5/14/2022 11:00	5/14/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.31	78.506871	0	-0.800629
5/14/2022 12:00	5/14/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.34	94.927757	0	-0.407243
5/14/2022 13:00	5/14/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.79	83.364075	0.1438	0.431109
5/14/2022 14:00	5/14/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.36	92.551215	-0.010195	1.198077
5/14/2022 15:00	5/14/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.95	112.309571	-4.835067	2.192138
5/14/2022 16:00	5/14/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.39	117.949171	-6.441802	3.004306
5/14/2022 17:00	5/14/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.43	112.750566	-7.961048	3.279113
5/14/2022 18:00	5/14/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.9	109.263796	-9.868911	3.232707
5/14/2022 19:00	5/14/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.01	121.460702	-6.340936	3.790804
5/14/2022 20:00	5/14/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.08	128.037913	-4.04467	4.005083
5/14/2022 21:00	5/14/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.74	92.124382	-1.249443	1.629659

5/14/2022 22:00	5/14/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.99	108.307798	2.269596	2.053202
5/14/2022 23:00	5/14/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.78	103.264358	4.558723	1.922302
5/15/2022 0:00	5/14/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.92	105.357809	4.470825	1.964485
5/15/2022 1:00	5/14/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.73	94.20787	5.00082	1.481217
5/15/2022 2:00	5/14/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.36	78.624442	2.024256	1.236852
5/15/2022 3:00	5/14/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.6	58.997705	0.966874	0.428332
5/15/2022 4:00	5/15/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.41	51.063289	0	-0.350877
5/15/2022 5:00	5/15/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.02	49.565511	0	-0.455323
5/15/2022 6:00	5/15/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.5	45.772962	0	-0.724538
5/15/2022 7:00	5/15/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.91	42.004773	0	-0.903561
5/15/2022 8:00	5/15/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.45	41.481142	0	-0.967192
5/15/2022 9:00	5/15/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.12	41.100753	0	-1.023414
5/15/2022 10:00	5/15/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.36	39.285654	0	-1.071013
5/15/2022 11:00	5/15/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.86	37.668096	0	-1.186904
5/15/2022 12:00	5/15/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.57	42.448819	0	-1.119514
5/15/2022 13:00	5/15/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.97	43.337683	0	-0.636484
5/15/2022 14:00	5/15/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.6	44.01909	-0.003333	-0.574244
5/15/2022 15:00	5/15/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.76	65.214979	-29.473921	-0.067767
5/15/2022 16:00	5/15/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.96	80.941357	-31.336933	0.320791
5/15/2022 17:00	5/15/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.48	75.590895	-11.857425	-0.026681
5/15/2022 18:00	5/15/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.62	73.340435	2.112382	-0.386948
5/15/2022 19:00	5/15/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.63	101.241521	-4.214786	-1.169527
5/15/2022 20:00	5/15/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.49	82.442222	-10.515735	-1.536209
5/15/2022 21:00	5/15/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.93	88.731146	-3.150238	-2.047782
5/15/2022 22:00	5/15/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.03	84.828265	4.02665	-2.225885
5/15/2022 23:00	5/15/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.4	89.392442	12.37609	-2.382815
5/16/2022 0:00	5/15/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.67	73.046896	-2.293828	-2.327609
5/16/2022 1:00	5/15/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.78	74.974047	-5.795213	-2.006573
5/16/2022 2:00	5/15/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.62	64.43962	-8.935258	-1.248456
5/16/2022 3:00	5/15/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.34	56.205257	-6.076352	-1.055057
5/16/2022 4:00	5/16/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.37	62.666343	-0.069724	-1.6306
5/16/2022 5:00	5/16/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.07	46.492766	-1.183478	-1.394589
5/16/2022 6:00	5/16/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.28	41.994891	-2.822174	-1.465435
5/16/2022 7:00	5/16/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.29	41.623815	-2.322163	-1.339856
5/16/2022 8:00	5/16/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.79	38.274702	-4.233796	-1.279835
5/16/2022 9:00	5/16/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.7	39.653798	-4.863788	-1.183248
5/16/2022 10:00	5/16/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.89	53.155163	-3.378888	-1.351782
5/16/2022 11:00	5/16/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.51	51.505458	-2.693537	-1.311838
5/16/2022 12:00	5/16/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.53	59.991955	-9.349724	-1.189988
5/16/2022 13:00	5/16/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.35	67.695749	-27.975149	-0.679102
5/16/2022 14:00	5/16/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.32	65.980371	0.058427	-0.395555
5/16/2022 15:00	5/16/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.03	61.370482	0	-0.663684
5/16/2022 16:00	5/16/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.47	55.573602	-2.825468	-1.074263
5/16/2022 17:00	5/16/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.1	61.842779	-13.145673	-1.114047
5/16/2022 18:00	5/16/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81	62.373685	-16.678111	-1.944038
5/16/2022 19:00	5/16/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	148.45	123.558763	-20.681522	-4.211382
5/16/2022 20:00	5/16/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.39	72.533128	-8.383717	-3.471488
5/16/2022 21:00	5/16/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.56	66.513229	-10.296801	-3.746637
5/16/2022 22:00	5/16/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.22	54.899278	-8.237557	-3.080665
5/16/2022 23:00	5/16/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.31	60.490337	-6.293809	-2.523354
5/17/2022 0:00	5/16/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.16	65.903363	-1.541717	-1.710753
5/17/2022 1:00	5/16/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.38	70.860655	-1.419388	-1.098291
5/17/2022 2:00	5/16/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.01	66.5163	-0.641546	-0.853821
5/17/2022 3:00	5/16/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.95	51.824178	-2.757977	-1.370345
5/17/2022 4:00	5/17/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.99	53.254262	-10.693699	-2.046206
5/17/2022 5:00	5/17/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.88	39.344876	-9.087673	-1.448285
5/17/2022 6:00	5/17/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.63	39.710201	-6.660827	-1.253972
5/17/2022 7:00	5/17/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.8	39.555277	-3.934051	-1.312339
5/17/2022 8:00	5/17/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.75	45.431861	-4.032445	-1.284028
5/17/2022 9:00	5/17/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.01	56.966399	-4.448774	-1.591494
5/17/2022 10:00	5/17/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.34	72.26858	-1.287677	-1.78041
5/17/2022 11:00	5/17/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.09	58.09085	0.251846	-1.24933
5/17/2022 12:00	5/17/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.52	67.376091	0.474094	-0.615503
5/17/2022 13:00	5/17/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.14	59.218982	0	0.081482
5/17/2022 14:00	5/17/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.28	82.477735	-2.55587	0.755272
5/17/2022 15:00	5/17/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.08	100.268162	-3.045497	1.231992
5/17/2022 16:00	5/17/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.18	131.546855	-1.429658	0.80068
5/17/2022 17:00	5/17/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.23	88.056707	-5.169072	0.00078
5/17/2022 18:00	5/17/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.6	110.867212	-14.362366	0.631245
5/17/2022 19:00	5/17/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.84	115.317912	-17.472255	-0.049833
5/17/2022 20:00	5/17/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	158.41	138.906855	-18.559728	-0.940084
5/17/2022 21:00	5/17/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	171.1	127.122042	-41.101114	-2.87601
5/17/2022 22:00	5/17/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	147.03	97.188606	-46.000426	-3.845135
5/17/2022 23:00	5/17/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.3	86.337277	-23.416695	-3.550195
5/18/2022 0:00	5/17/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.43	72.364116	-12.235639	-2.828579
5/18/2022 1:00	5/17/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.3	79.948934	-6.038488	-2.312578
5/18/2022 2:00	5/17/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.45	82.782272	-1.346142	-2.325754
5/18/2022 3:00	5/17/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.22	35.706214	-23.375812	-2.137974
5/18/2022 4:00	5/18/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.11	39.422289	-18.56271	-2.126668
5/18/2022 5:00	5/18/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.39	49.025638	-6.517359	-1.848669
5/18/2022 6:00	5/18/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.85	46.332832	-6.926223	-1.591778
5/18/2022 7:00	5/18/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.36	44.703484	-5.150702	-1.500814
5/18/2022 8:00	5/18/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.33	44.819199	-5.102139	-1.410329
5/18/2022 9:00	5/18/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.19	51.572929	-7.296757	-1.321147
5/18/2022 10:00	5/18/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.89	65.434865	-6.855798	-1.597671
5/18/2022 11:00	5/18/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.69	62.30457	-6.281168	-1.099262
5/18/2022 12:00	5/18/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.38	61.298981	-19.954367	-0.121652
5/18/2022 13:00	5/18/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.72	61.76127	-10.600595	0.646032
5/18/2022 14:00	5/18/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	150.2	135.115455	-16.864612	1.783401
5/18/2022 15:00	5/18/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.51	79.243159	-0.182545	0.913204
5/18/2022 16:00	5/18/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.56	79.683772	1.127636	0.999469
5/18/2022 17:00	5/18/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	154.32	162.725488	6.721478	1.68401
5/18/2022 18:00	5/18/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	238.81	256.337576	14.287234	3.238676
5/18/2022 19:00	5/18/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.7	101.824016	-6.309904	0.429754
5/18/2022 20:00	5/18/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.15	94.426673	-8.493118	-0.232709
5/18/2022 21:00	5/18/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.88	93.169279	0.367198	-0.075418
5/18/2022 22:00	5/18/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.79	87.428088	1.461972	0.17695
5/18/2022 23:00	5/18/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.6	102.615045	4.658142	0.35857
5/19/2022 0:00	5/18/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.86	107.787412	5.786125	0.137121
5/19/2022 1:00	5/18/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.22	91.240409	3.356892	0.662684
5/19/2022 2:00	5/18/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.88	84.975772	3.50214	0.594465
5/19/2022 3:00	5/18/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.75	91.719572	2.73775	0.235989
5/19/2022 4:00	5/19/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.61	60.260025	0.695136	-0.040111
5/19/2022 5:00	5/19/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.24	54.185393	0.230152	-0.282259
5/19/2022 6:00	5/19/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.16	51.89711	0.042477	-0.302868
5/19/2022 7:00	5/19/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.39	49.86702	0.011426	-0.529407
5/19/2022 8:00	5/19/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.1	48.42158	0	-0.67842

5/19/2022 9:00	5/19/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.39	51.651804	0	-0.73903
5/19/2022 10:00	5/19/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.92	54.553598	0.262634	-0.629036
5/19/2022 11:00	5/19/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.61	58.119566	0.031595	-0.517029
5/19/2022 12:00	5/19/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.81	58.62743	0	-0.183404
5/19/2022 13:00	5/19/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67	67.766467	0.692011	0.078622
5/19/2022 14:00	5/19/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.96	79.947354	2.709141	0.280713
5/19/2022 15:00	5/19/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.17	108.059772	3.416324	-0.529052
5/19/2022 16:00	5/19/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.3	93.614118	-1.701855	-1.985694
5/19/2022 17:00	5/19/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.6	65.886905	-13.212352	-2.495743
5/19/2022 18:00	5/19/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.43	63.26764	-25.493909	-2.669284
5/19/2022 19:00	5/19/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.35	73.096395	-26.19909	-3.056182
5/19/2022 20:00	5/19/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.08	87.094515	-29.910958	-4.074527
5/19/2022 21:00	5/19/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	134.49	86.114561	-44.035105	-4.343668
5/19/2022 22:00	5/19/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.47	79.100469	-34.551386	-3.821478
5/19/2022 23:00	5/19/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.69	67.753184	-46.854469	-4.08318
5/20/2022 0:00	5/19/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.09	70.595354	-4.10742	-2.389726
5/20/2022 1:00	5/19/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.64	66.982427	-5.582958	-2.072115
5/20/2022 2:00	5/19/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.12	63.660391	-5.407431	-1.049678
5/20/2022 3:00	5/19/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.08	50.03661	-6.752662	-1.285729
5/20/2022 4:00	5/20/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.03	50.682699	-6.267657	-1.080478
5/20/2022 5:00	5/20/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.02	45.704448	-4.025565	-1.28582
5/20/2022 6:00	5/20/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.84	38.472882	-7.020273	-1.348512
5/20/2022 7:00	5/20/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.8	37.241135	-5.305028	-1.253003
5/20/2022 8:00	5/20/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.69	36.975413	-5.455651	-1.254769
5/20/2022 9:00	5/20/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.28	30.718816	-12.078988	-1.479696
5/20/2022 10:00	5/20/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.7	48.616752	-9.333985	-1.74593
5/20/2022 11:00	5/20/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.93	48.523533	-7.81788	-1.591088
5/20/2022 12:00	5/20/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.4	48.71466	-4.48995	-1.197889
5/20/2022 13:00	5/20/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.12	53.787804	-4.988853	-1.338344
5/20/2022 14:00	5/20/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.73	64.900111	-19.676833	-2.155556
5/20/2022 15:00	5/20/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.73	68.924194	-24.773144	-3.031829
5/20/2022 16:00	5/20/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.99	86.456996	-44.854291	-4.676213
5/20/2022 17:00	5/20/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.13	79.072027	-47.29619	-4.761783
5/20/2022 18:00	5/20/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.3	74.586427	-55.391723	-5.317684
5/20/2022 19:00	5/20/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	160.39	92.078909	-60.93249	-7.373602
5/20/2022 20:00	5/20/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	183.96	107.093357	-67.83115	-9.032993
5/20/2022 21:00	5/20/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	169.15	93.05028	-67.774933	-8.32812
5/20/2022 22:00	5/20/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	206.08	80.869532	-115.510071	-9.697064
5/20/2022 23:00	5/20/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	185.91	85.053417	-92.153979	-8.703437
5/21/2022 0:00	5/20/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	163.41	95.593996	-60.399748	-7.413757
5/21/2022 1:00	5/20/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	148.02	89.153352	-52.615432	-6.251215
5/21/2022 2:00	5/20/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126.51	84.198046	-37.763727	-4.552393
5/21/2022 3:00	5/20/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.06	71.259204	-29.83305	-2.96608
5/21/2022 4:00	5/21/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.81	75.416215	-5.724356	-2.667762
5/21/2022 5:00	5/21/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.19	50.848257	-1.385288	-1.959788
5/21/2022 6:00	5/21/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.59	52.531561	-2.266258	-1.790514
5/21/2022 7:00	5/21/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.54	53.419433	0.26543	-1.380997
5/21/2022 8:00	5/21/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.87	51.641005	0.933367	-1.165696
5/21/2022 9:00	5/21/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.06	49.999747	1.120768	-1.176855
5/21/2022 10:00	5/21/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.09	43.396598	2.324134	-1.020035
5/21/2022 11:00	5/21/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.89	49.477269	1.706929	-1.118826
5/21/2022 12:00	5/21/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.41	59.463957	2.28242	-1.223464
5/21/2022 13:00	5/21/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.36	80.865228	-16.606988	-1.883617
5/21/2022 14:00	5/21/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.47	74.583151	-14.46738	-2.421969
5/21/2022 15:00	5/21/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	146.28	127.275715	-13.221307	-5.782978
5/21/2022 16:00	5/21/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.33	85.53679	-34.588581	-4.204629
5/21/2022 17:00	5/21/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	155.41	87.978527	-61.110348	-6.316958
5/21/2022 18:00	5/21/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	158.23	110.851677	-39.737631	-7.644859
5/21/2022 19:00	5/21/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	150.25	105.775996	-35.772085	-8.701086
5/21/2022 20:00	5/21/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	184.82	105.516923	-66.464254	-12.834656
5/21/2022 21:00	5/21/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	221.97	156.57649	-50.433603	-14.956573
5/21/2022 22:00	5/21/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	209.63	121.146906	-74.23837	-14.244724
5/21/2022 23:00	5/21/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.72	85.806247	-30.973826	-6.934928
5/22/2022 0:00	5/21/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.79	79.951671	-15.764357	-5.072305
5/22/2022 1:00	5/21/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.22	74.111001	-7.968343	-4.139823
5/22/2022 2:00	5/21/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.01	73.063969	0.272627	-3.216992
5/22/2022 3:00	5/21/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.91	70.916022	1.767681	-2.764158
5/22/2022 4:00	5/22/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.23	63.60677	0.9962	-2.616097
5/22/2022 5:00	5/22/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.07	60.257539	0.440414	-2.255375
5/22/2022 6:00	5/22/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.32	50.246204	0.043071	-2.118534
5/22/2022 7:00	5/22/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.61	52.2021	6.590076	-1.999642
5/22/2022 8:00	5/22/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.01	48.708448	4.552091	-1.85781
5/22/2022 9:00	5/22/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.14	47.157126	1.839207	-1.821248
5/22/2022 10:00	5/22/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.17	42.408432	0	-1.757401
5/22/2022 11:00	5/22/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.07	42.171244	0	-1.897089
5/22/2022 12:00	5/22/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.29	48.494971	0.066944	-1.860307
5/22/2022 13:00	5/22/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.83	53.416339	0.34509	-1.756252
5/22/2022 14:00	5/22/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.55	55.393824	-8.209773	-2.94307
5/22/2022 15:00	5/22/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.1	56.194485	-13.811978	-4.091037
5/22/2022 16:00	5/22/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.15	59.401411	-18.620067	-5.128522
5/22/2022 17:00	5/22/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.09	71.001104	-37.354642	-7.730921
5/22/2022 18:00	5/22/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.87	63.933284	-56.327332	-9.606884
5/22/2022 19:00	5/22/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	137.23	73.644069	-52.792291	-10.794474
5/22/2022 20:00	5/22/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	136	77.377296	-47.785046	-10.840159
5/22/2022 21:00	5/22/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.19	71.610558	-23.607398	-7.968711
5/22/2022 22:00	5/22/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.27	64.821149	-44.408422	-8.042096
5/22/2022 23:00	5/22/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.37	63.710121	-1.864547	-3.796999
5/23/2022 0:00	5/22/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.92	62.128633	1.176448	-2.968648
5/23/2022 1:00	5/22/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.63	66.357572	1.392093	-2.661187
5/23/2022 2:00	5/22/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.18	55.901173	0.713416	-1.988077
5/23/2022 3:00	5/22/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.82	52.750818	0.018316	-2.084998
5/23/2022 4:00	5/23/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.3	50.333049	0	-1.965285
5/23/2022 5:00	5/23/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.21	53.744889	0.112307	-1.576584
5/23/2022 6:00	5/23/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.61	50.444052	0.130881	-1.296828
5/23/2022 7:00	5/23/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.71	46.822589	0.159211	-1.049123
5/23/2022 8:00	5/23/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.19	47.332728	0.258829	-1.117768
5/23/2022 9:00	5/23/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.17	53.122014	4.302423	-1.353742
5/23/2022 10:00	5/23/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.89	62.473098	6.046573	-1.460975
5/23/2022 11:00	5/23/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.27	55.404833	0.430165	-1.297831
5/23/2022 12:00	5/23/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.87	61.020684	0.989275	-0.841925
5/23/2022 13:00	5/23/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.29	57.422383	1.139306	-1.003589
5/23/2022 14:00	5/23/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.41	64.919768	2.695373	-1.187272
5/23/2022 15:00	5/23/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.74	63.332699	-7.974607	-1.430194
5/23/2022 16:00	5/23/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.05	56.080182	-24.395033	-1.573952
5/23/2022 17:00	5/23/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.31	56.942166	-24.642858	-1.724143
5/23/2022 18:00	5/23/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.53	58.065298	-24.49391	-1.967459
5/23/2022 19:00	5/23/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.14	62.384614	-24.289183	-2.464537

5/23/2022 20:00	5/23/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.51	67.070965	-24.166291	-3.268577
5/23/2022 21:00	5/23/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.86	83.70574	-26.349339	-4.799921
5/23/2022 22:00	5/23/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.61	63.517931	-22.229258	-3.864477
5/23/2022 23:00	5/23/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.85	55.74824	-2.556654	-2.546772
5/24/2022 0:00	5/23/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.15	53.141325	-0.636865	-2.370977
5/24/2022 1:00	5/23/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.99	51.828129	-2.961778	-2.202593
5/24/2022 2:00	5/23/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.39	52.937816	-2.323099	-2.128251
5/24/2022 3:00	5/23/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.42	49.16041	-0.279898	-1.979692
5/24/2022 4:00	5/24/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.53	50.53416	-0.930794	-2.069213
5/24/2022 5:00	5/24/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.22	67.121991	-0.143461	-1.953715
5/24/2022 6:00	5/24/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.34	57.327297	0	-1.007703
5/24/2022 7:00	5/24/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.61	50.669384	0	-0.940616
5/24/2022 8:00	5/24/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.58	53.541792	-0.067308	-0.975067
5/24/2022 9:00	5/24/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.5	56.076043	-0.061594	-1.362363
5/24/2022 10:00	5/24/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.72	59.908721	-0.086782	-1.723664
5/24/2022 11:00	5/24/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.44	83.187806	-0.263034	-2.992494
5/24/2022 12:00	5/24/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.43	73.662304	0	-2.763529
5/24/2022 13:00	5/24/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.56	76.295729	-0.709222	-2.558382
5/24/2022 14:00	5/24/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.42	70.815741	-0.388685	-2.217241
5/24/2022 15:00	5/24/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.08	64.369046	-0.393727	-2.321393
5/24/2022 16:00	5/24/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.66	70.547359	1.087035	-2.20051
5/24/2022 17:00	5/24/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72	73.334608	2.938049	-1.605941
5/24/2022 18:00	5/24/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.01	83.844395	1.652756	-1.820861
5/24/2022 19:00	5/24/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.85	86.2788	7.517679	-2.086379
5/24/2022 20:00	5/24/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.89	67.11088	-5.557569	-2.219051
5/24/2022 21:00	5/24/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.01	91.278319	-9.385789	-3.343392
5/24/2022 22:00	5/24/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.92	79.717374	-3.495633	-2.707826
5/24/2022 23:00	5/24/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.9	65.917151	-0.72913	-2.254553
5/25/2022 0:00	5/24/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.62	80.011443	-4.093706	-2.519018
5/25/2022 1:00	5/24/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.05	88.442777	-4.441166	-2.163557
5/25/2022 2:00	5/24/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.68	53.819907	-2.654934	-1.204326
5/25/2022 3:00	5/24/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51	43.837965	-5.562395	-1.59964
5/25/2022 4:00	5/25/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.39	43.554903	0.964224	-1.803488
5/25/2022 5:00	5/25/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.91	36.745159	-6.450855	-1.708986
5/25/2022 6:00	5/25/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.21	44.550801	4.727287	-1.383153
5/25/2022 7:00	5/25/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.03	47.291201	8.613347	-1.34798
5/25/2022 8:00	5/25/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.64	48.162278	7.93039	-1.403112
5/25/2022 9:00	5/25/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.46	53.763837	9.468353	-1.162016
5/25/2022 10:00	5/25/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.11	63.339581	-0.247206	-1.518213
5/25/2022 11:00	5/25/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.13	69.852259	-3.99143	-1.287144
5/25/2022 12:00	5/25/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.25	62.365454	-14.122375	-0.760504
5/25/2022 13:00	5/25/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.12	73.436656	-18.570707	-0.10847
5/25/2022 14:00	5/25/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.75	73.765994	-20.180607	0.199101
5/25/2022 15:00	5/25/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.6	91.365794	-25.626697	0.389158
5/25/2022 16:00	5/25/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.09	67.688998	-28.837736	0.439234
5/25/2022 17:00	5/25/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.2	78.490087	-29.363349	0.656769
5/25/2022 18:00	5/25/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.5	74.879513	-27.033004	0.414183
5/25/2022 19:00	5/25/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107	75.839388	-31.592247	0.427469
5/25/2022 20:00	5/25/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.12	91.079984	-30.608821	0.567138
5/25/2022 21:00	5/25/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126.44	95.205856	-31.362263	0.129785
5/25/2022 22:00	5/25/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102	78.414311	-23.644025	0.056669
5/25/2022 23:00	5/25/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.79	78.24442	-23.969711	0.425797
5/26/2022 0:00	5/25/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.17	83.253086	-29.125983	0.204903
5/26/2022 1:00	5/25/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.89	77.098048	-15.625796	-0.16949
5/26/2022 2:00	5/25/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.15	68.277857	-10.769131	-0.099679
5/26/2022 3:00	5/25/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.01	76.129923	-3.572547	-0.310864
5/26/2022 4:00	5/26/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.12	54.642127	-0.944803	-0.528069
5/26/2022 5:00	5/26/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.54	58.973389	-1.083038	-0.48024
5/26/2022 6:00	5/26/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.34	53.193821	-0.551022	-0.598491
5/26/2022 7:00	5/26/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.15	48.928743	-2.33221	-0.884881
5/26/2022 8:00	5/26/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.51	51.913651	-0.719316	-0.872032
5/26/2022 9:00	5/26/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.46	56.686533	-0.138019	-0.630448
5/26/2022 10:00	5/26/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.49	69.061633	1.38515	-0.810184
5/26/2022 11:00	5/26/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.89	58.954001	1.43493	-0.375096
5/26/2022 12:00	5/26/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.98	77.299068	-9.485401	0.809469
5/26/2022 13:00	5/26/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.5	93.135985	-2.916567	1.557551
5/26/2022 14:00	5/26/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.84	79.838001	-9.881579	0.877913
5/26/2022 15:00	5/26/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.66	85.511805	-21.798876	1.648182
5/26/2022 16:00	5/26/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.12	83.847541	-21.803661	1.536202
5/26/2022 17:00	5/26/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.79	75.504046	-19.867739	0.578451
5/26/2022 18:00	5/26/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.56	86.370258	-21.419654	1.229079
5/26/2022 19:00	5/26/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.95	71.667167	-7.715529	0.432696
5/26/2022 20:00	5/26/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.33	88.756771	-1.087403	0.516674
5/26/2022 21:00	5/26/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.43	84.099245	0.818106	0.854473
5/26/2022 22:00	5/26/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.17	89.302989	1.197922	0.935067
5/26/2022 23:00	5/26/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.79	102.66958	2.536024	1.343555
5/27/2022 0:00	5/26/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.03	124.554986	1.975156	1.549829
5/27/2022 1:00	5/26/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.12	116.496412	2.406284	1.970962
5/27/2022 2:00	5/26/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.21	103.556772	0.724342	1.618263
5/27/2022 3:00	5/26/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.68	101.479749	0	0.804749
5/27/2022 4:00	5/27/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.98	74.141839	0	0.166006
5/27/2022 5:00	5/27/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.99	74.023105	0	0.035605
5/27/2022 6:00	5/27/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.41	61.534227	0	0.124227
5/27/2022 7:00	5/27/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.72	62.194879	0.153018	0.317695
5/27/2022 8:00	5/27/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.72	61.265122	0.363252	0.186036
5/27/2022 9:00	5/27/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.83	86.423228	2.588371	0.004857
5/27/2022 10:00	5/27/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.46	75.22614	3.784949	-0.016308
5/27/2022 11:00	5/27/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.1	75.404916	0.181098	0.121318
5/27/2022 12:00	5/27/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.17	82.03577	0.351166	0.514604
5/27/2022 13:00	5/27/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.68	80.538923	2.093085	0.763337
5/27/2022 14:00	5/27/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.56	81.087449	-9.180094	0.706709
5/27/2022 15:00	5/27/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.51	89.686846	-21.406888	0.5854
5/27/2022 16:00	5/27/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.73	85.04264	-21.553152	-0.130041
5/27/2022 17:00	5/27/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.05	79.43125	-6.077301	-0.543116
5/27/2022 18:00	5/27/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.65	82.944082	0	-0.702585
5/27/2022 19:00	5/27/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.12	77.382647	-1.522767	-1.21792
5/27/2022 20:00	5/27/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.44	79.69317	-4.244473	-1.503191
5/27/2022 21:00	5/27/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.33	72.439942	-5.636494	-1.249397
5/27/2022 22:00	5/27/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.71	80.319022	-3.955918	-1.43756
5/27/2022 23:00	5/27/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.62	117.942855	5.169873	-1.847019
5/28/2022 0:00	5/27/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.42	109.363283	2.053407	-2.112624
5/28/2022 1:00	5/27/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.75	76.053239	1.396412	-1.096507
5/28/2022 2:00	5/27/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.18	67.883561	0.096057	-0.394996
5/28/2022 3:00	5/27/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.49	66.876685	0	-0.614149
5/28/2022 4:00	5/28/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.16	55.086477	0	-1.07769
5/28/2022 5:00	5/28/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.03	52.85325	0	-1.180083
5/28/2022 6:00	5/28/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.32	49.238393	0	-1.084107

5/28/2022 7:00	5/28/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.37	49.327364	0	-1.045969
5/28/2022 8:00	5/28/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.8	48.670361	0	-1.133806
5/28/2022 9:00	5/28/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.41	49.373947	1.047615	-1.080335
5/28/2022 10:00	5/28/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.6	51.053778	4.307504	-0.852059
5/28/2022 11:00	5/28/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.07	51.792592	6.490355	-0.768596
5/28/2022 12:00	5/28/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.23	47.264822	5.777657	-0.742835
5/28/2022 13:00	5/28/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.69	48.114922	0.288829	-0.86724
5/28/2022 14:00	5/28/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.79	45.888774	0	-0.902059
5/28/2022 15:00	5/28/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.52	47.547283	0	-0.969384
5/28/2022 16:00	5/28/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.34	49.340813	0.090511	-1.087198
5/28/2022 17:00	5/28/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.71	47.84325	-0.000475	-0.865442
5/28/2022 18:00	5/28/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.34	49.861477	-15.399937	-1.073587
5/28/2022 19:00	5/28/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.36	49.204675	-5.341012	-0.812647
5/28/2022 20:00	5/28/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.23	51.339461	-17.934056	-0.959817
5/28/2022 21:00	5/28/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.93	51.823801	-9.02073	-1.088802
5/28/2022 22:00	5/28/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.76	52.581533	-2.26223	-0.91957
5/28/2022 23:00	5/28/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.33	55.154634	-3.292807	-0.880892
5/29/2022 0:00	5/28/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.41	52.693421	0.289303	-1.006716
5/29/2022 1:00	5/28/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.63	48.545506	-0.154759	-0.931402
5/29/2022 2:00	5/28/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.2	42.695647	-1.442996	-1.065524
5/29/2022 3:00	5/28/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.98	39.108967	-2.279171	-1.590195
5/29/2022 4:00	5/29/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.74	38.391218	-1.302734	-2.049382
5/29/2022 5:00	5/29/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.88	41.817223	5.754722	-1.819999
5/29/2022 6:00	5/29/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.86	44.262445	12.933304	-1.527525
5/29/2022 7:00	5/29/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.73	38.749099	12.330971	-1.310205
5/29/2022 8:00	5/29/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	17.03	26.776337	10.49849	-0.755487
5/29/2022 9:00	5/29/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	14.53	21.030949	7.112307	-0.607192
5/29/2022 10:00	5/29/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	16.06	22.216988	6.816953	-0.655798
5/29/2022 11:00	5/29/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	12.5	18.420945	6.413169	-0.492224
5/29/2022 12:00	5/29/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	10.39	14.44559	4.417845	-0.359755
5/29/2022 13:00	5/29/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.63	45.62197	7.205898	-1.211428
5/29/2022 14:00	5/29/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.04	45.66672	1.954854	-1.332301
5/29/2022 15:00	5/29/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.21	47.046004	1.434541	-1.593537
5/29/2022 16:00	5/29/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.47	49.029071	-27.101218	-2.341379
5/29/2022 17:00	5/29/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.02	51.243355	-27.342716	-2.428929
5/29/2022 18:00	5/29/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.86	52.489198	-25.108023	-2.265279
5/29/2022 19:00	5/29/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.25	54.068544	-26.103849	-2.081774
5/29/2022 20:00	5/29/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.65	62.333877	-27.129999	-2.182791
5/29/2022 21:00	5/29/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.54	63.262156	-27.920471	-2.355706
5/29/2022 22:00	5/29/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.76	64.202903	-13.316222	-2.240875
5/29/2022 23:00	5/29/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.39	63.897211	-5.38389	-2.104732
5/30/2022 0:00	5/29/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.88	54.379606	-3.770291	-1.732603
5/30/2022 1:00	5/29/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.17	50.841551	-3.76257	-1.568379
5/30/2022 2:00	5/29/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.01	48.799973	-3.855367	-1.35216
5/30/2022 3:00	5/29/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.96	44.801536	-3.565457	-1.59634
5/30/2022 4:00	5/30/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.94	40.311556	-3.707591	-1.924187
5/30/2022 5:00	5/30/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.03	38.024791	0.807981	-1.80819
5/30/2022 6:00	5/30/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	19.63	24.59171	5.871934	-0.907724
5/30/2022 7:00	5/30/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	-10.22	-8.023027	1.776717	0.422756
5/30/2022 8:00	5/30/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	5.45	10.42346	5.191704	-0.215744
5/30/2022 9:00	5/30/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	7.87	9.45145	1.918305	-0.338522
5/30/2022 10:00	5/30/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	-12.54	-12.083244	0.005049	0.453374
5/30/2022 11:00	5/30/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	-20.17	-20.056268	-0.376017	0.493083
5/30/2022 12:00	5/30/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	4.35	4.295015	0.021897	-0.079382
5/30/2022 13:00	5/30/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.12	36.839207	-2.346435	-0.931025
5/30/2022 14:00	5/30/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.8	45.016606	-2.491705	-1.28669
5/30/2022 15:00	5/30/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.72	54.633857	-6.265227	-1.825083
5/30/2022 16:00	5/30/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.96	73.157233	-1.929948	-2.876986
5/30/2022 17:00	5/30/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.77	69.876523	-6.210967	-2.67751
5/30/2022 18:00	5/30/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.52	85.662471	-13.988309	-3.87172
5/30/2022 19:00	5/30/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.5	78.308263	-12.933355	-4.255048
5/30/2022 20:00	5/30/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	151.86	115.881196	-29.085933	-6.895371
5/30/2022 21:00	5/30/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	164.54	124.378671	-32.60319	-7.561472
5/30/2022 22:00	5/30/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	199.46	154.313127	-36.006472	-9.136235
5/30/2022 23:00	5/30/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.05	92.731871	-4.572127	-4.743502
5/31/2022 0:00	5/30/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.59	80.349426	-3.547748	-3.687826
5/31/2022 1:00	5/30/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.8	92.958786	0.233474	-3.069689
5/31/2022 2:00	5/30/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.87	61.215607	0.294001	-1.95006
5/31/2022 3:00	5/30/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.4	49.931283	-2.883304	-1.580413
5/31/2022 4:00	5/31/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.7	52.824456	-2.330934	-1.547944
5/31/2022 5:00	5/31/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.23	47.734258	-0.592003	-1.905406
5/31/2022 6:00	5/31/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.51	46.40156	3.800329	-1.904603
5/31/2022 7:00	5/31/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.77	45.081506	8.93419	-1.621851
5/31/2022 8:00	5/31/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.04	48.633942	14.954085	-1.36181
5/31/2022 9:00	5/31/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.95	53.228788	14.586919	-1.308965
5/31/2022 10:00	5/31/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.78	56.694914	14.354875	-1.438295
5/31/2022 11:00	5/31/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.73	60.435907	4.078122	-1.370548
5/31/2022 12:00	5/31/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.05	60.113577	0.078175	-1.015431
5/31/2022 13:00	5/31/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.85	67.606494	0.126766	-1.371939
5/31/2022 14:00	5/31/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.98	85.371223	-11.462501	-2.143776
5/31/2022 15:00	5/31/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.84	85.714296	-6.87862	-2.248751
5/31/2022 16:00	5/31/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	151.8	116.412088	-30.829101	-4.561312
5/31/2022 17:00	5/31/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.95	86.887395	-22.934308	-4.130797
5/31/2022 18:00	5/31/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	164.12	113.553215	-44.328274	-6.242677
5/31/2022 19:00	5/31/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	173.62	132.602423	-32.692397	-8.326847
5/31/2022 20:00	5/31/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	136.2	132.667155	4.791761	-8.327939
5/31/2022 21:00	5/31/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	210.73	198.481371	1.848576	-14.093038
5/31/2022 22:00	5/31/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	176.45	169.293635	4.459233	-11.618932
5/31/2022 23:00	5/31/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	136.03	128.694949	0.005748	-7.344966
6/1/2022 0:00	5/31/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.27	104.10974	2.096666	-4.255259
6/1/2022 1:00	5/31/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.26	115.542532	1.347543	-3.067511
6/1/2022 2:00	5/31/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.47	104.097269	2.769078	-1.139308
6/1/2022 3:00	5/31/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.79	91.621944	0	-1.167222
6/1/2022 4:00	6/1/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.58	67.42405	0	-1.152617
6/1/2022 5:00	6/1/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.28	74.67468	0	-1.60782
6/1/2022 6:00	6/1/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.65	56.396165	-0.045259	-1.207742
6/1/2022 7:00	6/1/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.61	52.581897	0	-1.031436
6/1/2022 8:00	6/1/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.8	51.212862	-0.744632	-0.839172
6/1/2022 9:00	6/1/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.89	57.200608	0	-0.687726
6/1/2022 10:00	6/1/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.1	57.15688	-0.040794	-0.904825
6/1/2022 11:00	6/1/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.47	77.28612	-0.270576	-0.917471
6/1/2022 12:00	6/1/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.36	85.309876	2.142554	-0.196845
6/1/2022 13:00	6/1/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.87	93.858299	3.134428	-0.146129
6/1/2022 14:00	6/1/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	141.54	151.195699	10.332732	-0.678699
6/1/2022 15:00	6/1/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.51	127.006272	8.874086	-1.37698
6/1/2022 16:00	6/1/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.65	114.957459	13.624208	-1.318416
6/1/2022 17:00	6/1/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	143.91	156.575845	15.143115	-2.473103

6/1/2022 18:00	6/1/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.15	119.656826	12.712296	-3.207137
6/1/2022 19:00	6/1/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	149.49	159.134394	14.688565	-5.042504
6/1/2022 20:00	6/1/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	133.69	143.564062	15.086775	-5.207712
6/1/2022 21:00	6/1/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.99	129.338899	15.407565	-5.054499
6/1/2022 22:00	6/1/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.86	114.397422	6.278898	-4.745643
6/1/2022 23:00	6/1/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.7	115.321918	8.112832	-4.491747
6/2/2022 0:00	6/1/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.7	103.60825	9.755679	-2.845762
6/2/2022 1:00	6/1/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.67	121.055807	14.253163	-1.871523
6/2/2022 2:00	6/1/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.24	83.966851	5.798817	-1.069465
6/2/2022 3:00	6/1/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.25	96.621508	5.305028	-1.929354
6/2/2022 4:00	6/2/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.19	84.206073	4.821963	-1.80089
6/2/2022 5:00	6/2/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.66	78.654487	1.25246	-1.258806
6/2/2022 6:00	6/2/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.18	64.330565	0.020022	-0.866123
6/2/2022 7:00	6/2/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.54	61.806143	0.037951	-0.771808
6/2/2022 8:00	6/2/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.65	58.755021	0.857456	-0.754935
6/2/2022 9:00	6/2/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.29	82.794599	10.278091	-0.776825
6/2/2022 10:00	6/2/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.14	79.816279	14.15401	-0.476897
6/2/2022 11:00	6/2/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.89	78.92024	8.851715	-0.823141
6/2/2022 12:00	6/2/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.29	81.32151	3.576807	-0.541964
6/2/2022 13:00	6/2/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.49	86.384673	3.65787	-0.760697
6/2/2022 14:00	6/2/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.36	97.28896	6.5389	-1.613273
6/2/2022 15:00	6/2/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.5	99.18942	10.126437	-2.437017
6/2/2022 16:00	6/2/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.49	92.829102	5.590168	-3.247733
6/2/2022 17:00	6/2/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.17	129.790924	5.837994	-5.21207
6/2/2022 18:00	6/2/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	147.75	142.002209	1.025644	-6.770102
6/2/2022 19:00	6/2/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	162.94	155.488749	0.30465	-7.760068
6/2/2022 20:00	6/2/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.66	100.13472	1.521386	-5.05
6/2/2022 21:00	6/2/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.99	84.586886	-1.247063	-4.154385
6/2/2022 22:00	6/2/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.46	95.275953	-6.99117	-4.189544
6/2/2022 23:00	6/2/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.58	81.495874	-3.239504	-2.845455
6/3/2022 0:00	6/2/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.48	84.959879	0.679465	-2.197086
6/3/2022 1:00	6/2/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.14	102.684869	0.857005	-2.307136
6/3/2022 2:00	6/2/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.15	75.239085	0.447319	-1.357401
6/3/2022 3:00	6/2/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.31	91.20606	0	-2.100607
6/3/2022 4:00	6/3/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.04	80.553053	0	-2.483613
6/3/2022 5:00	6/3/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.05	71.678201	3.016258	-2.38389
6/3/2022 6:00	6/3/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.44	57.235787	6.471071	-1.675284
6/3/2022 7:00	6/3/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.57	54.741847	3.804055	-1.628874
6/3/2022 8:00	6/3/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.05	62.009839	4.795482	-1.838977
6/3/2022 9:00	6/3/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.18	83.543714	5.109405	-2.746524
6/3/2022 10:00	6/3/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.34	63.135399	6.141311	-2.346746
6/3/2022 11:00	6/3/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.4	69.648155	6.325253	-3.072097
6/3/2022 12:00	6/3/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.6	71.901949	1.098849	-2.795233
6/3/2022 13:00	6/3/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.53	62.645436	0	-1.888731
6/3/2022 14:00	6/3/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.83	76.899397	0	-1.933937
6/3/2022 15:00	6/3/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.38	89.757411	0	-1.624255
6/3/2022 16:00	6/3/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.82	77.295723	-3.965282	-1.554829
6/3/2022 17:00	6/3/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.41	70.371134	-6.26214	-1.77256
6/3/2022 18:00	6/3/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.75	69.363757	-5.568139	-1.821437
6/3/2022 19:00	6/3/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.58	96.989212	-3.268591	-2.323031
6/3/2022 20:00	6/3/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.04	99.24352	-7.821835	-1.978812
6/3/2022 21:00	6/3/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.57	114.32244	-7.057279	-2.186947
6/3/2022 22:00	6/3/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	137.1	137.07658	1.894831	-1.916584
6/3/2022 23:00	6/3/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.28	96.825632	6.676418	-1.129119
6/4/2022 0:00	6/3/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.42	80.589312	9.082058	-0.910246
6/4/2022 1:00	6/3/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.04	80.82055	0.862074	-1.083191
6/4/2022 2:00	6/3/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.96	88.329765	0.371913	-1.005482
6/4/2022 3:00	6/3/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.33	72.083478	0	-1.241522
6/4/2022 4:00	6/4/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.13	54.24168	0	-0.887486
6/4/2022 5:00	6/4/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.06	76.356719	0	-0.700781
6/4/2022 6:00	6/4/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.72	67.415495	0	-0.300338
6/4/2022 7:00	6/4/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.11	77.063885	0	-0.041948
6/4/2022 8:00	6/4/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.62	71.628921	0	0.011421
6/4/2022 9:00	6/4/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.11	82.322602	0	0.215102
6/4/2022 10:00	6/4/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.63	60.821432	0	0.189765
6/4/2022 11:00	6/4/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.52	66.540644	0	0.018144
6/4/2022 12:00	6/4/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.8	60.965439	0	0.167106
6/4/2022 13:00	6/4/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.69	60.780899	0	0.088399
6/4/2022 14:00	6/4/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.82	83.651952	3.016552	-0.180434
6/4/2022 15:00	6/4/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.27	72.15717	3.002635	-0.112131
6/4/2022 16:00	6/4/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.69	68.760664	2.474545	-0.399714
6/4/2022 17:00	6/4/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.63	74.410904	3.634535	-0.850297
6/4/2022 18:00	6/4/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.73	73.77584	3.275993	-1.233486
6/4/2022 19:00	6/4/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.08	83.656862	-5.630749	-1.792389
6/4/2022 20:00	6/4/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.83	68.966236	-8.801824	-2.063606
6/4/2022 21:00	6/4/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.11	79.591191	-11.786789	-2.728687
6/4/2022 22:00	6/4/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.79	82.989737	-15.460317	-3.339947
6/4/2022 23:00	6/4/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.81	72.941147	-8.001839	-2.863681
6/5/2022 0:00	6/4/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.03	53.249102	-3.730828	-2.05007
6/5/2022 1:00	6/4/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.94	52.295396	-2.7292	-1.919571
6/5/2022 2:00	6/4/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.61	52.96697	-1.18019	-1.46534
6/5/2022 3:00	6/4/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.73	50.477575	0	-1.253258
6/5/2022 4:00	6/5/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.61	48.429566	0.018184	-1.193618
6/5/2022 5:00	6/5/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.65	50.643987	0	-1.00768
6/5/2022 6:00	6/5/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.93	48.082011	0	-0.852156
6/5/2022 7:00	6/5/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.97	48.246061	0	-0.721439
6/5/2022 8:00	6/5/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.59	49.048292	0	-0.545875
6/5/2022 9:00	6/5/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.54	50.194493	0	-0.347174
6/5/2022 10:00	6/5/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.19	48.801581	0	-0.389252
6/5/2022 11:00	6/5/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.38	47.893629	0	-0.486371
6/5/2022 12:00	6/5/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.39	51.139271	0	-0.247396
6/5/2022 13:00	6/5/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.37	49.02734	0	-0.34516
6/5/2022 14:00	6/5/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.9	47.291983	0	-0.61135
6/5/2022 15:00	6/5/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.08	50.385717	0	-0.694283
6/5/2022 16:00	6/5/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.24	50.598284	-0.223885	-0.420331
6/5/2022 17:00	6/5/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.64	68.884683	2.56318	-0.316831
6/5/2022 18:00	6/5/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.71	71.196489	-3.077333	-0.436179
6/5/2022 19:00	6/5/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.62	65.444654	-4.597583	-0.578596
6/5/2022 20:00	6/5/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.55	65.536234	-7.093486	-0.923614
6/5/2022 21:00	6/5/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.82	82.075623	-6.222636	-1.517575
6/5/2022 22:00	6/5/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.13	101.022666	-2.696509	-2.407492
6/5/2022 23:00	6/5/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.77	69.561874	-3.424279	-1.778847
6/6/2022 0:00	6/5/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.71	74.603552	1.123119	-1.227067
6/6/2022 1:00	6/5/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.81	83.102974	3.155504	-0.86003
6/6/2022 2:00	6/5/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.54	59.985516	1.042188	-0.600004
6/6/2022 3:00	6/5/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.31	51.533234	-0.042053	-0.734712
6/6/2022 4:00	6/6/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.42	53.612875	-0.642476	-1.166316

6/6/2022 5:00	6/6/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.89	43.823483	-1.849234	-1.21645
6/6/2022 6:00	6/6/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.23	37.684043	-2.430157	-1.1183
6/6/2022 7:00	6/6/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.15	44.121779	0	-1.029888
6/6/2022 8:00	6/6/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.29	48.449934	0	-0.8434
6/6/2022 9:00	6/6/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.74	52.795604	0	-0.939396
6/6/2022 10:00	6/6/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.19	52.186451	0	-1.004382
6/6/2022 11:00	6/6/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.65	53.116059	0	-0.530608
6/6/2022 12:00	6/6/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.15	57.29513	0	0.148463
6/6/2022 13:00	6/6/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.59	65.253123	0	0.66729
6/6/2022 14:00	6/6/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.9	76.951856	-3.974325	1.031181
6/6/2022 15:00	6/6/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.67	89.532068	2.971283	0.886619
6/6/2022 16:00	6/6/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.46	82.558955	4.651642	0.452312
6/6/2022 17:00	6/6/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.53	86.743693	2.970756	0.240438
6/6/2022 18:00	6/6/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.17	127.603977	12.203346	0.235631
6/6/2022 19:00	6/6/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.8	104.223106	7.711188	-0.292248
6/6/2022 20:00	6/6/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.71	104.695336	-3.646988	-1.365176
6/6/2022 21:00	6/6/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.01	92.893973	-6.271186	-1.841508
6/6/2022 22:00	6/6/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.49	75.139033	-8.490775	-1.855191
6/6/2022 23:00	6/6/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.83	78.919713	-8.270031	-1.643589
6/7/2022 0:00	6/6/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.12	72.835041	-5.648873	-0.63942
6/7/2022 1:00	6/6/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.6	91.015447	-8.050352	-0.531702
6/7/2022 2:00	6/6/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.85	65.854534	-6.891961	-0.106839
6/7/2022 3:00	6/6/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.65	64.414731	-3.711698	-0.520238
6/7/2022 4:00	6/7/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.54	54.031159	0	-0.513008
6/7/2022 5:00	6/7/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.11	55.833919	0	-0.277748
6/7/2022 6:00	6/7/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.11	53.03739	0	-0.07011
6/7/2022 7:00	6/7/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.27	50.101487	0	-0.166013
6/7/2022 8:00	6/7/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.03	49.803031	0	-0.228636
6/7/2022 9:00	6/7/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.03	52.831629	0	-0.198371
6/7/2022 10:00	6/7/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.26	57.107593	0.004455	-0.156029
6/7/2022 11:00	6/7/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.43	87.720101	3.38736	-0.096426
6/7/2022 12:00	6/7/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.49	79.2062	1.333967	0.384732
6/7/2022 13:00	6/7/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.47	137.729825	8.709255	1.548903
6/7/2022 14:00	6/7/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.08	95.316108	2.125359	1.112416
6/7/2022 15:00	6/7/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.96	123.957629	6.92393	1.072865
6/7/2022 16:00	6/7/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.79	89.034745	4.268669	-0.025591
6/7/2022 17:00	6/7/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.6	97.802641	4.309769	-0.102962
6/7/2022 18:00	6/7/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.73	96.800217	-0.683253	-0.24153
6/7/2022 19:00	6/7/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.05	100.965199	2.144304	-0.227438
6/7/2022 20:00	6/7/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.11	101.963001	-0.566209	-0.578289
6/7/2022 21:00	6/7/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.51	123.660192	1.631035	-0.48251
6/7/2022 22:00	6/7/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.77	125.221482	3.108341	-0.659359
6/7/2022 23:00	6/7/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	140.33	143.164448	3.725933	-0.895652
6/8/2022 0:00	6/7/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.51	118.272202	3.607174	-0.842472
6/8/2022 1:00	6/7/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.2	87.633053	3.157548	-0.721995
6/8/2022 2:00	6/7/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.2	88.033964	4.290344	-0.459713
6/8/2022 3:00	6/7/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.15	64.208477	0.729412	-0.669269
6/8/2022 4:00	6/8/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.73	62.924228	0.118227	-0.928166
6/8/2022 5:00	6/8/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.24	67.438734	0.179266	-0.982199
6/8/2022 6:00	6/8/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.3	55.465161	0	-0.838173
6/8/2022 7:00	6/8/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.53	51.529422	0	-0.996412
6/8/2022 8:00	6/8/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.3	52.149636	0	-1.145364
6/8/2022 9:00	6/8/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.35	51.864308	-1.110921	-1.374772
6/8/2022 10:00	6/8/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.31	53.910891	-3.886482	-1.510127
6/8/2022 11:00	6/8/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.11	64.524539	-0.600736	-1.986393
6/8/2022 12:00	6/8/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.09	63.303917	-2.72014	-2.06261
6/8/2022 13:00	6/8/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.12	65.444839	-0.81373	-1.861431
6/8/2022 14:00	6/8/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.46	73.264865	-2.579092	-2.616877
6/8/2022 15:00	6/8/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.2	89.52828	0.486995	-2.154548
6/8/2022 16:00	6/8/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.78	103.968753	-7.209934	-2.59798
6/8/2022 17:00	6/8/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	144.38	125.191762	-14.874493	-4.315411
6/8/2022 18:00	6/8/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.59	119.059337	1.882404	-4.415567
6/8/2022 19:00	6/8/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	179.61	142.042846	-28.650777	-8.918877
6/8/2022 20:00	6/8/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	202.72	128.633931	-62.058193	-12.032043
6/8/2022 21:00	6/8/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	209.63	119.090514	-77.426442	-13.115544
6/8/2022 22:00	6/8/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.14	78.147227	-33.648181	-7.344593
6/8/2022 23:00	6/8/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.48	76.014982	-10.96971	-5.496141
6/9/2022 0:00	6/8/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.74	80.757392	-5.930737	-4.056038
6/9/2022 1:00	6/8/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.62	86.183426	0	-3.436574
6/9/2022 2:00	6/8/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.11	73.687457	-0.840056	-2.582486
6/9/2022 3:00	6/8/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.71	61.942658	-6.324314	-2.438028
6/9/2022 4:00	6/9/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.33	78.166703	-5.283914	-2.879383
6/9/2022 5:00	6/9/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.25	61.982466	-2.373988	-1.893547
6/9/2022 6:00	6/9/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59	55.858984	-1.560399	-1.582284
6/9/2022 7:00	6/9/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.16	55.660872	0	-1.499128
6/9/2022 8:00	6/9/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.52	57.103376	0	-1.414124
6/9/2022 9:00	6/9/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.34	64.440956	-0.053664	-1.847881
6/9/2022 10:00	6/9/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.24	65.896409	-0.597094	-1.741497
6/9/2022 11:00	6/9/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.43	70.509674	-3.725773	-2.19122
6/9/2022 12:00	6/9/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.42	71.191425	-0.927137	-2.301438
6/9/2022 13:00	6/9/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.96	95.892809	-0.03224	-3.034951
6/9/2022 14:00	6/9/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.24	80.857657	-0.081184	-2.296992
6/9/2022 15:00	6/9/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.62	88.103776	-1.786703	-2.732021
6/9/2022 16:00	6/9/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.22	72.100332	-0.823212	-2.293956
6/9/2022 17:00	6/9/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.95	75.022722	-4.380085	-2.544694
6/9/2022 18:00	6/9/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.3	76.919039	-11.75866	-2.620635
6/9/2022 19:00	6/9/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.27	72.874761	-19.531704	-2.858535
6/9/2022 20:00	6/9/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.64	78.416723	-14.290186	-2.936425
6/9/2022 21:00	6/9/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.27	75.987119	-17.259955	-3.024593
6/9/2022 22:00	6/9/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.63	72.989534	-14.176082	-2.468551
6/9/2022 23:00	6/9/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.71	76.905214	-13.595994	-2.212959
6/10/2022 0:00	6/9/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.05	82.666991	-0.853515	-1.531161
6/10/2022 1:00	6/9/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.42	67.150272	-0.440102	-0.826292
6/10/2022 2:00	6/9/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.92	69.888476	0.08661	-0.121468
6/10/2022 3:00	6/9/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.8	69.626517	0	-0.169317
6/10/2022 4:00	6/10/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.01	60.44761	0.012089	-0.575312
6/10/2022 5:00	6/10/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.67	59.96709	0	-0.70541
6/10/2022 6:00	6/10/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.48	53.867543	0	-0.611623
6/10/2022 7:00	6/10/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.81	51.230053	0	-0.584114
6/10/2022 8:00	6/10/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.43	51.788004	0	-0.638663
6/10/2022 9:00	6/10/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.72	54.022224	0	-0.695276
6/10/2022 10:00	6/10/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.15	54.405509	0	-0.744491
6/10/2022 11:00	6/10/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.16	56.589059	0	-0.569274
6/10/2022 12:00	6/10/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.3	57.199457	0	-0.10471
6/10/2022 13:00	6/10/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.27	57.638203	0.025494	0.346043
6/10/2022 14:00	6/10/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.36	63.3748	0.389814	0.629985
6/10/2022 15:00	6/10/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.54	76.94338	1.277554	1.12666

6/10/2022 16:00	6/10/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.44	75.200048	1.815823	0.948392
6/10/2022 17:00	6/10/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.12	72.862301	1.933913	0.811722
6/10/2022 18:00	6/10/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.26	75.789375	0.909389	0.621652
6/10/2022 19:00	6/10/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.35	77.546877	0.22808	-0.027871
6/10/2022 20:00	6/10/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.6	72.72214	-1.19593	-0.683597
6/10/2022 21:00	6/10/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.06	67.164848	-6.97729	-0.917029
6/10/2022 22:00	6/10/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.39	58.769097	-6.628811	-0.994591
6/10/2022 23:00	6/10/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.32	70.442123	1.80872	-0.68493
6/11/2022 0:00	6/10/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.3	71.36368	2.748112	-0.687765
6/11/2022 1:00	6/10/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.31	67.576649	0.933374	-0.670892
6/11/2022 2:00	6/10/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.74	57.228342	0.013592	-0.521917
6/11/2022 3:00	6/10/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.25	52.013822	0	-1.234512
6/11/2022 4:00	6/11/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.89	47.92068	0	-1.972653
6/11/2022 5:00	6/11/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.38	52.397115	0	-1.978719
6/11/2022 6:00	6/11/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.68	48.919162	0	-1.755838
6/11/2022 7:00	6/11/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.84	47.096641	0	-1.745026
6/11/2022 8:00	6/11/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.07	46.274671	0	-1.797829
6/11/2022 9:00	6/11/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.29	47.343068	0	-1.948599
6/11/2022 10:00	6/11/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.05	44.162134	0	-1.890366
6/11/2022 11:00	6/11/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.19	44.373288	0	-1.813378
6/11/2022 12:00	6/11/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.04	46.360017	0	-1.680817
6/11/2022 13:00	6/11/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.14	49.589662	0	-1.551172
6/11/2022 14:00	6/11/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.68	51.41285	0	-1.267983
6/11/2022 15:00	6/11/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.2	57.201102	0	-0.998065
6/11/2022 16:00	6/11/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.86	68.294027	0.226844	-0.79615
6/11/2022 17:00	6/11/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.7	72.160488	0.100938	-0.644617
6/11/2022 18:00	6/11/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.78	59.736986	-5.73405	-0.306464
6/11/2022 19:00	6/11/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.3	71.029969	-3.242065	-0.030466
6/11/2022 20:00	6/11/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.03	64.875161	-3.266136	0.108796
6/11/2022 21:00	6/11/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.7	68.641418	-3.304584	0.246003
6/11/2022 22:00	6/11/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.91	76.384984	-0.78558	0.265564
6/11/2022 23:00	6/11/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.98	104.14389	11.864143	0.297248
6/12/2022 0:00	6/11/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.8	90.549486	10.443569	0.310917
6/12/2022 1:00	6/11/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.86	92.168995	5.309069	-0.004242
6/12/2022 2:00	6/11/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.42	65.28879	0.868921	0.000702
6/12/2022 3:00	6/11/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.12	67.805949	0	-0.311551
6/12/2022 4:00	6/12/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.11	51.628116	0	-0.486051
6/12/2022 5:00	6/12/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.87	55.288111	0	-0.580222
6/12/2022 6:00	6/12/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.5	56.376697	0	-0.124136
6/12/2022 7:00	6/12/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.15	52.088533	0	-0.058134
6/12/2022 8:00	6/12/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.68	51.664007	0	-0.019326
6/12/2022 9:00	6/12/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.78	51.75654	0	-0.024294
6/12/2022 10:00	6/12/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.71	50.574498	0	-0.133835
6/12/2022 11:00	6/12/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.97	48.550221	0	-0.421446
6/12/2022 12:00	6/12/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.73	49.346519	0	-0.381815
6/12/2022 13:00	6/12/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.83	51.61029	0	-0.216377
6/12/2022 14:00	6/12/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.81	60.385298	0.677701	-0.10407
6/12/2022 15:00	6/12/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.62	73.096106	-4.232482	-0.287245
6/12/2022 16:00	6/12/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.35	108.969937	1.05313	0.565974
6/12/2022 17:00	6/12/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.53	67.546088	-2.157647	0.169568
6/12/2022 18:00	6/12/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.64	81.275594	-0.505218	0.137479
6/12/2022 19:00	6/12/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.88	84.75455	-4.178405	0.053788
6/12/2022 20:00	6/12/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	163.33	174.930934	11.58733	0.015271
6/12/2022 21:00	6/12/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	224.36	246.148207	23.143883	-1.355676
6/12/2022 22:00	6/12/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	163.43	174.04084	12.303832	-1.696325
6/12/2022 23:00	6/12/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126.04	128.643001	3.864629	-1.256628
6/13/2022 0:00	6/12/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.77	98.931525	-3.659763	-1.181212
6/13/2022 1:00	6/12/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.28	98.467934	-2.879859	-0.928874
6/13/2022 2:00	6/12/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93	84.297749	-7.63875	-1.058501
6/13/2022 3:00	6/12/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.09	71.188609	-1.760156	-1.138735
6/13/2022 4:00	6/13/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.04	64.865246	0.024027	-1.197114
6/13/2022 5:00	6/13/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.05	63.644551	-2.037193	-1.368256
6/13/2022 6:00	6/13/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.06	54.128585	-0.838276	-1.097306
6/13/2022 7:00	6/13/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.37	52.872966	1.571639	-1.063674
6/13/2022 8:00	6/13/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.56	55.591967	6.066165	-1.033364
6/13/2022 9:00	6/13/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.95	65.797979	11.019011	-1.171032
6/13/2022 10:00	6/13/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.14	72.890686	3.849627	-1.099774
6/13/2022 11:00	6/13/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.67	81.825101	0.056783	-0.898349
6/13/2022 12:00	6/13/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.04	109.880794	-0.627161	-0.529545
6/13/2022 13:00	6/13/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.9	127.396078	-1.470665	-0.028257
6/13/2022 14:00	6/13/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	195.23	184.938999	-9.902293	-0.392041
6/13/2022 15:00	6/13/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	195.16	201.910428	7.845549	-1.099288
6/13/2022 16:00	6/13/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	266.49	271.957701	10.579814	-5.11628
6/13/2022 17:00	6/13/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	401.6	431.242129	38.91008	-9.272118
6/13/2022 18:00	6/13/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	296.97	308.802254	19.457962	-7.622375
6/13/2022 19:00	6/13/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	1317.72	1377.181519	99.665181	-40.198662
6/13/2022 20:00	6/13/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	2639.71	2698.423928	151.416094	-92.706332
6/13/2022 21:00	6/13/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	1586.15	1528.420372	19.480978	-77.207273
6/13/2022 22:00	6/13/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	398.59	345.856029	-33.369191	-19.366446
6/13/2022 23:00	6/13/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	150.76	131.490783	-12.87965	-6.3904
6/14/2022 0:00	6/13/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.17	121.584203	-5.719959	-4.869171
6/14/2022 1:00	6/13/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.95	112.602426	-6.955855	-4.387552
6/14/2022 2:00	6/13/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.47	112.747077	-1.656227	-3.068363
6/14/2022 3:00	6/13/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.85	77.790727	-12.504101	-2.557672
6/14/2022 4:00	6/14/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.88	57.376291	-11.147045	-2.359164
6/14/2022 5:00	6/14/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.57	48.794768	-7.589952	-2.188613
6/14/2022 6:00	6/14/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.04	45.658263	-6.646119	-1.733119
6/14/2022 7:00	6/14/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.07	47.879958	-2.871579	-1.313463
6/14/2022 8:00	6/14/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.59	51.251613	-2.250058	-1.084162
6/14/2022 9:00	6/14/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.51	59.734054	-0.601996	-1.170616
6/14/2022 10:00	6/14/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.3	70.41148	-1.534091	-1.353596
6/14/2022 11:00	6/14/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.77	78.414307	-0.343487	-1.008873
6/14/2022 12:00	6/14/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.02	102.271268	3.996756	0.252846
6/14/2022 13:00	6/14/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.81	120.104886	29.146124	1.149595
6/14/2022 14:00	6/14/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.62	121.100833	28.303755	1.182077
6/14/2022 15:00	6/14/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.4	131.455695	12.529477	2.527052
6/14/2022 16:00	6/14/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111	114.898314	0.474237	3.420744
6/14/2022 17:00	6/14/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.18	124.314678	3.16712	3.967558
6/14/2022 18:00	6/14/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.26	127.516488	0.409238	4.852251
6/14/2022 19:00	6/14/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	149.7	156.312846	0.885393	5.723287
6/14/2022 20:00	6/14/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.31	138.526661	-0.90707	4.125397
6/14/2022 21:00	6/14/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	184.7	189.05223	0	4.350563
6/14/2022 22:00	6/14/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	163.46	167.4247	0	3.9647
6/14/2022 23:00	6/14/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	136.44	137.420744	-2.07565	3.055561
6/15/2022 0:00	6/14/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.65	116.579897	-1.468292	3.400689
6/15/2022 1:00	6/14/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.29	115.084879	-0.225603	3.022148
6/15/2022 2:00	6/14/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.42	86.386432	-0.97988	1.943813

6/15/2022 3:00	6/14/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.77	81.937963	-3.501166	1.671629
6/15/2022 4:00	6/15/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.44	63.887575	-3.460226	0.904468
6/15/2022 5:00	6/15/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.72	59.634827	-3.146044	1.060037
6/15/2022 6:00	6/15/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.18	56.905474	-0.146422	0.87523
6/15/2022 7:00	6/15/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.09	53.056333	-0.451334	0.416834
6/15/2022 8:00	6/15/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.11	53.316183	0.076666	0.134517
6/15/2022 9:00	6/15/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.14	65.050665	4.723086	0.189245
6/15/2022 10:00	6/15/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.87	66.502288	4.471123	0.159499
6/15/2022 11:00	6/15/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.23	83.594097	7.061776	0.303988
6/15/2022 12:00	6/15/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.42	116.108723	2.080999	1.605224
6/15/2022 13:00	6/15/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.98	144.179157	9.956988	2.244669
6/15/2022 14:00	6/15/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.84	95.166273	1.4924	1.836373
6/15/2022 15:00	6/15/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.02	116.040772	-3.087093	3.108699
6/15/2022 16:00	6/15/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	157.59	167.470597	5.427801	4.454463
6/15/2022 17:00	6/15/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	179.84	216.328399	31.637316	4.851082
6/15/2022 18:00	6/15/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	194.59	223.694986	25.124878	3.985108
6/15/2022 19:00	6/15/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	175.61	196.841344	18.919344	2.308667
6/15/2022 20:00	6/15/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	174.42	185.951492	10.227134	1.302692
6/15/2022 21:00	6/15/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	223.96	241.470929	16.243252	1.26851
6/15/2022 22:00	6/15/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	206.88	221.099581	12.550431	1.668318
6/15/2022 23:00	6/15/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	232.27	251.299339	18.137156	0.892183
6/16/2022 0:00	6/15/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	165.12	171.186979	5.76669	0.301956
6/16/2022 1:00	6/15/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	171.51	184.387573	12.394673	0.4829
6/16/2022 2:00	6/15/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.66	135.297852	8.441655	1.193698
6/16/2022 3:00	6/15/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.78	125.790801	6.790856	1.218278
6/16/2022 4:00	6/16/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.52	92.538567	-4.154887	0.169287
6/16/2022 5:00	6/16/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.76	73.370636	-1.128307	-0.257724
6/16/2022 6:00	6/16/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.73	56.532885	-3.826399	-0.374882
6/16/2022 7:00	6/16/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.77	55.443815	-2.93048	-0.395706
6/16/2022 8:00	6/16/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.37	56.017085	-1.912123	-0.440792
6/16/2022 9:00	6/16/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.25	70.541382	-2.219073	-0.487878
6/16/2022 10:00	6/16/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.84	73.618305	-4.644831	-0.572697
6/16/2022 11:00	6/16/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.22	86.32356	-2.600365	-0.291909
6/16/2022 12:00	6/16/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.04	78.650229	0.472388	0.137008
6/16/2022 13:00	6/16/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.53	89.417525	4.849421	0.038937
6/16/2022 14:00	6/16/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.48	110.558792	8.006063	0.068563
6/16/2022 15:00	6/16/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.74	130.225336	8.615048	-0.124712
6/16/2022 16:00	6/16/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.08	113.686283	8.437604	0.165346
6/16/2022 17:00	6/16/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.25	131.304949	13.68266	0.373956
6/16/2022 18:00	6/16/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	139.18	156.381243	15.961815	1.236928
6/16/2022 19:00	6/16/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.47	142.210892	12.490737	1.252654
6/16/2022 20:00	6/16/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.84	127.222808	8.700462	0.679846
6/16/2022 21:00	6/16/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.2	128.602477	9.415607	0.982703
6/16/2022 22:00	6/16/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.75	128.387363	4.240158	1.400538
6/16/2022 23:00	6/16/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.38	135.581134	1.535432	2.66487
6/17/2022 0:00	6/16/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.31	120.079431	-1.552409	3.325173
6/17/2022 1:00	6/16/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.6	115.808676	-1.901932	2.112275
6/17/2022 2:00	6/16/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.04	114.457551	-3.942483	2.358367
6/17/2022 3:00	6/16/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.86	82.309288	-2.57418	1.027635
6/17/2022 4:00	6/17/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.17	63.918317	-5.300811	0.045795
6/17/2022 5:00	6/17/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.39	59.446791	-6.987763	0.049554
6/17/2022 6:00	6/17/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.14	55.23526	-7.056572	0.152665
6/17/2022 7:00	6/17/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.81	55.228475	-5.941156	0.359631
6/17/2022 8:00	6/17/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.07	57.537193	-6.003464	0.470658
6/17/2022 9:00	6/17/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.79	49.189853	-6.810069	0.213256
6/17/2022 10:00	6/17/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.97	50.900085	-4.148692	0.081276
6/17/2022 11:00	6/17/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.52	69.280938	-4.358198	0.115803
6/17/2022 12:00	6/17/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.69	90.318713	1.128967	0.503914
6/17/2022 13:00	6/17/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.13	102.410093	-0.965507	0.244767
6/17/2022 14:00	6/17/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.61	95.127493	-3.370431	-0.11291
6/17/2022 15:00	6/17/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.26	88.68206	-6.153954	-0.424819
6/17/2022 16:00	6/17/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.91	91.293864	-9.111792	-1.501011
6/17/2022 17:00	6/17/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.44	104.242215	-5.952821	-2.241631
6/17/2022 18:00	6/17/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	120.07	116.741878	-0.602858	-2.725264
6/17/2022 19:00	6/17/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.42	107.048594	-1.532609	-2.84213
6/17/2022 20:00	6/17/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	141.59	122.69454	-14.70818	-4.190614
6/17/2022 21:00	6/17/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.99	104.421669	-4.864313	-3.707351
6/17/2022 22:00	6/17/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.69	111.785865	-1.752538	-3.15243
6/17/2022 23:00	6/17/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.05	95.473494	-3.790499	-1.783507
6/18/2022 0:00	6/17/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.52	82.477948	-5.191443	-0.853108
6/18/2022 1:00	6/17/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.78	77.900316	-5.572136	-0.311715
6/18/2022 2:00	6/17/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.02	65.958414	-4.566726	-0.490694
6/18/2022 3:00	6/17/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.44	60.950812	-1.375703	-1.117652
6/18/2022 4:00	6/18/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.56	55.942782	-1.973533	-1.646185
6/18/2022 5:00	6/18/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.38	51.566682	-0.251268	-1.563717
6/18/2022 6:00	6/18/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.29	46.212036	-1.54055	-1.534914
6/18/2022 7:00	6/18/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.94	42.298941	-2.094505	-1.544887
6/18/2022 8:00	6/18/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.52	41.515322	-1.332958	-1.674221
6/18/2022 9:00	6/18/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.58	41.777894	-1.319581	-1.480859
6/18/2022 10:00	6/18/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.44	42.207884	-0.934847	-1.301436
6/18/2022 11:00	6/18/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.56	44.459556	-0.911774	-1.185336
6/18/2022 12:00	6/18/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.85	51.432467	-0.417365	-0.996835
6/18/2022 13:00	6/18/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.39	47.329037	-0.088505	-0.975792
6/18/2022 14:00	6/18/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.69	45.233374	0.042138	-0.495431
6/18/2022 15:00	6/18/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.56	47.389458	0.049863	-0.215405
6/18/2022 16:00	6/18/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.92	48.565392	0.632199	0.009859
6/18/2022 17:00	6/18/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.29	50.506032	1.117476	0.09939
6/18/2022 18:00	6/18/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.76	59.860732	2.445733	0.652499
6/18/2022 19:00	6/18/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.79	57.166507	1.554157	0.827349
6/18/2022 20:00	6/18/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.84	57.979714	-1.75618	0.900061
6/18/2022 21:00	6/18/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.06	62.475225	-2.764291	1.176183
6/18/2022 22:00	6/18/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.84	59.742124	1.95329	0.953001
6/18/2022 23:00	6/18/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.6	57.96308	-2.342168	0.704415
6/19/2022 0:00	6/18/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.67	48.055447	-0.972635	0.359748
6/19/2022 1:00	6/18/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.74	47.602799	-1.068349	-0.065518
6/19/2022 2:00	6/18/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.37	43.131706	0	-0.239127
6/19/2022 3:00	6/18/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.95	39.567408	0	-0.380925
6/19/2022 4:00	6/19/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.52	26.162714	-0.802864	-0.555256
6/19/2022 5:00	6/19/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.45	36.040974	0	-0.410692
6/19/2022 6:00	6/19/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.98	33.748145	0	-0.236021
6/19/2022 7:00	6/19/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.29	31.12942	0	-0.16308
6/19/2022 8:00	6/19/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.23	28.079605	0	-0.147895
6/19/2022 9:00	6/19/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.49	25.357778	0	-0.127222
6/19/2022 10:00	6/19/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	10.25	10.204757	0	-0.046077
6/19/2022 11:00	6/19/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	8.47	8.430377	0	-0.037957
6/19/2022 12:00	6/19/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	5.03	5.041679	0	0.007512
6/19/2022 13:00	6/19/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.75	22.993807	0	0.243807

6/19/2022 14:00	6/19/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.14	38.663978	0	0.527312
6/19/2022 15:00	6/19/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.97	38.65889	0	0.685557
6/19/2022 16:00	6/19/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.87	40.518568	0.705802	0.939433
6/19/2022 17:00	6/19/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.52	43.069034	4.545253	1.002115
6/19/2022 18:00	6/19/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.98	45.310225	5.250121	1.07677
6/19/2022 19:00	6/19/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.55	49.426156	5.738335	1.137821
6/19/2022 20:00	6/19/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.67	61.471202	5.207459	1.595411
6/19/2022 21:00	6/19/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.9	69.653512	3.609704	2.142974
6/19/2022 22:00	6/19/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.77	90.595707	5.991127	2.832914
6/19/2022 23:00	6/19/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.45	78.299379	4.249447	2.602431
6/20/2022 0:00	6/19/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.38	60.79998	1.40756	2.013254
6/20/2022 1:00	6/19/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.45	58.892304	0	1.438971
6/20/2022 2:00	6/19/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.53	57.579966	0	1.045799
6/20/2022 3:00	6/19/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.68	43.943371	0	0.265038
6/20/2022 4:00	6/20/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.04	40.610407	0	-0.429593
6/20/2022 5:00	6/20/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.51	37.860504	0	-0.648662
6/20/2022 6:00	6/20/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.13	31.494047	0	-0.64012
6/20/2022 7:00	6/20/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.65	31.073132	0	-0.579368
6/20/2022 8:00	6/20/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.82	31.894923	-0.299504	-0.628073
6/20/2022 9:00	6/20/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.79	39.636206	6.36573	-0.522024
6/20/2022 10:00	6/20/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.37	39.043433	4.219555	-0.543621
6/20/2022 11:00	6/20/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.51	40.194034	0	-0.3168
6/20/2022 12:00	6/20/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.96	44.258611	0	0.300277
6/20/2022 13:00	6/20/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.46	45.279884	0	0.824884
6/20/2022 14:00	6/20/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.56	45.668608	0	1.104441
6/20/2022 15:00	6/20/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.37	65.04483	5.410283	2.264547
6/20/2022 16:00	6/20/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.08	100.92133	10.449364	4.394466
6/20/2022 17:00	6/20/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.49	92.761787	8.948901	4.326219
6/20/2022 18:00	6/20/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.24	119.273408	15.521096	5.511479
6/20/2022 19:00	6/20/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.68	89.722532	7.07359	3.968943
6/20/2022 20:00	6/20/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.7	105.223356	-15.620962	6.145985
6/20/2022 21:00	6/20/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.61	107.004505	1.947235	4.44727
6/20/2022 22:00	6/20/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.68	119.464914	4.770032	5.017382
6/20/2022 23:00	6/20/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.33	107.824859	8.983882	4.51431
6/21/2022 0:00	6/20/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.64	99.053301	6.258775	4.156192
6/21/2022 1:00	6/20/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.45	86.892461	4.597797	2.840498
6/21/2022 2:00	6/20/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.56	68.096127	2.607885	1.924075
6/21/2022 3:00	6/20/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.42	48.719212	-1.368663	0.668709
6/21/2022 4:00	6/21/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.83	34.121538	-3.309249	-0.399213
6/21/2022 5:00	6/21/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.98	24.680754	-2.758546	-0.542367
6/21/2022 6:00	6/21/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	12.29	9.715934	-2.266383	-0.302684
6/21/2022 7:00	6/21/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	-0.36	-2.046461	-1.698941	0.007481
6/21/2022 8:00	6/21/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.07	18.083403	-3.54069	-0.44924
6/21/2022 9:00	6/21/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.84	27.581676	-3.494552	-0.759606
6/21/2022 10:00	6/21/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.07	31.343726	-2.77117	-0.958438
6/21/2022 11:00	6/21/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.64	40.526167	-1.372811	-0.744355
6/21/2022 12:00	6/21/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.31	46.633352	-1.694042	0.022394
6/21/2022 13:00	6/21/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45	45.860112	0.134295	0.721651
6/21/2022 14:00	6/21/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.49	53.584478	0.964047	1.127098
6/21/2022 15:00	6/21/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.18	71.187054	3.220136	1.789419
6/21/2022 16:00	6/21/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.82	100.411152	7.350936	3.237716
6/21/2022 17:00	6/21/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.24	82.8019	5.824222	2.737678
6/21/2022 18:00	6/21/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.62	128.803561	11.737487	3.443573
6/21/2022 19:00	6/21/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.22	137.385969	3.699845	3.469458
6/21/2022 20:00	6/21/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	158.88	172.293414	9.812899	3.596348
6/21/2022 21:00	6/21/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	212.73	231.828617	14.823639	4.275811
6/21/2022 22:00	6/21/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	139.3	155.07915	13.345895	2.434088
6/21/2022 23:00	6/21/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	171.13	204.928093	30.090643	3.703283
6/22/2022 0:00	6/21/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	133.77	152.511962	15.01743	3.722866
6/22/2022 1:00	6/21/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	141.59	162.873351	17.3723	3.912718
6/22/2022 2:00	6/21/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.04	101.034795	6.556794	2.437167
6/22/2022 3:00	6/21/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.29	79.399155	2.872438	2.235051
6/22/2022 4:00	6/22/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.54	59.420211	0.642752	1.240793
6/22/2022 5:00	6/22/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.72	50.687187	0	0.964687
6/22/2022 6:00	6/22/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.8	45.437192	0	0.637192
6/22/2022 7:00	6/22/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.89	42.258222	0	0.372389
6/22/2022 8:00	6/22/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.02	42.337859	0	0.317026
6/22/2022 9:00	6/22/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.57	43.799757	0	0.230591
6/22/2022 10:00	6/22/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.5	45.727248	0	0.226414
6/22/2022 11:00	6/22/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.58	48.215099	0	0.634265
6/22/2022 12:00	6/22/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.19	65.630832	0	1.438332
6/22/2022 13:00	6/22/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.92	80.084637	0.034808	2.129829
6/22/2022 14:00	6/22/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.23	102.535395	1.860748	2.448814
6/22/2022 15:00	6/22/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	139.89	149.963159	7.764943	2.305715
6/22/2022 16:00	6/22/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.17	117.309255	6.707913	1.428842
6/22/2022 17:00	6/22/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.94	141.182676	10.352661	0.888349
6/22/2022 18:00	6/22/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.03	138.191707	9.968461	0.198245
6/22/2022 19:00	6/22/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	182.04	193.088975	12.076297	-1.025655
6/22/2022 20:00	6/22/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.09	115.659347	7.571024	-1.005011
6/22/2022 21:00	6/22/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.45	115.897555	7.627436	-0.178215
6/22/2022 22:00	6/22/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.61	113.863071	7.915018	0.341387
6/22/2022 23:00	6/22/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.28	98.750367	6.4431	1.029767
6/23/2022 0:00	6/22/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	146.19	162.573735	13.909127	2.477109
6/23/2022 1:00	6/22/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.94	79.431447	4.316644	1.17897
6/23/2022 2:00	6/22/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.06	74.382551	4.194346	1.132372
6/23/2022 3:00	6/22/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.51	62.096655	2.016421	0.574401
6/23/2022 4:00	6/23/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.29	73.930201	1.757789	-0.120088
6/23/2022 5:00	6/23/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.49	56.634392	1.258117	-0.112059
6/23/2022 6:00	6/23/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.76	45.124928	0.506356	-0.138095
6/23/2022 7:00	6/23/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.55	41.249277	0	-0.301556
6/23/2022 8:00	6/23/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.02	41.68942	0.010153	-0.3449
6/23/2022 9:00	6/23/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.21	45.232669	0.294	-0.272998
6/23/2022 10:00	6/23/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.66	49.750417	1.45267	-0.35892
6/23/2022 11:00	6/23/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.17	97.101315	6.483701	-0.552386
6/23/2022 12:00	6/23/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.76	95.391608	5.638488	-0.00188
6/23/2022 13:00	6/23/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.25	64.784949	1.18267	0.351446
6/23/2022 14:00	6/23/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.76	79.566961	3.511339	1.291455
6/23/2022 15:00	6/23/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.56	93.783715	6.41571	1.806338
6/23/2022 16:00	6/23/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.08	127.957392	10.220818	2.658241
6/23/2022 17:00	6/23/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.23	91.658995	5.197703	2.227958
6/23/2022 18:00	6/23/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.66	94.229848	5.815929	2.754753
6/23/2022 19:00	6/23/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	151.41	171.418218	14.688966	5.322585
6/23/2022 20:00	6/23/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	176.31	198.515757	15.980038	6.224886
6/23/2022 21:00	6/23/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	145.4	163.36771	12.725773	5.238604
6/23/2022 22:00	6/23/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.86	135.952448	7.888384	4.199897
6/23/2022 23:00	6/23/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.12	113.787139	3.212452	3.450521
6/24/2022 0:00	6/23/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.8	132.791867	10.360664	3.628702

6/24/2022 1:00	6/23/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.56	120.563561	9.837133	2.164761
6/24/2022 2:00	6/23/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.03	90.518784	6.284697	1.199921
6/24/2022 3:00	6/23/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.35	57.147137	1.453569	0.346901
6/24/2022 4:00	6/24/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.8	46.701861	0.168634	-0.270106
6/24/2022 5:00	6/24/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.23	42.930574	0	-0.30276
6/24/2022 6:00	6/24/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.52	39.10681	0	-0.416524
6/24/2022 7:00	6/24/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.95	38.534644	0	-0.418689
6/24/2022 8:00	6/24/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.85	37.437189	0	-0.411978
6/24/2022 9:00	6/24/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.25	39.781105	0	-0.470562
6/24/2022 10:00	6/24/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.9	41.552896	0	-0.347938
6/24/2022 11:00	6/24/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.31	46.011294	0	-0.301206
6/24/2022 12:00	6/24/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.49	69.938208	2.995839	0.450702
6/24/2022 13:00	6/24/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.71	92.070651	6.232016	1.124468
6/24/2022 14:00	6/24/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.65	84.508984	4.564442	1.294542
6/24/2022 15:00	6/24/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.78	97.786796	6.359692	1.650437
6/24/2022 16:00	6/24/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.81	112.52792	6.848429	1.873658
6/24/2022 17:00	6/24/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.89	123.67952	8.561895	2.231791
6/24/2022 18:00	6/24/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	134.78	140.547292	3.034821	2.734138
6/24/2022 19:00	6/24/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	143.91	145.794083	-0.870158	2.757574
6/24/2022 20:00	6/24/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	338.36	367.801105	22.431781	7.011823
6/24/2022 21:00	6/24/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	153.76	162.713536	6.02242	2.934449
6/24/2022 22:00	6/24/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	175.85	177.705198	-1.141185	2.996383
6/24/2022 23:00	6/24/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	187.98	201.369106	10.196587	3.195019
6/25/2022 0:00	6/24/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.1	130.029835	16.712997	2.213505
6/25/2022 1:00	6/24/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.98	113.982734	9.542555	1.460179
6/25/2022 2:00	6/24/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.76	106.898915	6.374925	1.76149
6/25/2022 3:00	6/24/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.35	85.662925	3.721461	1.587298
6/25/2022 4:00	6/25/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.92	54.713043	0.259584	0.530959
6/25/2022 5:00	6/25/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.91	80.29216	0	0.385493
6/25/2022 6:00	6/25/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.53	42.493237	0	-0.037596
6/25/2022 7:00	6/25/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.1	40.959477	0	-0.14469
6/25/2022 8:00	6/25/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.49	39.253913	0.008328	-0.239414
6/25/2022 9:00	6/25/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.83	38.479859	0	-0.348474
6/25/2022 10:00	6/25/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38	37.704279	0.002064	-0.296952
6/25/2022 11:00	6/25/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.18	38.886327	-0.008815	-0.288192
6/25/2022 12:00	6/25/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.61	42.376312	0.005646	-0.242668
6/25/2022 13:00	6/25/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.06	66.745998	1.567633	0.122532
6/25/2022 14:00	6/25/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.91	64.341208	-1.451112	-0.121014
6/25/2022 15:00	6/25/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.27	74.780498	-3.683505	-0.80933
6/25/2022 16:00	6/25/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.79	72.107632	-3.775142	-1.90806
6/25/2022 17:00	6/25/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.78	93.273386	5.095824	-2.597438
6/25/2022 18:00	6/25/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.27	74.611247	6.755812	-2.412065
6/25/2022 19:00	6/25/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.25	104.383514	8.163799	-4.030284
6/25/2022 20:00	6/25/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.35	111.311329	-4.78415	-5.252021
6/25/2022 21:00	6/25/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.68	99.729144	-9.920472	-5.032052
6/25/2022 22:00	6/25/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	120.74	106.577518	-8.824384	-5.338931
6/25/2022 23:00	6/25/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.79	116.228488	1.569079	-4.125591
6/26/2022 0:00	6/25/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.73	93.884885	5.291688	-2.134302
6/26/2022 1:00	6/25/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.27	97.902292	4.481646	-1.847687
6/26/2022 2:00	6/25/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.18	103.077321	6.919585	-1.023931
6/26/2022 3:00	6/25/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.54	64.862738	-3.90852	-0.771242
6/26/2022 4:00	6/26/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.36	72.362033	-1.739736	-1.254898
6/26/2022 5:00	6/26/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.32	43.98519	-1.285277	-1.047867
6/26/2022 6:00	6/26/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.75	38.885964	-0.962972	-0.896064
6/26/2022 7:00	6/26/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.9	39.745012	-0.322641	-0.829848
6/26/2022 8:00	6/26/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.02	39.199624	0.02	-0.836209
6/26/2022 9:00	6/26/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.59	38.837905	0.014011	-0.76694
6/26/2022 10:00	6/26/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.23	37.637267	0.016335	-0.607401
6/26/2022 11:00	6/26/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.2	38.377369	0.015152	-0.83695
6/26/2022 12:00	6/26/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.28	39.017429	-1.354826	-0.908578
6/26/2022 13:00	6/26/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.08	45.527285	2.552558	-1.106107
6/26/2022 14:00	6/26/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.32	47.771196	-3.061999	-1.484305
6/26/2022 15:00	6/26/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.43	52.893093	-4.919297	-1.61261
6/26/2022 16:00	6/26/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.09	68.999584	-4.804508	-2.280907
6/26/2022 17:00	6/26/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.68	71.759163	-14.013104	-2.911899
6/26/2022 18:00	6/26/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.23	70.406072	-10.633837	-3.192591
6/26/2022 19:00	6/26/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.19	75.57453	-9.753045	-3.864925
6/26/2022 20:00	6/26/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.01	66.102765	-31.013444	-4.896291
6/26/2022 21:00	6/26/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.59	48.60792	-36.699837	-4.285577
6/26/2022 22:00	6/26/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.9	63.952536	-14.008674	-3.934623
6/26/2022 23:00	6/26/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.37	61.543441	-9.860978	-2.963914
6/27/2022 0:00	6/26/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.44	66.673927	-4.206644	-2.555263
6/27/2022 1:00	6/26/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.89	75.217859	-5.716219	-2.952589
6/27/2022 2:00	6/26/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.81	48.96184	-4.858992	-1.991668
6/27/2022 3:00	6/26/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.29	55.414153	-4.86523	-2.005617
6/27/2022 4:00	6/27/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.91	43.047207	-7.963922	-1.900537
6/27/2022 5:00	6/27/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.25	37.199988	-8.053599	-1.997246
6/27/2022 6:00	6/27/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.3	27.807535	-9.709323	-1.780642
6/27/2022 7:00	6/27/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.97	32.738256	-5.507242	-1.727835
6/27/2022 8:00	6/27/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.08	33.365718	-4.901057	-1.813225
6/27/2022 9:00	6/27/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.68	38.019334	-5.565196	-2.090471
6/27/2022 10:00	6/27/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.95	40.743921	-5.026048	-2.180031
6/27/2022 11:00	6/27/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.32	84.490639	-13.402572	-4.429289
6/27/2022 12:00	6/27/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.35	92.206402	-8.234943	-3.905321
6/27/2022 13:00	6/27/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.28	65.27424	0	-2.00576
6/27/2022 14:00	6/27/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.56	70.17702	0.015253	-2.401567
6/27/2022 15:00	6/27/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.57	79.761213	-0.482221	-3.323233
6/27/2022 16:00	6/27/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.77	61.185375	-4.751256	-2.831703
6/27/2022 17:00	6/27/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.08	74.959297	-7.846343	-3.272693
6/27/2022 18:00	6/27/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.83	77.352235	-7.923759	-2.55484
6/27/2022 19:00	6/27/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.25	98.050305	-5.574124	-2.629738
6/27/2022 20:00	6/27/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.73	90.165682	-11.244671	-2.323813
6/27/2022 21:00	6/27/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	338.15	332.875118	2.228757	-7.506972
6/27/2022 22:00	6/27/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.92	92.761219	1.942274	-2.097721
6/27/2022 23:00	6/27/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.81	85.047858	3.849595	-1.610071
6/28/2022 0:00	6/27/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.12	81.424475	6.372522	-1.069713
6/28/2022 1:00	6/27/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.22	72.194312	4.180227	-1.205082
6/28/2022 2:00	6/27/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.18	55.721273	2.230518	-0.691745
6/28/2022 3:00	6/27/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.12	53.00592	1.274459	-0.386039
6/28/2022 4:00	6/28/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.65	42.981621	0.000599	-0.671478
6/28/2022 5:00	6/28/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.61	45.816102	0.001976	-0.800041
6/28/2022 6:00	6/28/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.26	37.39775	0	-0.86225
6/28/2022 7:00	6/28/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.18	36.181294	-0.150964	-0.846909
6/28/2022 8:00	6/28/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.1	36.219777	0	-0.875223
6/28/2022 9:00	6/28/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.02	38.058719	-0.089002	-0.870613
6/28/2022 10:00	6/28/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.84	37.487	-0.590499	-0.761668
6/28/2022 11:00	6/28/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.35	38.622916	-0.036773	-0.691145

6/28/2022 12:00	6/28/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.71	38.115322	0	-0.598845
6/28/2022 13:00	6/28/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.8	38.346552	0	-0.452615
6/28/2022 14:00	6/28/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.39	39.389183	0.158992	-0.155643
6/28/2022 15:00	6/28/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.7	45.767692	1.045917	0.026775
6/28/2022 16:00	6/28/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.75	54.779917	1.914701	0.114383
6/28/2022 17:00	6/28/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.58	59.570839	2.736772	0.250734
6/28/2022 18:00	6/28/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.62	76.304768	4.250103	0.437165
6/28/2022 19:00	6/28/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.34	91.741442	7.045467	0.355975
6/28/2022 20:00	6/28/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.07	107.753504	5.643615	0.044889
6/28/2022 21:00	6/28/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.63	139.413558	8.75355	0.029174
6/28/2022 22:00	6/28/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.66	85.210803	4.512954	0.040349
6/28/2022 23:00	6/28/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.05	76.51804	5.125201	0.343672
6/29/2022 0:00	6/28/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.44	64.407174	3.630552	0.337455
6/29/2022 1:00	6/28/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.92	53.796828	1.976434	-0.098773
6/29/2022 2:00	6/28/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.48	46.980342	0.668848	-0.163506
6/29/2022 3:00	6/28/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.94	45.999984	0.144059	-0.088242
6/29/2022 4:00	6/29/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.32	39.755827	0	-0.565006
6/29/2022 5:00	6/29/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.81	38.014469	0	-0.793031
6/29/2022 6:00	6/29/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.09	35.264375	-0.005872	-0.823921
6/29/2022 7:00	6/29/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.63	33.805548	0	-0.820286
6/29/2022 8:00	6/29/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.32	33.350524	0	-0.969476
6/29/2022 9:00	6/29/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.57	35.592314	-0.010692	-0.962827
6/29/2022 10:00	6/29/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.73	36.746881	-0.055559	-0.931726
6/29/2022 11:00	6/29/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.28	38.277382	-0.05356	-0.952392
6/29/2022 12:00	6/29/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.83	39.203507	0	-0.627326
6/29/2022 13:00	6/29/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.72	44.96852	0.327535	-0.081514
6/29/2022 14:00	6/29/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.5	59.64624	1.879241	0.264499
6/29/2022 15:00	6/29/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.33	69.889629	3.268075	0.289054
6/29/2022 16:00	6/29/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.85	85.212308	3.925945	0.44053
6/29/2022 17:00	6/29/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.99	77.618575	2.258928	0.374647
6/29/2022 18:00	6/29/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.88	140.535907	9.750013	0.904228
6/29/2022 19:00	6/29/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.8	121.905458	3.642698	0.463593
6/29/2022 20:00	6/29/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	203.08	213.415064	9.122171	1.208726
6/29/2022 21:00	6/29/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	162.47	175.070225	11.944751	0.659641
6/29/2022 22:00	6/29/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.61	132.047307	8.398439	0.037201
6/29/2022 23:00	6/29/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.55	114.291578	8.724969	0.021609
6/30/2022 0:00	6/29/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.73	104.038929	8.281984	0.029445
6/30/2022 1:00	6/29/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.92	94.396574	6.785556	-0.308982
6/30/2022 2:00	6/29/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.67	63.405945	1.480748	-0.743136
6/30/2022 3:00	6/29/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.44	57.686871	0.961725	-0.714854
6/30/2022 4:00	6/30/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.65	48.167691	-0.392916	-1.090226
6/30/2022 5:00	6/30/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.15	41.353388	-0.125171	-1.673108
6/30/2022 6:00	6/30/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.24	39.657331	-0.086948	-1.494888
6/30/2022 7:00	6/30/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.34	35.722089	-2.261719	-1.357026
6/30/2022 8:00	6/30/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.39	38.989986	-0.100108	-1.299073
6/30/2022 9:00	6/30/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.49	40.277533	-0.040512	-1.169456
6/30/2022 10:00	6/30/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.23	41.460511	-0.673678	-1.095811
6/30/2022 11:00	6/30/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.63	47.842463	-0.65457	-1.127968
6/30/2022 12:00	6/30/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.09	47.774916	-1.498377	-0.815041
6/30/2022 13:00	6/30/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.65	53.484345	0.191743	-0.354064
6/30/2022 14:00	6/30/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.34	63.165034	0.267475	-0.439107
6/30/2022 15:00	6/30/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.72	68.836136	-0.141298	-0.742566
6/30/2022 16:00	6/30/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.51	91.943258	3.670645	-1.241554
6/30/2022 17:00	6/30/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.57	83.835254	0.34976	-1.081173
6/30/2022 18:00	6/30/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.75	90.001057	0.581707	-1.333984
6/30/2022 19:00	6/30/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.34	123.307987	6.645324	-1.679836
6/30/2022 20:00	6/30/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.63	131.699312	5.67344	-2.607461
6/30/2022 21:00	6/30/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.8	129.202613	4.02264	-2.620026
6/30/2022 22:00	6/30/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.74	117.556222	5.914373	-2.099817
6/30/2022 23:00	6/30/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.99	108.090268	5.517695	-1.414094
7/1/2022 0:00	6/30/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.19	98.867695	8.204808	-0.522946
7/1/2022 1:00	6/30/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.1	84.798871	4.24097	-0.538766
7/1/2022 2:00	6/30/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.79	75.341783	3.207086	-0.651137
7/1/2022 3:00	6/30/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.01	60.673584	0.514878	-0.846293
7/1/2022 4:00	7/1/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.71	49.690604	0	-1.016062
7/1/2022 5:00	7/1/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.87	46.685596	0	-1.180238
7/1/2022 6:00	7/1/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45	43.137649	-0.787312	-1.077539
7/1/2022 7:00	7/1/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.82	41.727459	-0.002508	-1.093367
7/1/2022 8:00	7/1/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.62	41.098137	-0.459428	-1.064935
7/1/2022 9:00	7/1/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.47	43.284843	-0.226488	-0.956169
7/1/2022 10:00	7/1/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.32	43.050558	-0.335659	-0.934617
7/1/2022 11:00	7/1/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.84	49.471335	-0.377882	-0.989117
7/1/2022 12:00	7/1/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.06	77.964114	-0.115572	-0.976147
7/1/2022 13:00	7/1/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.42	86.887163	-4.130596	-0.397241
7/1/2022 14:00	7/1/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.15	82.864412	-1.523123	-0.757464
7/1/2022 15:00	7/1/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.75	130.021215	0.275784	-2.002068
7/1/2022 16:00	7/1/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.08	114.022314	-7.309742	-2.750444
7/1/2022 17:00	7/1/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.52	103.63732	-22.802038	-4.082309
7/1/2022 18:00	7/1/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	133.3	98.518738	-30.609927	-4.168002
7/1/2022 19:00	7/1/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.17	75.365976	-25.37296	-3.426064
7/1/2022 20:00	7/1/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.26	82.97944	-18.020508	-3.261719
7/1/2022 21:00	7/1/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.31	91.319509	-16.241419	-3.746573
7/1/2022 22:00	7/1/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.38	83.057785	-11.610585	-2.714963
7/1/2022 23:00	7/1/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.12	79.306957	-4.796859	-2.016184
7/2/2022 0:00	7/1/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.29	82.829532	-0.714834	-1.743967
7/2/2022 1:00	7/1/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.21	65.909227	-8.624872	-1.680068
7/2/2022 2:00	7/1/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.34	65.194222	-5.371879	-1.773898
7/2/2022 3:00	7/1/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.36	61.501441	-3.076454	-1.780439
7/2/2022 4:00	7/2/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.18	54.292159	0.026301	-1.912476
7/2/2022 5:00	7/2/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.74	55.570095	-0.22038	-1.951192
7/2/2022 6:00	7/2/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.15	50.702408	-0.462736	-1.980689
7/2/2022 7:00	7/2/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.62	44.849513	0	-1.770487
7/2/2022 8:00	7/2/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.12	42.416341	0	-1.703659
7/2/2022 9:00	7/2/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.32	42.587539	0	-1.730795
7/2/2022 10:00	7/2/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.57	39.994669	0	-1.577831
7/2/2022 11:00	7/2/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.38	40.737977	0	-1.642857
7/2/2022 12:00	7/2/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.13	43.43833	0	-1.695836
7/2/2022 13:00	7/2/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.25	46.602532	-0.075333	-1.575468
7/2/2022 14:00	7/2/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.33	74.419132	-1.524558	-2.38631
7/2/2022 15:00	7/2/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.41	91.58196	-2.888265	-2.942275
7/2/2022 16:00	7/2/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.18	84.639622	-0.924659	-2.613219
7/2/2022 17:00	7/2/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.89	86.247448	-0.049475	-2.595577
7/2/2022 18:00	7/2/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.82	92.188393	-4.306686	-3.31992
7/2/2022 19:00	7/2/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.86	93.008499	-5.191119	-3.656216
7/2/2022 20:00	7/2/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.64	103.108162	-2.54385	-3.988821
7/2/2022 21:00	7/2/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	133.65	120.050324	-8.719888	-4.883955
7/2/2022 22:00	7/2/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.36	81.390385	-9.590772	-3.376343

7/2/2022 23:00	7/2/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.3	79.208007	-5.981008	-3.107652
7/3/2022 0:00	7/2/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.87	74.036687	1.764212	-2.595025
7/3/2022 1:00	7/2/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.77	72.567721	0.085494	-2.285273
7/3/2022 2:00	7/2/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.14	64.006629	-0.036424	-2.096947
7/3/2022 3:00	7/2/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.78	54.560284	-1.166274	-2.054275
7/3/2022 4:00	7/3/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.34	46.098686	-1.377722	-1.865259
7/3/2022 5:00	7/3/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.6	46.147248	-0.535921	-1.917665
7/3/2022 6:00	7/3/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.05	42.395058	0	-1.657442
7/3/2022 7:00	7/3/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.34	37.736243	0	-1.603757
7/3/2022 8:00	7/3/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.01	35.364355	0	-1.644812
7/3/2022 9:00	7/3/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.92	34.268652	0	-1.647182
7/3/2022 10:00	7/3/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.33	33.79862	0	-1.52888
7/3/2022 11:00	7/3/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.88	34.375512	0	-1.507821
7/3/2022 12:00	7/3/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.19	34.644719	0	-1.545281
7/3/2022 13:00	7/3/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.15	37.019102	0	-1.130065
7/3/2022 14:00	7/3/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.77	46.019829	0.188997	-0.936668
7/3/2022 15:00	7/3/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.46	47.756367	0.005282	-0.708915
7/3/2022 16:00	7/3/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.85	62.919346	2.334843	-0.267997
7/3/2022 17:00	7/3/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.01	56.057225	2.203229	-0.158504
7/3/2022 18:00	7/3/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.46	66.425589	2.812821	0.151935
7/3/2022 19:00	7/3/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.89	73.618891	3.805828	-0.076104
7/3/2022 20:00	7/3/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.94	79.885726	3.41895	-0.469058
7/3/2022 21:00	7/3/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.35	88.196306	1.515112	-0.663806
7/3/2022 22:00	7/3/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.96	94.19915	4.735706	-0.499889
7/3/2022 23:00	7/3/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.49	80.643837	5.487875	-0.331539
7/4/2022 0:00	7/3/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.36	68.442443	3.920868	0.162409
7/4/2022 1:00	7/3/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.6	49.900812	1.342858	-0.039546
7/4/2022 2:00	7/3/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.76	47.283841	0.619102	-0.097761
7/4/2022 3:00	7/3/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.74	44.546906	0.091746	-0.279841
7/4/2022 4:00	7/4/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.76	41.068368	-0.007115	-0.683684
7/4/2022 5:00	7/4/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.4	36.656988	0	-0.747179
7/4/2022 6:00	7/4/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.75	35.964158	0	-0.785842
7/4/2022 7:00	7/4/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.59	34.808865	0	-0.782802
7/4/2022 8:00	7/4/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.91	34.206628	0	-0.705039
7/4/2022 9:00	7/4/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.28	32.568763	0	-0.711237
7/4/2022 10:00	7/4/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.48	28.871121	0	-0.606379
7/4/2022 11:00	7/4/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.64	28.067355	0	-0.567645
7/4/2022 12:00	7/4/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.73	32.144648	0	-0.583686
7/4/2022 13:00	7/4/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.06	35.63874	0	-0.41876
7/4/2022 14:00	7/4/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.44	45.555483	1.270863	-0.151213
7/4/2022 15:00	7/4/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.26	67.810185	4.261644	0.292708
7/4/2022 16:00	7/4/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.78	63.122104	3.078908	0.266529
7/4/2022 17:00	7/4/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.53	66.913033	0.918542	0.461157
7/4/2022 18:00	7/4/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.73	63.602682	-2.026385	-0.1051
7/4/2022 19:00	7/4/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.63	67.519414	-3.441304	-0.672615
7/4/2022 20:00	7/4/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.59	70.349281	-1.199622	-1.042764
7/4/2022 21:00	7/4/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.12	75.802996	-3.837193	-1.483977
7/4/2022 22:00	7/4/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.02	73.136774	-4.447886	-1.436174
7/4/2022 23:00	7/4/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.88	61.24204	-6.667996	-0.967464
7/5/2022 0:00	7/4/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.09	63.017163	-2.674124	-0.397047
7/5/2022 1:00	7/4/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.68	62.220475	1.862122	-0.320814
7/5/2022 2:00	7/4/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.4	45.835136	-4.422419	-0.141611
7/5/2022 3:00	7/4/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.24	43.611796	-3.44896	-0.177577
7/5/2022 4:00	7/5/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.78	37.598863	-5.590787	-0.586183
7/5/2022 5:00	7/5/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.96	34.773053	-4.617647	-0.565133
7/5/2022 6:00	7/5/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.97	28.776192	-5.460465	-0.728343
7/5/2022 7:00	7/5/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.45	25.589658	-5.074196	-0.786979
7/5/2022 8:00	7/5/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.22	26.143178	-6.154586	-0.920569
7/5/2022 9:00	7/5/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.24	36.401851	0	-0.837316
7/5/2022 10:00	7/5/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.27	40.012198	-0.430999	-0.825136
7/5/2022 11:00	7/5/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.59	40.802893	-0.423615	-0.365159
7/5/2022 12:00	7/5/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.32	52.729512	0.331774	0.080237
7/5/2022 13:00	7/5/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.66	53.5593	-3.356608	0.255908
7/5/2022 14:00	7/5/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.81	88.88133	-0.481783	0.556446
7/5/2022 15:00	7/5/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.93	86.726934	2.93539	-0.14179
7/5/2022 16:00	7/5/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.07	119.506262	25.245849	0.186247
7/5/2022 17:00	7/5/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.54	84.981308	-25.907614	0.350589
7/5/2022 18:00	7/5/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100	75.639159	-25.426539	1.069864
7/5/2022 19:00	7/5/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.34	97.189735	-5.848633	1.699201
7/5/2022 20:00	7/5/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.59	145.620408	11.498082	2.528159
7/5/2022 21:00	7/5/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	157.67	178.204252	18.647292	1.88946
7/5/2022 22:00	7/5/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.44	132.832111	12.681294	0.71165
7/5/2022 23:00	7/5/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101	110.936362	8.890552	1.046643
7/6/2022 0:00	7/5/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.99	100.51039	7.294153	1.223738
7/6/2022 1:00	7/5/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.23	92.370712	7.916818	0.22556
7/6/2022 2:00	7/5/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.8	84.214554	5.663757	-0.24837
7/6/2022 3:00	7/5/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.62	72.849521	3.47203	-0.244176
7/6/2022 4:00	7/6/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.79	63.250779	0.836436	-0.373991
7/6/2022 5:00	7/6/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.94	53.44598	-3.076692	-0.416494
7/6/2022 6:00	7/6/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.41	50.745435	-2.647929	-0.019969
7/6/2022 7:00	7/6/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.89	40.12414	-2.55369	-0.210504
7/6/2022 8:00	7/6/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.11	39.659071	-2.25532	-0.198109
7/6/2022 9:00	7/6/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.3	57.685509	-0.597663	-0.020995
7/6/2022 10:00	7/6/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.5	64.833821	2.231951	0.106037
7/6/2022 11:00	7/6/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.42	65.448228	0	0.030728
7/6/2022 12:00	7/6/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.2	81.852068	1.736002	-0.078934
7/6/2022 13:00	7/6/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.44	88.300495	5.916788	-1.051294
7/6/2022 14:00	7/6/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.1	103.525453	7.213378	-2.787091
7/6/2022 15:00	7/6/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.32	106.831389	12.077332	-3.563443
7/6/2022 16:00	7/6/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.55	113.233727	14.263651	-3.577424
7/6/2022 17:00	7/6/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116	134.114753	22.108242	-3.99099
7/6/2022 18:00	7/6/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.2	116.011687	9.133443	-4.316755
7/6/2022 19:00	7/6/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.45	127.391629	8.328791	-5.384662
7/6/2022 20:00	7/6/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	168.43	168.807739	8.768385	-8.391479
7/6/2022 21:00	7/6/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	144.56	123.228837	-12.503605	-8.825059
7/6/2022 22:00	7/6/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.35	100.602334	-9.622623	-6.12421
7/6/2022 23:00	7/6/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.16	96.34447	-0.15285	-4.65768
7/7/2022 0:00	7/6/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	137.41	141.585585	9.70512	-5.527869
7/7/2022 1:00	7/6/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.15	114.008348	7.08406	-4.229045
7/7/2022 2:00	7/6/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.94	79.951518	3.380622	-2.372438
7/7/2022 3:00	7/6/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.19	68.104126	1.698018	-1.783892
7/7/2022 4:00	7/7/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.4	65.827435	-3.690028	-1.885871
7/7/2022 5:00	7/7/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.3	51.462335	-3.411575	-1.42609
7/7/2022 6:00	7/7/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.7	40.357142	-2.272825	-1.068367
7/7/2022 7:00	7/7/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.54	42.959192	-0.656375	-0.9236
7/7/2022 8:00	7/7/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.4	46.361163	-0.066281	-0.973389
7/7/2022 9:00	7/7/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.08	55.336211	-0.380475	-1.358315

7/7/2022 10:00	7/7/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.23	52.406328	-3.274054	-1.545452
7/7/2022 11:00	7/7/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.69	54.388502	1.124123	-1.423121
7/7/2022 12:00	7/7/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.28	70.077928	0.216409	-1.41348
7/7/2022 13:00	7/7/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.99	116.367032	14.668905	-1.29354
7/7/2022 14:00	7/7/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.13	104.564571	9.281649	-0.849578
7/7/2022 15:00	7/7/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.59	113.212536	9.748236	-0.124034
7/7/2022 16:00	7/7/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.2	147.833041	18.618106	0.012435
7/7/2022 17:00	7/7/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	136.35	143.193685	7.508564	-0.662379
7/7/2022 18:00	7/7/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.88	110.668116	4.486938	-0.695489
7/7/2022 19:00	7/7/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.72	126.126055	5.393039	-0.989485
7/7/2022 20:00	7/7/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	145.25	151.22678	6.975347	-1.001067
7/7/2022 21:00	7/7/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	147.82	156.855231	9.52985	-0.490453
7/7/2022 22:00	7/7/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.04	117.344499	7.280635	0.020531
7/7/2022 23:00	7/7/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	185.31	197.40177	11.826806	0.26163
7/8/2022 0:00	7/7/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	177.38	184.795669	6.330244	1.090425
7/8/2022 1:00	7/7/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.54	118.332684	4.821976	0.972375
7/8/2022 2:00	7/7/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.82	97.096681	-0.230843	1.510858
7/8/2022 3:00	7/7/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.32	64.918658	-1.19384	0.794165
7/8/2022 4:00	7/8/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.3	57.241744	0.717091	0.222987
7/8/2022 5:00	7/8/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.69	60.22616	1.002929	0.529897
7/8/2022 6:00	7/8/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.35	47.682963	0.979001	0.355629
7/8/2022 7:00	7/8/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.69	39.150039	0.29117	0.173869
7/8/2022 8:00	7/8/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.21	42.155374	0.841201	0.102507
7/8/2022 9:00	7/8/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.1	50.35826	2.07698	0.179614
7/8/2022 10:00	7/8/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.99	63.546197	3.435384	0.116646
7/8/2022 11:00	7/8/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.92	66.386331	1.537036	-0.069037
7/8/2022 12:00	7/8/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.45	60.592594	0.123082	0.022845
7/8/2022 13:00	7/8/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.56	77.062485	-1.277569	-0.216613
7/8/2022 14:00	7/8/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.05	83.708199	2.805586	-0.147386
7/8/2022 15:00	7/8/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.99	93.032544	2.871495	-0.831451
7/8/2022 16:00	7/8/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.75	91.277898	-5.957776	-1.513492
7/8/2022 17:00	7/8/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.64	86.439736	-0.480455	-2.716476
7/8/2022 18:00	7/8/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.51	79.26065	-3.580941	-3.663409
7/8/2022 19:00	7/8/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.03	84.594144	-4.801219	-4.63547
7/8/2022 20:00	7/8/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.4	74.299526	-9.208128	-4.89318
7/8/2022 21:00	7/8/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.38	78.801415	-3.507131	-5.068121
7/8/2022 22:00	7/8/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.59	89.165447	-8.080249	-5.340138
7/8/2022 23:00	7/8/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.96	98.096315	-17.131709	-6.731144
7/9/2022 0:00	7/8/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.88	66.326837	-12.405194	-4.151302
7/9/2022 1:00	7/8/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.81	69.775017	-6.239575	-3.795409
7/9/2022 2:00	7/8/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.85	58.832822	-3.358812	-2.6592
7/9/2022 3:00	7/8/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.4	53.214371	-3.04668	-2.143116
7/9/2022 4:00	7/9/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.16	72.805429	-5.595391	-3.759181
7/9/2022 5:00	7/9/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.59	68.526745	-7.532488	-3.529934
7/9/2022 6:00	7/9/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.58	58.900431	-4.294731	-2.381504
7/9/2022 7:00	7/9/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.36	44.0949	-3.475779	-1.788488
7/9/2022 8:00	7/9/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.09	41.995363	-4.45671	-1.642093
7/9/2022 9:00	7/9/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.52	41.803947	-3.993543	-1.720011
7/9/2022 10:00	7/9/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.16	42.304059	-4.092692	-1.759916
7/9/2022 11:00	7/9/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.72	46.099552	-3.720694	-1.900588
7/9/2022 12:00	7/9/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.77	56.733921	-3.593912	-2.446334
7/9/2022 13:00	7/9/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.67	76.885268	-2.758032	-3.0217
7/9/2022 14:00	7/9/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.85	62.422848	-0.11521	-2.316109
7/9/2022 15:00	7/9/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.23	72.980155	0	-2.244845
7/9/2022 16:00	7/9/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.42	80.772671	-0.016313	-1.633516
7/9/2022 17:00	7/9/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.44	79.465391	0	-0.970442
7/9/2022 18:00	7/9/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.01	80.256051	0	-0.757283
7/9/2022 19:00	7/9/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.77	85.439134	2.244426	-0.574458
7/9/2022 20:00	7/9/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.84	88.16977	1.898213	-0.565111
7/9/2022 21:00	7/9/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.48	100.905945	2.921173	-0.496062
7/9/2022 22:00	7/9/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.9	83.495957	0.887141	-0.294518
7/9/2022 23:00	7/9/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.62	77.797152	3.109249	0.066236
7/10/2022 0:00	7/9/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.57	106.742523	7.651869	0.517321
7/10/2022 1:00	7/9/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.74	80.3365	0.582949	0.009385
7/10/2022 2:00	7/9/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.55	62.80833	0.843004	-0.582174
7/10/2022 3:00	7/9/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.18	48.259793	-0.067593	-0.852614
7/10/2022 4:00	7/10/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43	42.087104	-0.069678	-0.839051
7/10/2022 5:00	7/10/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.56	38.888791	0	-0.671209
7/10/2022 6:00	7/10/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.74	38.173602	0	-0.563065
7/10/2022 7:00	7/10/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.89	36.297362	0	-0.594305
7/10/2022 8:00	7/10/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.51	34.936606	0	-0.576727
7/10/2022 9:00	7/10/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.57	35.023938	0	-0.546896
7/10/2022 10:00	7/10/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.25	34.67411	0	-0.577557
7/10/2022 11:00	7/10/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37	36.383088	0	-0.616912
7/10/2022 12:00	7/10/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.37	41.862575	0	-0.508258
7/10/2022 13:00	7/10/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.07	39.625075	0	-0.444925
7/10/2022 14:00	7/10/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.75	43.229244	0	-0.518257
7/10/2022 15:00	7/10/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.09	64.78797	0.20233	-0.49936
7/10/2022 16:00	7/10/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.12	62.095153	0	-0.022347
7/10/2022 17:00	7/10/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.75	71.126477	0.173258	0.20572
7/10/2022 18:00	7/10/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.52	70.161753	2.102921	0.537998
7/10/2022 19:00	7/10/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.95	86.790903	5.918703	0.919701
7/10/2022 20:00	7/10/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.22	137.62329	12.627649	1.771474
7/10/2022 21:00	7/10/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.19	115.188755	6.704656	1.295766
7/10/2022 22:00	7/10/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.14	134.283905	9.408919	1.736653
7/10/2022 23:00	7/10/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.77	100.336956	7.027538	1.539419
7/11/2022 0:00	7/10/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.65	73.553927	4.478605	1.421989
7/11/2022 1:00	7/10/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.38	74.027095	2.584462	1.065133
7/11/2022 2:00	7/10/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.3	91.984984	6.378085	1.306066
7/11/2022 3:00	7/10/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.24	47.577971	0	0.334638
7/11/2022 4:00	7/11/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.23	45.247505	0	0.016672
7/11/2022 5:00	7/11/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.02	39.898571	0	-0.119762
7/11/2022 6:00	7/11/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.85	36.793122	0	-0.060211
7/11/2022 7:00	7/11/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.14	34.914497	0	-0.22717
7/11/2022 8:00	7/11/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.4	35.168363	0	-0.22997
7/11/2022 9:00	7/11/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.77	37.511854	0	-0.258146
7/11/2022 10:00	7/11/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.24	40.100439	0.079501	-0.219896
7/11/2022 11:00	7/11/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.43	42.092962	0	-0.332038
7/11/2022 12:00	7/11/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.73	46.601062	0.07647	-0.202908
7/11/2022 13:00	7/11/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.85	53.204598	1.953281	0.402983
7/11/2022 14:00	7/11/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.42	59.813009	2.513245	0.878097
7/11/2022 15:00	7/11/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.23	64.947665	1.631994	1.087338
7/11/2022 16:00	7/11/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.04	85.335734	-0.182484	1.477384
7/11/2022 17:00	7/11/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.37	126.632027	-2.538823	0.802516
7/11/2022 18:00	7/11/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.28	113.50085	-4.639431	-0.137219
7/11/2022 19:00	7/11/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	137.65	144.17991	7.806839	-1.276929
7/11/2022 20:00	7/11/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	158.42	166.900871	10.27761	-1.800905

7/11/2022 21:00	7/11/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126.77	126.536029	2.44289	-2.675195
7/11/2022 22:00	7/11/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.71	131.965127	6.352793	-2.0985
7/11/2022 23:00	7/11/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.55	102.600783	8.11295	-1.058834
7/12/2022 0:00	7/11/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.06	103.855849	6.144439	-0.351924
7/12/2022 1:00	7/11/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.16	87.968777	3.732915	0.079195
7/12/2022 2:00	7/11/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.6	66.306178	2.236145	0.475033
7/12/2022 3:00	7/11/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.32	57.536421	1.933589	0.279499
7/12/2022 4:00	7/12/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.63	52.611575	0.087134	-0.102225
7/12/2022 5:00	7/12/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.78	41.630577	0.007872	-0.153962
7/12/2022 6:00	7/12/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.11	36.993408	0.001611	-0.113203
7/12/2022 7:00	7/12/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.78	35.568139	0	-0.211861
7/12/2022 8:00	7/12/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.84	35.567269	0	-0.272731
7/12/2022 9:00	7/12/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.93	38.66004	0	-0.27246
7/12/2022 10:00	7/12/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.86	46.692898	0	-0.162936
7/12/2022 11:00	7/12/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.82	52.633187	0	-0.18348
7/12/2022 12:00	7/12/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.74	57.124363	1.3279	0.05813
7/12/2022 13:00	7/12/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.93	95.44332	7.065795	0.446691
7/12/2022 14:00	7/12/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.03	121.419961	4.574508	0.81212
7/12/2022 15:00	7/12/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.22	107.424713	6.204175	-0.001128
7/12/2022 16:00	7/12/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.28	114.415784	4.965748	-1.830798
7/12/2022 17:00	7/12/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.89	135.516456	9.223799	-3.597343
7/12/2022 18:00	7/12/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.5	110.17806	1.351645	-4.671918
7/12/2022 19:00	7/12/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	134.9	112.252374	-15.657859	-6.991434
7/12/2022 20:00	7/12/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	150.87	118.653882	-24.312743	-7.904208
7/12/2022 21:00	7/12/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	134.02	121.550441	-6.123142	-6.348084
7/12/2022 22:00	7/12/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.87	100.649223	-0.882368	-3.342576
7/12/2022 23:00	7/12/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.62	98.772527	0.201932	-2.049404
7/13/2022 0:00	7/12/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.77	94.311054	1.44086	-0.902306
7/13/2022 1:00	7/12/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.04	88.959394	0	-1.08394
7/13/2022 2:00	7/12/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.51	71.894366	0.000828	-0.614795
7/13/2022 3:00	7/12/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.11	71.477456	0.008543	-0.644421
7/13/2022 4:00	7/13/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.95	81.339216	-1.212058	-0.397059
7/13/2022 5:00	7/13/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.04	59.666675	0	-0.368325
7/13/2022 6:00	7/13/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.5	52.140588	0	-0.360246
7/13/2022 7:00	7/13/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.26	47.655677	0	-0.601824
7/13/2022 8:00	7/13/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.63	44.933979	0	-0.691855
7/13/2022 9:00	7/13/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.02	54.516776	0	-0.507391
7/13/2022 10:00	7/13/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.05	62.516443	0	-0.531057
7/13/2022 11:00	7/13/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.57	86.076636	0	-1.488364
7/13/2022 12:00	7/13/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.73	82.087894	0	-1.639606
7/13/2022 13:00	7/13/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	171.88	184.396564	13.546406	-1.024842
7/13/2022 14:00	7/13/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.52	129.46005	8.359755	-1.420539
7/13/2022 15:00	7/13/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.95	79.084697	1.171266	-2.039903
7/13/2022 16:00	7/13/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.32	127.816546	12.042732	-3.545353
7/13/2022 17:00	7/13/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.26	111.457968	9.145731	-2.946096
7/13/2022 18:00	7/13/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.5	110.85133	5.769737	-3.421741
7/13/2022 19:00	7/13/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	137.76	134.231232	1.858432	-5.3847
7/13/2022 20:00	7/13/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	171.49	163.954369	-0.972187	-6.561777
7/13/2022 21:00	7/13/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	141.06	123.25603	-11.670841	-6.134796
7/13/2022 22:00	7/13/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.49	120.916354	-2.219314	-4.352666
7/13/2022 23:00	7/13/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.19	98.359128	-0.954326	-2.872379
7/14/2022 0:00	7/13/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.83	97.478931	0	-2.350235
7/14/2022 1:00	7/13/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.82	99.923847	0	-2.89282
7/14/2022 2:00	7/13/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.38	75.289904	0.010936	-2.096866
7/14/2022 3:00	7/13/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.87	71.353454	0	-1.520713
7/14/2022 4:00	7/14/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.99	58.642467	-0.031376	-1.313657
7/14/2022 5:00	7/14/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.82	49.635047	-0.006811	-1.179809
7/14/2022 6:00	7/14/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.31	43.266131	0	-1.045536
7/14/2022 7:00	7/14/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.9	40.805093	0	-1.09074
7/14/2022 8:00	7/14/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.46	41.332443	0	-1.129224
7/14/2022 9:00	7/14/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.7	46.667342	0	-1.035992
7/14/2022 10:00	7/14/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.6	47.703491	0	-0.894009
7/14/2022 11:00	7/14/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.45	61.913554	0	-1.535613
7/14/2022 12:00	7/14/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.41	62.73704	0	-1.67546
7/14/2022 13:00	7/14/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.24	74.696922	0	-1.542244
7/14/2022 14:00	7/14/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.7	101.237306	0.007791	-1.467986
7/14/2022 15:00	7/14/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.76	85.042397	0.000657	-1.717427
7/14/2022 16:00	7/14/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.18	85.716715	-2.540752	-1.918366
7/14/2022 17:00	7/14/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.17	93.329107	4.718268	-1.558327
7/14/2022 18:00	7/14/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.92	97.857126	-7.147366	-2.919675
7/14/2022 19:00	7/14/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.33	103.597817	-0.279048	-3.453136
7/14/2022 20:00	7/14/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.57	106.10929	-5.727005	-3.736205
7/14/2022 21:00	7/14/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.3	107.807776	-3.804622	-3.683436
7/14/2022 22:00	7/14/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.15	100.996053	-1.956791	-3.198822
7/14/2022 23:00	7/14/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.01	95.404143	-1.33595	-2.271573
7/15/2022 0:00	7/14/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.2	100.124338	-1.29333	-1.783999
7/15/2022 1:00	7/14/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.78	81.53868	0.063566	-1.304887
7/15/2022 2:00	7/14/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.08	65.414399	0.117326	-0.782928
7/15/2022 3:00	7/14/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.76	61.416553	0	-1.338447
7/15/2022 4:00	7/15/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.3	52.70717	0	-1.591997
7/15/2022 5:00	7/15/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.08	49.799828	0	-1.283506
7/15/2022 6:00	7/15/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.7	47.516307	0	-1.184526
7/15/2022 7:00	7/15/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.38	44.145147	0	-1.23402
7/15/2022 8:00	7/15/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.58	44.391269	0	-1.187064
7/15/2022 9:00	7/15/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.94	48.717825	0	-1.223842
7/15/2022 10:00	7/15/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.38	50.089107	0	-1.28756
7/15/2022 11:00	7/15/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.97	57.48128	0.779738	-1.267625
7/15/2022 12:00	7/15/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.77	52.368234	0.447777	-0.850376
7/15/2022 13:00	7/15/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.74	57.117545	0.002012	-0.621133
7/15/2022 14:00	7/15/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.83	76.916665	1.51494	-0.427442
7/15/2022 15:00	7/15/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.19	69.851654	0.00547	-1.338816
7/15/2022 16:00	7/15/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.86	79.229107	0.102488	-1.737548
7/15/2022 17:00	7/15/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.38	89.014546	3.722724	-2.083178
7/15/2022 18:00	7/15/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.73	87.585084	-0.107792	-3.040458
7/15/2022 19:00	7/15/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.22	95.224696	-1.708817	-4.28482
7/15/2022 20:00	7/15/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.55	92.814913	-1.089396	-4.642358
7/15/2022 21:00	7/15/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.11	88.418152	-1.837059	-4.856455
7/15/2022 22:00	7/15/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.63	78.204635	-0.965029	-3.461169
7/15/2022 23:00	7/15/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.25	85.460126	3.6804	-2.473607
7/16/2022 0:00	7/15/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.85	91.891311	6.330884	-2.288739
7/16/2022 1:00	7/15/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.54	86.778101	0.904506	-2.663072
7/16/2022 2:00	7/15/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.78	69.616361	0	-2.162806
7/16/2022 3:00	7/15/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.44	68.649791	0.310887	-2.104429
7/16/2022 4:00	7/16/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.04	51.482138	0	-1.559528
7/16/2022 5:00	7/16/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.05	51.040412	0	-1.004588
7/16/2022 6:00	7/16/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.7	48.00643	0	-0.690237
7/16/2022 7:00	7/16/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.34	45.618	0	-0.7245

7/16/2022 8:00	7/16/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.55	43.786736	0	-0.759097
7/16/2022 9:00	7/16/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.04	45.408051	0	-0.627782
7/16/2022 10:00	7/16/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.29	45.800055	0	-0.493278
7/16/2022 11:00	7/16/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.57	47.056636	0	-0.510031
7/16/2022 12:00	7/16/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.17	50.699299	0	-0.472368
7/16/2022 13:00	7/16/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.16	52.915036	0.110324	-0.351121
7/16/2022 14:00	7/16/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.4	80.853131	4.830005	-0.379374
7/16/2022 15:00	7/16/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.2	89.87947	3.216952	-0.533316
7/16/2022 16:00	7/16/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.91	77.516944	0.362224	-0.751113
7/16/2022 17:00	7/16/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.28	77.200604	0.606826	-0.685389
7/16/2022 18:00	7/16/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.51	82.503781	-0.613114	-0.389772
7/16/2022 19:00	7/16/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	120.87	121.537009	0.738029	-0.074353
7/16/2022 20:00	7/16/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.89	111.052506	7.568206	-0.4032
7/16/2022 21:00	7/16/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.48	86.518791	1.194279	-0.157988
7/16/2022 22:00	7/16/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.28	88.885142	4.401059	0.208249
7/16/2022 23:00	7/16/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.87	80.235381	2.008541	0.35684
7/17/2022 0:00	7/16/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.03	72.642184	0.345908	0.26461
7/17/2022 1:00	7/16/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.76	81.996591	1.05739	0.176701
7/17/2022 2:00	7/16/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.16	79.030715	0.623436	0.250612
7/17/2022 3:00	7/16/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.86	65.369787	0.438103	0.068351
7/17/2022 4:00	7/17/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.08	62.875413	1.225257	-0.429844
7/17/2022 5:00	7/17/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.68	60.570699	2.257958	-0.371426
7/17/2022 6:00	7/17/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.86	55.032602	1.270088	-0.099986
7/17/2022 7:00	7/17/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.23	46.266736	0.143818	-0.106249
7/17/2022 8:00	7/17/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.98	44.769853	0	-0.214314
7/17/2022 9:00	7/17/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.26	44.006641	0	-0.25086
7/17/2022 10:00	7/17/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.66	43.538628	0.005111	-0.123984
7/17/2022 11:00	7/17/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.03	42.77334	0	-0.252493
7/17/2022 12:00	7/17/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.81	43.29424	0	-0.51326
7/17/2022 13:00	7/17/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.47	47.52669	0.53136	-0.473836
7/17/2022 14:00	7/17/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55	55.550965	1.154407	-0.600942
7/17/2022 15:00	7/17/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.04	73.043193	2.011586	-1.006727
7/17/2022 16:00	7/17/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.9	95.330257	2.325189	-1.893265
7/17/2022 17:00	7/17/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.66	80.595594	1.486793	-2.548698
7/17/2022 18:00	7/17/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.07	79.721428	0.423939	-2.776677
7/17/2022 19:00	7/17/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.39	79.494864	0.194519	-3.088822
7/17/2022 20:00	7/17/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.83	102.876241	0.330661	-4.282754
7/17/2022 21:00	7/17/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.13	110.752561	0	-4.380773
7/17/2022 22:00	7/17/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.98	93.720281	0	-3.258885
7/17/2022 23:00	7/17/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.77	94.205977	0	-2.564856
7/18/2022 0:00	7/17/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98	95.678488	-0.286005	-2.039673
7/18/2022 1:00	7/17/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.44	100.220335	-0.058585	-2.159414
7/18/2022 2:00	7/17/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.71	75.257722	0	-1.453112
7/18/2022 3:00	7/17/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.16	70.03818	0	-1.118487
7/18/2022 4:00	7/18/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.4	66.889587	0	-1.51458
7/18/2022 5:00	7/18/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.69	60.353621	0	-1.340546
7/18/2022 6:00	7/18/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.48	51.411463	0	-1.063537
7/18/2022 7:00	7/18/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.21	48.240999	0	-0.966501
7/18/2022 8:00	7/18/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.12	50.042197	0	-1.07947
7/18/2022 9:00	7/18/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.62	66.254037	0	-1.368463
7/18/2022 10:00	7/18/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.01	73.517327	0	-1.48934
7/18/2022 11:00	7/18/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.33	75.183674	0	-1.149659
7/18/2022 12:00	7/18/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.89	61.971702	0	-0.919964
7/18/2022 13:00	7/18/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.28	73.285837	0.014536	-1.004533
7/18/2022 14:00	7/18/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.93	95.636065	0.07078	-1.365548
7/18/2022 15:00	7/18/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.55	109.91199	-0.346218	-2.290958
7/18/2022 16:00	7/18/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.19	112.088552	-15.128947	-2.967501
7/18/2022 17:00	7/18/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	192.64	140.109105	-47.257952	-5.276277
7/18/2022 18:00	7/18/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	172.69	169.521041	1.357225	-4.521184
7/18/2022 19:00	7/18/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	173.02	165.508991	-2.300958	-5.214217
7/18/2022 20:00	7/18/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	159.35	152.740104	-2.072238	-4.540991
7/18/2022 21:00	7/18/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	164.51	166.951978	4.760514	-2.316036
7/18/2022 22:00	7/18/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	154.76	151.743711	-2.354027	-0.658929
7/18/2022 23:00	7/18/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	120.96	114.154354	-6.635349	-0.165296
7/19/2022 0:00	7/18/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.8	118.012348	0.566219	-0.350538
7/19/2022 1:00	7/18/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.92	108.299496	0.313191	0.062139
7/19/2022 2:00	7/18/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.22	101.073058	1.435293	0.415265
7/19/2022 3:00	7/18/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.02	86.713345	-1.453026	0.142204
7/19/2022 4:00	7/19/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.15	75.507025	-0.601007	-0.037802
7/19/2022 5:00	7/19/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.99	53.368865	-0.125364	-0.496604
7/19/2022 6:00	7/19/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.72	49.367565	0	-0.348269
7/19/2022 7:00	7/19/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.89	45.474925	0	-0.417575
7/19/2022 8:00	7/19/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.21	43.698652	-0.001648	-0.5122
7/19/2022 9:00	7/19/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.85	48.189913	-0.089143	-0.568444
7/19/2022 10:00	7/19/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.78	61.037308	-0.040676	-0.697016
7/19/2022 11:00	7/19/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.81	63.480389	-0.234427	-1.092683
7/19/2022 12:00	7/19/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.2	81.742854	0	-1.460479
7/19/2022 13:00	7/19/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.98	93.047869	0.029955	-0.961253
7/19/2022 14:00	7/19/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.01	110.167596	0	-0.84157
7/19/2022 15:00	7/19/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.87	106.643208	5.79169	-1.021815
7/19/2022 16:00	7/19/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.16	126.131931	3.319095	-1.351331
7/19/2022 17:00	7/19/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	150.78	151.331008	2.635499	-2.086991
7/19/2022 18:00	7/19/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.38	127.923297	-0.103023	-2.352014
7/19/2022 19:00	7/19/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	142.53	137.364034	-1.855537	-3.312929
7/19/2022 20:00	7/19/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	177.94	163.087646	-9.320896	-5.530625
7/19/2022 21:00	7/19/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	211.78	193.21488	-9.805118	-8.759169
7/19/2022 22:00	7/19/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	157.54	138.95459	-11.4939	-7.09151
7/19/2022 23:00	7/19/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	134.25	122.025465	-7.155459	-5.06991
7/20/2022 0:00	7/19/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.97	101.681338	-0.5275	-2.761995
7/20/2022 1:00	7/19/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.66	107.124075	0.013035	-2.549793
7/20/2022 2:00	7/19/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.73	100.589634	-0.07436	-2.067673
7/20/2022 3:00	7/19/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.98	94.048399	0.006255	-1.939522
7/20/2022 4:00	7/20/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.98	70.589768	-0.255151	-2.132581
7/20/2022 5:00	7/20/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.3	58.662701	-0.517316	-2.115816
7/20/2022 6:00	7/20/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.54	50.755815	0.044224	-1.825908
7/20/2022 7:00	7/20/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.82	47.924762	-0.086615	-1.80529
7/20/2022 8:00	7/20/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.47	47.315465	-0.373274	-1.785428
7/20/2022 9:00	7/20/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.04	49.9327	-0.451033	-1.651267
7/20/2022 10:00	7/20/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.58	60.42664	-0.23326	-1.920933
7/20/2022 11:00	7/20/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.96	72.214423	-0.159475	-2.586103
7/20/2022 12:00	7/20/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.05	76.626008	-0.069481	-2.354511
7/20/2022 13:00	7/20/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.47	88.709995	0	-2.755839
7/20/2022 14:00	7/20/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.19	89.153291	-0.578292	-3.455083
7/20/2022 15:00	7/20/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.62	94.476502	-7.456493	-4.691172
7/20/2022 16:00	7/20/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.42	110.807392	-5.589554	-6.021387
7/20/2022 17:00	7/20/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	138.84	120.45111	-11.322612	-7.061279
7/20/2022 18:00	7/20/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	151.05	123.157035	-19.493183	-8.395616

7/20/2022 19:00	7/20/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	152.31	119.094225	-24.150966	-9.06731
7/20/2022 20:00	7/20/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	156.66	121.54561	-25.311901	-9.802489
7/20/2022 21:00	7/20/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	203.61	153.219409	-37.037619	-13.354638
7/20/2022 22:00	7/20/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	220.93	160.547016	-45.631592	-14.747226
7/20/2022 23:00	7/20/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	206.71	170.668843	-23.778398	-12.266925
7/21/2022 0:00	7/20/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.9	123.437956	-1.822218	-6.638159
7/21/2022 1:00	7/20/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	158.83	150.370505	-0.721644	-7.739518
7/21/2022 2:00	7/20/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.97	105.708914	-0.005647	-4.251272
7/21/2022 3:00	7/20/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.99	107.777607	0.032607	-5.244167
7/21/2022 4:00	7/21/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.86	89.664772	5.186741	-4.381969
7/21/2022 5:00	7/21/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.77	70.253522	6.947886	-3.467698
7/21/2022 6:00	7/21/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.73	66.690209	7.991301	-3.034426
7/21/2022 7:00	7/21/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.3	62.084455	6.596447	-2.815325
7/21/2022 8:00	7/21/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.11	64.126471	8.78694	-2.767969
7/21/2022 9:00	7/21/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.5	77.65164	7.662613	-3.514306
7/21/2022 10:00	7/21/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.8	83.350459	3.834554	-4.284095
7/21/2022 11:00	7/21/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.85	101.695123	2.688497	-5.845874
7/21/2022 12:00	7/21/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.47	86.58799	-0.810108	-5.071069
7/21/2022 13:00	7/21/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.8	100.994238	-1.94281	-5.861286
7/21/2022 14:00	7/21/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.27	104.543013	-13.255615	-6.474705
7/21/2022 15:00	7/21/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.61	111.003759	-8.288138	-6.319769
7/21/2022 16:00	7/21/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	145.52	111.796431	-25.261374	-8.463028
7/21/2022 17:00	7/21/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	148.58	128.421569	-11.511191	-8.648073
7/21/2022 18:00	7/21/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	159.48	133.137574	-16.446099	-9.892994
7/21/2022 19:00	7/21/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	181.08	137.795451	-31.706606	-11.573776
7/21/2022 20:00	7/21/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	161.76	142.08771	-9.032213	-10.640077
7/21/2022 21:00	7/21/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	165.64	147.473023	-6.377792	-11.790852
7/21/2022 22:00	7/21/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	167.68	146.018847	-10.593637	-11.065016
7/21/2022 23:00	7/21/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	137.82	127.878061	-2.324852	-7.616254
7/22/2022 0:00	7/21/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.36	113.29866	-0.235638	-5.823202
7/22/2022 1:00	7/21/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.46	101.745844	0	-5.712489
7/22/2022 2:00	7/21/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.1	100.167273	0.01044	-4.942333
7/22/2022 3:00	7/21/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.39	93.048841	0.027189	-5.370848
7/22/2022 4:00	7/22/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.95	72.54969	0.006672	-4.411149
7/22/2022 5:00	7/22/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.86	66.269585	0	-3.593749
7/22/2022 6:00	7/22/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.51	58.789339	0	-2.721494
7/22/2022 7:00	7/22/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.76	51.94801	1.589724	-2.402548
7/22/2022 8:00	7/22/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.09	50.358368	0.709462	-2.44526
7/22/2022 9:00	7/22/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.78	57.481229	2.371062	-2.671499
7/22/2022 10:00	7/22/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60	59.432637	1.917049	-2.487745
7/22/2022 11:00	7/22/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.68	66.052806	-0.216802	-3.413725
7/22/2022 12:00	7/22/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.16	76.039493	-0.112242	-4.010765
7/22/2022 13:00	7/22/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.6	89.102152	-0.141406	-4.358109
7/22/2022 14:00	7/22/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.59	89.663016	-3.968989	-4.953829
7/22/2022 15:00	7/22/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.59	101.025311	-16.376459	-6.18323
7/22/2022 16:00	7/22/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.71	112.861979	-13.383051	-6.46247
7/22/2022 17:00	7/22/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	146.05	120.837506	-18.00811	-7.204385
7/22/2022 18:00	7/22/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	170.57	124.869723	-37.261967	-8.437477
7/22/2022 19:00	7/22/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	208.79	171.375878	-27.600131	-9.808992
7/22/2022 20:00	7/22/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	181.66	154.204498	-18.925705	-8.532297
7/22/2022 21:00	7/22/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	191.13	153.597808	-28.219587	-9.308438
7/22/2022 22:00	7/22/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	183.61	147.664663	-28.467114	-7.476556
7/22/2022 23:00	7/22/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	141.13	126.603072	-9.255838	-5.27359
7/23/2022 0:00	7/22/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	133.77	126.499045	-1.929623	-5.340498
7/23/2022 1:00	7/22/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.75	119.848722	-1.311043	-4.586068
7/23/2022 2:00	7/22/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.4	88.787926	-0.093333	-3.516241
7/23/2022 3:00	7/22/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.82	72.192372	0	-3.630128
7/23/2022 4:00	7/23/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.72	73.619076	0	-4.098425
7/23/2022 5:00	7/23/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.75	57.359999	0	-3.390001
7/23/2022 6:00	7/23/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.4	53.17058	0	-3.233586
7/23/2022 7:00	7/23/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.97	50.955849	0	-3.013318
7/23/2022 8:00	7/23/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.32	49.476824	0.146756	-2.986599
7/23/2022 9:00	7/23/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.89	49.944781	2.881352	-2.829905
7/23/2022 10:00	7/23/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.57	46.107309	0.995254	-2.457112
7/23/2022 11:00	7/23/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.34	40.419714	-7.161954	-2.759166
7/23/2022 12:00	7/23/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.89	56.576615	0	-3.312552
7/23/2022 13:00	7/23/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.88	66.777725	-1.633125	-4.46915
7/23/2022 14:00	7/23/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.46	69.403609	0	-5.055558
7/23/2022 15:00	7/23/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.15	57.517927	-12.444932	-6.186309
7/23/2022 16:00	7/23/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.68	70.120001	-13.999597	-7.560402
7/23/2022 17:00	7/23/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.42	65.588114	-23.956426	-8.876294
7/23/2022 18:00	7/23/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.97	66.117592	-38.850942	-9.998133
7/23/2022 19:00	7/23/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.97	70.35354	-46.98973	-10.628397
7/23/2022 20:00	7/23/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	182.85	76.333031	-92.284952	-14.232018
7/23/2022 21:00	7/23/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	185.3	79.126443	-92.305894	-13.865163
7/23/2022 22:00	7/23/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	192.39	98.580376	-80.236299	-13.573325
7/23/2022 23:00	7/23/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.56	80.855898	-7.66744	-6.031662
7/24/2022 0:00	7/23/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.51	80.412417	-3.338292	-5.761791
7/24/2022 1:00	7/23/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.23	68.764141	-4.029242	-5.434951
7/24/2022 2:00	7/23/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.01	69.103367	-0.694439	-5.209694
7/24/2022 3:00	7/23/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.39	57.685405	-5.738199	-4.961396
7/24/2022 4:00	7/24/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.36	50.592789	-4.813396	-3.957149
7/24/2022 5:00	7/24/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.63	52.187254	-6.106714	-3.338532
7/24/2022 6:00	7/24/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.66	49.678114	-4.251749	-2.732637
7/24/2022 7:00	7/24/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.53	46.483437	-3.59876	-2.446136
7/24/2022 8:00	7/24/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.54	43.791512	-3.298819	-2.453836
7/24/2022 9:00	7/24/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.21	40.145914	-1.871005	-2.196415
7/24/2022 10:00	7/24/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.05	35.980148	-0.367117	-1.706069
7/24/2022 11:00	7/24/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.85	40.221989	-3.561961	-2.070216
7/24/2022 12:00	7/24/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.21	50.885609	0	-2.327724
7/24/2022 13:00	7/24/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.45	52.618666	0	-2.828001
7/24/2022 14:00	7/24/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.11	71.860573	-3.830384	-4.419876
7/24/2022 15:00	7/24/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.74	92.420057	-11.943762	-5.379515
7/24/2022 16:00	7/24/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.69	83.237758	-10.688709	-4.759366
7/24/2022 17:00	7/24/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.94	96.160655	-15.136003	-6.645008
7/24/2022 18:00	7/24/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	147.67	89.942108	-48.808077	-8.920648
7/24/2022 19:00	7/24/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.58	96.136445	-17.702149	-7.738906
7/24/2022 20:00	7/24/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	235.18	170.036504	-48.127318	-17.012845
7/24/2022 21:00	7/24/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	180.06	126.865848	-39.349565	-13.844587
7/24/2022 22:00	7/24/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	195.4	117.389085	-62.62391	-15.389505
7/24/2022 23:00	7/24/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	138.16	109.26173	-18.910704	-9.985066
7/25/2022 0:00	7/24/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.65	118.817533	-4.282011	-9.550457
7/25/2022 1:00	7/24/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.97	112.119185	-3.666877	-9.180604
7/25/2022 2:00	7/24/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.1	73.593922	-25.957821	-7.545757
7/25/2022 3:00	7/24/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.99	81.163201	-9.69901	-7.123622
7/25/2022 4:00	7/25/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.08	94.209488	-12.243962	-8.624884
7/25/2022 5:00	7/25/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.69	73.205652	-4.867539	-5.617642

7/25/2022 6:00	7/25/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.85	63.453399	-8.649353	-4.750582
7/25/2022 7:00	7/25/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.55	60.341812	-4.435132	-3.772222
7/25/2022 8:00	7/25/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.71	67.437778	-7.209661	-4.064227
7/25/2022 9:00	7/25/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.88	104.338885	1.023363	-5.561144
7/25/2022 10:00	7/25/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.51	112.072691	3.23179	-5.672432
7/25/2022 11:00	7/25/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.4	84.983042	-7.907753	-5.513372
7/25/2022 12:00	7/25/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.96	84.803465	-4.082323	-5.075879
7/25/2022 13:00	7/25/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.02	98.907053	-3.90752	-5.203761
7/25/2022 14:00	7/25/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.19	98.413774	-1.784777	-4.987282
7/25/2022 15:00	7/25/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	149.74	142.319917	-0.218843	-7.200406
7/25/2022 16:00	7/25/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.17	122.900331	-2.652996	-6.616673
7/25/2022 17:00	7/25/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.73	117.031476	-6.289751	-6.412106
7/25/2022 18:00	7/25/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	146.51	134.994601	-3.912857	-7.606708
7/25/2022 19:00	7/25/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	137.07	119.493959	-10.43628	-7.143094
7/25/2022 20:00	7/25/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	153.68	118.41857	-27.458965	-7.804131
7/25/2022 21:00	7/25/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.58	110.193147	-14.152579	-6.232608
7/25/2022 22:00	7/25/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.63	120.690324	-3.095484	-5.840026
7/25/2022 23:00	7/25/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.69	103.431858	-1.989831	-4.269978
7/26/2022 0:00	7/25/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.18	102.26082	0.270322	-3.192001
7/26/2022 1:00	7/25/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.98	98.857359	-1.912915	-3.21306
7/26/2022 2:00	7/25/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.47	83.892477	-0.075827	-2.499196
7/26/2022 3:00	7/25/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.79	78.128615	0	-2.661385
7/26/2022 4:00	7/26/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.11	68.623745	0	-2.488755
7/26/2022 5:00	7/26/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.96	65.947505	0	-2.009161
7/26/2022 6:00	7/26/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.98	55.453269	0	-1.530898
7/26/2022 7:00	7/26/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.36	54.990852	0	-1.364148
7/26/2022 8:00	7/26/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.39	55.043268	0	-1.344233
7/26/2022 9:00	7/26/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.71	59.465029	-0.014201	-1.233271
7/26/2022 10:00	7/26/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.99	73.039431	-0.035731	-0.909838
7/26/2022 11:00	7/26/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.09	67.128983	-0.013823	-0.949693
7/26/2022 12:00	7/26/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.79	78.771025	1.910461	-0.933603
7/26/2022 13:00	7/26/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.74	80.039509	0.804632	-0.50679
7/26/2022 14:00	7/26/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.69	76.364859	0.035773	-0.364247
7/26/2022 15:00	7/26/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.43	86.069632	0.717963	-0.074998
7/26/2022 16:00	7/26/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.8	85.571966	1.482081	0.288218
7/26/2022 17:00	7/26/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.39	86.408595	2.278472	0.73929
7/26/2022 18:00	7/26/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.44	91.089884	2.67907	0.974981
7/26/2022 19:00	7/26/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.94	89.485351	2.701008	0.848509
7/26/2022 20:00	7/26/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.94	107.047965	2.772468	1.33133
7/26/2022 21:00	7/26/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.37	107.838629	2.838073	1.627223
7/26/2022 22:00	7/26/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.54	111.366503	5.100179	1.72799
7/26/2022 23:00	7/26/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.4	95.530234	3.927795	1.198272
7/27/2022 0:00	7/26/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.19	87.368913	3.236001	0.947078
7/27/2022 1:00	7/26/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.73	99.850655	4.213543	0.904612
7/27/2022 2:00	7/26/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.5	85.107572	3.681347	0.926226
7/27/2022 3:00	7/26/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.68	72.601621	2.265957	0.658998
7/27/2022 4:00	7/27/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.84	65.458921	0.344926	0.273161
7/27/2022 5:00	7/27/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.85	59.581687	0.336643	0.398377
7/27/2022 6:00	7/27/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.26	56.770413	0.028153	0.483093
7/27/2022 7:00	7/27/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.83	54.236955	0	0.406122
7/27/2022 8:00	7/27/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.15	55.633801	0.176285	0.308349
7/27/2022 9:00	7/27/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.52	67.059776	1.129152	0.408958
7/27/2022 10:00	7/27/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.83	71.421398	1.133818	0.46258
7/27/2022 11:00	7/27/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.03	79.208469	2.084153	0.094315
7/27/2022 12:00	7/27/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.21	80.009057	1.046864	-0.248641
7/27/2022 13:00	7/27/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.54	75.882608	0.383862	-0.040421
7/27/2022 14:00	7/27/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.15	91.165057	0.17677	-0.159213
7/27/2022 15:00	7/27/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.23	97.649325	0.415612	-0.99712
7/27/2022 16:00	7/27/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.93	91.401446	-1.055052	-1.476002
7/27/2022 17:00	7/27/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.27	99.254005	-4.861581	-2.151914
7/27/2022 18:00	7/27/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	158.62	152.859754	-2.216836	-3.54591
7/27/2022 19:00	7/27/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	156.1	143.59824	-8.164607	-4.339654
7/27/2022 20:00	7/27/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	141.67	135.068805	-2.183935	-4.41976
7/27/2022 21:00	7/27/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	159.1	151.395008	-2.532632	-5.169027
7/27/2022 22:00	7/27/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	140.93	138.574436	1.753595	-4.106658
7/27/2022 23:00	7/27/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	159.41	162.128153	5.377041	-2.662221
7/28/2022 0:00	7/27/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.94	136.106199	1.789237	-1.623872
7/28/2022 1:00	7/27/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.7	115.48228	1.001898	-1.214617
7/28/2022 2:00	7/27/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.65	94.743569	0.844431	-0.748362
7/28/2022 3:00	7/27/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.81	87.404096	0.015929	-1.422666
7/28/2022 4:00	7/28/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.83	84.240265	0	-1.588069
7/28/2022 5:00	7/28/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.24	72.764046	0	-1.470954
7/28/2022 6:00	7/28/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.08	66.71218	0	-1.366154
7/28/2022 7:00	7/28/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.74	63.481093	0	-1.261408
7/28/2022 8:00	7/28/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.42	57.969086	0	-1.45508
7/28/2022 9:00	7/28/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.1	68.27138	0.005045	-1.830332
7/28/2022 10:00	7/28/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.43	77.362746	-0.831994	-2.23276
7/28/2022 11:00	7/28/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.45	73.103726	0	-2.350441
7/28/2022 12:00	7/28/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.62	96.746803	0	-2.871531
7/28/2022 13:00	7/28/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.57	97.835617	0	-2.730216
7/28/2022 14:00	7/28/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.88	106.048058	0.0583	-3.893576
7/28/2022 15:00	7/28/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.21	120.330064	-2.422518	-5.454918
7/28/2022 16:00	7/28/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126.2	110.731315	-9.13606	-6.335124
7/28/2022 17:00	7/28/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	136.76	120.915429	-7.9275	-7.912904
7/28/2022 18:00	7/28/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.54	106.565924	-13.443661	-7.528749
7/28/2022 19:00	7/28/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	193.79	143.569789	-37.912305	-12.310405
7/28/2022 20:00	7/28/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	286.34	208.53452	-58.123605	-19.676876
7/28/2022 21:00	7/28/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	195.76	148.081062	-35.322413	-12.359025
7/28/2022 22:00	7/28/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	150.94	135.289581	-6.566148	-9.079271
7/28/2022 23:00	7/28/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.64	115.50023	-6.467904	-6.676032
7/29/2022 0:00	7/28/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126.72	116.639463	-4.694056	-5.390648
7/29/2022 1:00	7/28/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.75	93.288683	-3.887779	-3.576038
7/29/2022 2:00	7/28/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.95	92.22739	-0.042107	-2.679669
7/29/2022 3:00	7/28/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.18	76.120788	-2.213405	-2.842474
7/29/2022 4:00	7/29/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.91	61.405967	-3.934716	-2.568484
7/29/2022 5:00	7/29/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.3	66.142882	-4.580656	-2.577296
7/29/2022 6:00	7/29/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.4	58.839183	-2.366395	-2.194422
7/29/2022 7:00	7/29/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.52	54.013955	-0.594328	-1.911717
7/29/2022 8:00	7/29/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.39	54.033296	-0.493882	-1.860322
7/29/2022 9:00	7/29/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.46	68.525836	-1.559025	-2.375139
7/29/2022 10:00	7/29/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.68	66.26441	-2.998695	-2.419394
7/29/2022 11:00	7/29/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.81	78.040364	-1.854211	-2.918759
7/29/2022 12:00	7/29/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.15	87.126703	-0.099837	-2.922627
7/29/2022 13:00	7/29/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.69	84.093016	-0.008123	-2.584694
7/29/2022 14:00	7/29/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.61	84.197218	0.059226	-2.475341
7/29/2022 15:00	7/29/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.04	105.340953	-3.737588	-2.963959
7/29/2022 16:00	7/29/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126.28	109.466062	-12.49421	-4.316395

7/29/2022 17:00	7/29/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.13	95.836935	-3.637254	-3.654145
7/29/2022 18:00	7/29/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.67	102.30506	-0.721914	-3.644692
7/29/2022 19:00	7/29/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.2	114.901752	-2.637918	-4.661997
7/29/2022 20:00	7/29/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.69	111.718791	0.455412	-4.426621
7/29/2022 21:00	7/29/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.87	112.977562	1.072697	-3.964302
7/29/2022 22:00	7/29/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.92	107.310193	2.351279	-2.961086
7/29/2022 23:00	7/29/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.3	121.437671	5.311503	-2.168832
7/30/2022 0:00	7/29/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	175.7	184.877285	11.896114	-2.714663
7/30/2022 1:00	7/29/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.97	94.869344	0.706025	-1.805847
7/30/2022 2:00	7/29/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.75	67.083329	0.806258	-1.472096
7/30/2022 3:00	7/29/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.75	63.110642	0.044604	-1.684795
7/30/2022 4:00	7/30/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.23	78.199789	1.012661	-2.037873
7/30/2022 5:00	7/30/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.43	61.33129	0.661557	-1.757767
7/30/2022 6:00	7/30/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.29	57.826206	0.044311	-1.504772
7/30/2022 7:00	7/30/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.28	53.011968	0	-1.270532
7/30/2022 8:00	7/30/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.03	51.835251	0.048403	-1.245652
7/30/2022 9:00	7/30/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.68	51.360536	-0.011759	-1.311038
7/30/2022 10:00	7/30/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.67	52.355152	-0.037289	-1.279226
7/30/2022 11:00	7/30/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.46	52.001301	0.007028	-1.463227
7/30/2022 12:00	7/30/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.43	58.501619	0	-1.931715
7/30/2022 13:00	7/30/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.24	74.605761	0	-2.638406
7/30/2022 14:00	7/30/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.12	76.632482	0	-2.487518
7/30/2022 15:00	7/30/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.07	83.499346	0.051467	-2.621288
7/30/2022 16:00	7/30/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.18	97.689346	0.068817	-2.554471
7/30/2022 17:00	7/30/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.27	101.344485	0.020358	-1.940873
7/30/2022 18:00	7/30/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	140.75	135.87237	-2.379045	-2.493585
7/30/2022 19:00	7/30/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.16	129.406557	0.80597	-2.555247
7/30/2022 20:00	7/30/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	145.29	133.387047	-8.202377	-3.70391
7/30/2022 21:00	7/30/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	153.83	137.124147	-12.762561	-3.946626
7/30/2022 22:00	7/30/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	149.65	146.053513	0.019595	-3.611082
7/30/2022 23:00	7/30/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	120.51	118.682248	0.448625	-2.27721
7/31/2022 0:00	7/30/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.65	99.650753	4.371278	-1.369693
7/31/2022 1:00	7/30/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.55	122.039596	7.23927	-1.747174
7/31/2022 2:00	7/30/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.19	86.4777	0.059488	-1.768455
7/31/2022 3:00	7/30/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.91	69.014359	-0.061124	-1.834517
7/31/2022 4:00	7/31/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.6	64.224555	-0.311797	-2.063648
7/31/2022 5:00	7/31/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.61	55.252594	0.101814	-1.460887
7/31/2022 6:00	7/31/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.9	58.767877	-0.033491	-1.102799
7/31/2022 7:00	7/31/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.99	53.12466	-0.004346	-0.865161
7/31/2022 8:00	7/31/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.81	51.078561	0	-0.727272
7/31/2022 9:00	7/31/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.99	50.340348	0.006902	-0.657386
7/31/2022 10:00	7/31/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.16	48.689435	2.163303	-0.637201
7/31/2022 11:00	7/31/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.6	48.618615	0.76564	-0.751192
7/31/2022 12:00	7/31/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.65	52.897347	0.36608	-1.122067
7/31/2022 13:00	7/31/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.6	59.371392	-1.707671	-1.52177
7/31/2022 14:00	7/31/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.83	73.461544	-3.069368	-2.301588
7/31/2022 15:00	7/31/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.8	78.03593	-0.511465	-2.248438
7/31/2022 16:00	7/31/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.87	83.999605	-0.962193	-1.904868
7/31/2022 17:00	7/31/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.77	93.510116	-10.034785	-2.226765
7/31/2022 18:00	7/31/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.56	84.530386	-1.322283	-1.703998
7/31/2022 19:00	7/31/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.45	106.468135	-0.411005	-1.572527
7/31/2022 20:00	7/31/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.92	98.659845	0.023622	-1.280443
7/31/2022 21:00	7/31/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.96	93.440339	0.070543	-0.591038
7/31/2022 22:00	7/31/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.41	94.255759	0.005262	-0.154503
7/31/2022 23:00	7/31/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.13	94.581367	0	0.447201
8/1/2022 0:00	7/31/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.04	99.649052	0	0.609886
8/1/2022 1:00	7/31/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.25	85.138604	0	-0.11473
8/1/2022 2:00	7/31/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.89	65.316781	0	-0.573219
8/1/2022 3:00	7/31/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.87	60.441229	0.000671	-1.427775
8/1/2022 4:00	8/1/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.53	55.551146	0	-1.973854
8/1/2022 5:00	8/1/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.3	54.672272	0.000782	-1.62601
8/1/2022 6:00	8/1/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.77	50.520739	0	-1.249261
8/1/2022 7:00	8/1/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.7	48.554842	0	-1.140991
8/1/2022 8:00	8/1/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.52	49.361535	0	-1.160132
8/1/2022 9:00	8/1/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.46	54.149606	-0.054473	-1.260088
8/1/2022 10:00	8/1/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.83	73.47133	-0.696156	-1.661681
8/1/2022 11:00	8/1/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.26	67.73366	0	-1.530507
8/1/2022 12:00	8/1/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.55	68.018563	0	-1.52727
8/1/2022 13:00	8/1/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.84	75.374621	-0.09926	-1.36362
8/1/2022 14:00	8/1/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.21	84.966778	1.898074	-1.136297
8/1/2022 15:00	8/1/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.3	96.931026	1.696617	-1.065592
8/1/2022 16:00	8/1/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.73	111.298204	-4.398086	-1.030377
8/1/2022 17:00	8/1/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.9	107.368718	-4.201843	-1.333606
8/1/2022 18:00	8/1/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.06	117.563518	-4.956475	-1.544174
8/1/2022 19:00	8/1/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	141.86	132.496961	-6.794403	-2.563636
8/1/2022 20:00	8/1/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	157.67	146.424334	-7.576046	-3.671287
8/1/2022 21:00	8/1/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	147.26	137.442842	-6.229674	-3.588317
8/1/2022 22:00	8/1/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.52	128.410645	-4.676001	-2.434187
8/1/2022 23:00	8/1/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	150.31	143.272573	-5.743825	-1.290268
8/2/2022 0:00	8/1/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.6	126.109158	-5.191867	-0.298142
8/2/2022 1:00	8/1/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.71	118.445449	-3.373517	0.108966
8/2/2022 2:00	8/1/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.67	99.333038	3.248956	0.417416
8/2/2022 3:00	8/1/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.15	87.399406	5.337589	-0.089017
8/2/2022 4:00	8/2/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.69	68.882572	3.535177	-0.346771
8/2/2022 5:00	8/2/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.42	64.509095	3.612671	-0.523576
8/2/2022 6:00	8/2/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.28	51.056359	2.261653	-0.485294
8/2/2022 7:00	8/2/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.77	51.275208	3.036637	-0.529762
8/2/2022 8:00	8/2/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.11	51.381243	1.914506	-0.639096
8/2/2022 9:00	8/2/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.44	56.236851	1.832197	-1.036179
8/2/2022 10:00	8/2/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.23	72.021458	3.381875	-1.592083
8/2/2022 11:00	8/2/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.48	66.473281	-0.970321	-2.040564
8/2/2022 12:00	8/2/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.29	84.342713	-1.588888	-2.360066
8/2/2022 13:00	8/2/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.74	116.411781	-11.335595	-3.995957
8/2/2022 14:00	8/2/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.54	74.742165	-8.362545	-3.432789
8/2/2022 15:00	8/2/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	151.44	123.177487	-20.8716	-7.389247
8/2/2022 16:00	8/2/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.63	102.855106	-21.267137	-7.504424
8/2/2022 17:00	8/2/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	220.9	189.266407	-20.218659	-11.415767
8/2/2022 18:00	8/2/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.3	102.8837	-19.571302	-6.842498
8/2/2022 19:00	8/2/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	174.62	143.326666	-21.115151	-10.178184
8/2/2022 20:00	8/2/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	214.5	181.32992	-20.9629	-12.203847
8/2/2022 21:00	8/2/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	211.62	164.337722	-35.146564	-12.139881
8/2/2022 22:00	8/2/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	178.99	144.528423	-25.436379	-9.024365
8/2/2022 23:00	8/2/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	146.35	128.329128	-12.052509	-5.964196
8/3/2022 0:00	8/2/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.77	116.4721	-4.415323	-3.879243
8/3/2022 1:00	8/2/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.24	109.432199	-0.556909	-3.251726
8/3/2022 2:00	8/2/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.67	90.863163	-0.912875	-2.891462
8/3/2022 3:00	8/2/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.4	72.0628	-0.413977	-2.920723

8/3/2022 4:00	8/3/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.44	57.754007	-0.148736	-2.538923
8/3/2022 5:00	8/3/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.3	57.35544	0.077421	-2.025314
8/3/2022 6:00	8/3/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.54	48.983265	0.003549	-1.561117
8/3/2022 7:00	8/3/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.02	46.611539	0	-1.405127
8/3/2022 8:00	8/3/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.65	45.240251	0	-1.405582
8/3/2022 9:00	8/3/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.01	45.561473	0.000964	-1.446991
8/3/2022 10:00	8/3/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.63	48.102288	0.00652	-1.538399
8/3/2022 11:00	8/3/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.43	49.960834	0	-1.468332
8/3/2022 12:00	8/3/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.67	65.240015	-0.148404	-1.277414
8/3/2022 13:00	8/3/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.72	82.947171	0.037772	-0.807268
8/3/2022 14:00	8/3/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.06	81.937097	-0.26148	-0.858922
8/3/2022 15:00	8/3/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	147.89	131.890683	-14.195398	-1.800586
8/3/2022 16:00	8/3/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.06	106.824404	-5.379667	-1.858429
8/3/2022 17:00	8/3/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.03	108.545483	-13.576602	-2.909582
8/3/2022 18:00	8/3/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	161.68	140.439576	-17.463443	-3.777815
8/3/2022 19:00	8/3/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	164.97	139.656001	-19.957359	-5.352473
8/3/2022 20:00	8/3/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	177.13	147.286349	-22.151048	-7.690936
8/3/2022 21:00	8/3/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	184.19	138.706051	-35.267797	-10.218652
8/3/2022 22:00	8/3/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	166.36	125.709462	-30.842939	-9.809265
8/3/2022 23:00	8/3/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	146.38	115.796253	-22.116052	-8.464361
8/4/2022 0:00	8/3/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.67	112.075613	-9.499243	-7.091811
8/4/2022 1:00	8/3/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.19	96.6316	-7.174674	-5.37956
8/4/2022 2:00	8/3/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.93	86.938872	-4.430395	-3.558233
8/4/2022 3:00	8/3/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.32	84.634339	-4.482528	-3.204801
8/4/2022 4:00	8/4/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.4	77.46573	-2.346952	-2.583984
8/4/2022 5:00	8/4/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.7	64.577115	-2.036987	-2.086731
8/4/2022 6:00	8/4/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.17	50.403883	-0.289341	-1.476776
8/4/2022 7:00	8/4/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.97	49.906483	-0.610922	-1.454262
8/4/2022 8:00	8/4/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.41	51.205276	-0.874711	-1.32918
8/4/2022 9:00	8/4/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.86	59.321463	-2.261172	-1.278199
8/4/2022 10:00	8/4/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.01	73.332269	-4.675506	-0.998892
8/4/2022 11:00	8/4/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.36	62.151511	-0.401199	-0.808957
8/4/2022 12:00	8/4/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.44	83.060254	-0.519544	-0.856869
8/4/2022 13:00	8/4/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.4	82.027905	-0.508066	-1.864028
8/4/2022 14:00	8/4/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.2	93.430453	-1.70256	-3.070321
8/4/2022 15:00	8/4/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.16	107.929967	-3.572828	-4.656373
8/4/2022 16:00	8/4/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	157.14	120.644186	-29.402301	-7.097681
8/4/2022 17:00	8/4/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	213.27	129.579903	-72.445078	-11.249185
8/4/2022 18:00	8/4/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	169.75	124.571226	-35.316083	-9.857691
8/4/2022 19:00	8/4/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	208.71	170.228833	-24.318183	-14.163818
8/4/2022 20:00	8/4/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	186.72	139.000675	-34.626675	-13.093484
8/4/2022 21:00	8/4/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	181.04	136.7433	-32.169445	-12.128089
8/4/2022 22:00	8/4/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.12	102.538325	-13.504258	-7.076584
8/4/2022 23:00	8/4/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.1	113.02889	-7.913872	-6.159737
8/5/2022 0:00	8/4/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	154.54	139.23088	-9.016115	-6.295505
8/5/2022 1:00	8/4/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.52	97.679551	-3.832892	-4.011723
8/5/2022 2:00	8/4/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.43	86.388539	-3.222063	-2.818564
8/5/2022 3:00	8/4/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.44	91.813998	-5.14738	-3.475289
8/5/2022 4:00	8/5/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.39	77.057168	-3.731304	-2.605695
8/5/2022 5:00	8/5/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.56	58.377245	-0.258669	-1.923252
8/5/2022 6:00	8/5/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.38	54.080274	-0.079895	-1.216499
8/5/2022 7:00	8/5/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.45	51.514423	-0.016696	-0.918049
8/5/2022 8:00	8/5/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.45	51.493335	-0.037809	-0.920524
8/5/2022 9:00	8/5/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.99	59.875837	-0.11525	-0.999746
8/5/2022 10:00	8/5/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.19	71.651128	0.022567	-1.556439
8/5/2022 11:00	8/5/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.68	73.059232	-1.031262	-1.588673
8/5/2022 12:00	8/5/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.96	68.309411	-0.538432	-1.112156
8/5/2022 13:00	8/5/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.37	78.422002	-0.029112	-0.918886
8/5/2022 14:00	8/5/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.85	92.62722	-1.134638	-1.089808
8/5/2022 15:00	8/5/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	136.13	128.949354	-5.33878	-1.843532
8/5/2022 16:00	8/5/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	157.24	147.531536	-7.116419	-2.587879
8/5/2022 17:00	8/5/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	155.28	141.304006	-10.228166	-3.748661
8/5/2022 18:00	8/5/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	211.9	188.052908	-19.310519	-4.54074
8/5/2022 19:00	8/5/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	267.75	225.479998	-36.133481	-6.136521
8/5/2022 20:00	8/5/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	169.61	147.667297	-17.921214	-4.02149
8/5/2022 21:00	8/5/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	157.48	142.668248	-10.965737	-3.841848
8/5/2022 22:00	8/5/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.2	122.680679	-0.026854	-1.491635
8/5/2022 23:00	8/5/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	177.6	175.018878	-1.349084	-1.227871
8/6/2022 0:00	8/5/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.89	129.687061	-0.335229	0.13479
8/6/2022 1:00	8/5/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.81	123.102482	-0.492933	0.785415
8/6/2022 2:00	8/5/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.17	86.330724	-0.150786	0.307343
8/6/2022 3:00	8/5/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.37	81.458212	-0.103016	-0.807939
8/6/2022 4:00	8/6/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.08	70.705059	-0.174084	-1.20169
8/6/2022 5:00	8/6/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.75	70.503279	-0.067992	-1.17873
8/6/2022 6:00	8/6/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.19	67.482181	-0.072654	-0.635999
8/6/2022 7:00	8/6/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.91	61.68876	0.200351	-0.417424
8/6/2022 8:00	8/6/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.18	63.189476	0.251428	-0.241119
8/6/2022 9:00	8/6/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.08	61.879842	-0.003417	-0.195907
8/6/2022 10:00	8/6/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.43	56.24875	-0.002524	-0.182892
8/6/2022 11:00	8/6/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.77	59.221887	0	-0.551446
8/6/2022 12:00	8/6/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.01	85.803128	-0.900527	-1.308845
8/6/2022 13:00	8/6/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.91	90.58078	-0.436279	-0.890441
8/6/2022 14:00	8/6/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	140.04	138.0953	-1.2556	-0.693267
8/6/2022 15:00	8/6/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.98	107.832501	-0.308346	-0.84082
8/6/2022 16:00	8/6/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.02	123.848486	-0.679178	-0.494836
8/6/2022 17:00	8/6/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.93	124.446022	-2.689495	-0.79365
8/6/2022 18:00	8/6/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	184.38	164.968204	-17.832375	-1.581088
8/6/2022 19:00	8/6/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	269.49	257.737054	-8.170053	-3.586227
8/6/2022 20:00	8/6/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	203.9	183.546195	-16.184117	-4.169688
8/6/2022 21:00	8/6/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	258.23	230.89977	-21.73661	-5.58862
8/6/2022 22:00	8/6/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	158.08	150.553432	-4.54925	-2.978151
8/6/2022 23:00	8/6/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.56	127.330686	-1.722863	-1.502285
8/7/2022 0:00	8/6/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	149.94	147.479834	-0.674296	-1.78587
8/7/2022 1:00	8/6/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126.55	125.434072	-0.041811	-1.077451
8/7/2022 2:00	8/6/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.98	103.812768	0	-1.164733
8/7/2022 3:00	8/6/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.78	92.657295	-15.577029	-1.54401
8/7/2022 4:00	8/7/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.1	69.149186	-17.659735	-2.286912
8/7/2022 5:00	8/7/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.95	66.303504	-1.854864	-1.791632
8/7/2022 6:00	8/7/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.3	76.684285	0	-1.615715
8/7/2022 7:00	8/7/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.15	64.737382	0	-1.408451
8/7/2022 8:00	8/7/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.28	58.129428	0	-1.152238
8/7/2022 9:00	8/7/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.38	54.264322	0	-1.115678
8/7/2022 10:00	8/7/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.78	54.716616	0	-1.058384
8/7/2022 11:00	8/7/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.98	51.760842	0	-1.214992
8/7/2022 12:00	8/7/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.16	65.493549	0	-1.667285
8/7/2022 13:00	8/7/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.28	83.954011	0	-2.329322
8/7/2022 14:00	8/7/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.27	78.733406	0	-2.536594

8/7/2022 15:00	8/7/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.23	90.040663	0	-3.191004
8/7/2022 16:00	8/7/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.52	113.924754	-11.879205	-5.711041
8/7/2022 17:00	8/7/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.8	109.846848	-9.41406	-6.537425
8/7/2022 18:00	8/7/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126	106.983333	-12.211847	-6.802319
8/7/2022 19:00	8/7/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	169.04	130.552717	-28.867953	-9.615163
8/7/2022 20:00	8/7/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	244.94	185.263069	-43.48841	-16.185188
8/7/2022 21:00	8/7/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	262.71	156.427047	-86.363293	-19.91466
8/7/2022 22:00	8/7/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	218.89	138.256213	-64.179823	-16.450631
8/7/2022 23:00	8/7/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	199.29	165.739162	-21.1314	-12.415272
8/8/2022 0:00	8/7/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	146.77	137.296285	-2.319705	-7.157343
8/8/2022 1:00	8/7/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	146.35	139.684927	0.054323	-6.718563
8/8/2022 2:00	8/7/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	165.29	157.761661	-0.01058	-7.52026
8/8/2022 3:00	8/7/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.45	97.758721	0.005245	-4.699857
8/8/2022 4:00	8/8/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.36	82.949944	0.008222	-4.420778
8/8/2022 5:00	8/8/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.36	74.232208	0.644634	-3.767427
8/8/2022 6:00	8/8/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.99	69.833471	0.042953	-3.197815
8/8/2022 7:00	8/8/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.95	68.146716	0.040453	-2.840405
8/8/2022 8:00	8/8/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.47	70.742593	0.050787	-2.781527
8/8/2022 9:00	8/8/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.63	83.201317	1.594123	-3.024473
8/8/2022 10:00	8/8/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	120.78	116.575178	0.493894	-4.693716
8/8/2022 11:00	8/8/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.94	112.071076	0.02475	-3.894508
8/8/2022 12:00	8/8/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.81	90.66333	0.006079	-3.149416
8/8/2022 13:00	8/8/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	154.86	148.788358	0.047171	-6.11548
8/8/2022 14:00	8/8/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	151.94	132.407267	-11.201547	-8.328686
8/8/2022 15:00	8/8/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	225.26	160.428195	-50.242625	-14.587514
8/8/2022 16:00	8/8/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	228.73	151.551861	-60.594015	-16.587457
8/8/2022 17:00	8/8/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	615	345.074867	-222.601461	-47.327005
8/8/2022 18:00	8/8/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	440.4	200.929112	-206.29088	-33.178341
8/8/2022 19:00	8/8/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	408.95	142.799066	-231.443286	-34.704315
8/8/2022 20:00	8/8/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	448.85	172.694999	-239.711342	-36.445326
8/8/2022 21:00	8/8/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	560.22	195.858886	-312.172489	-52.188626
8/8/2022 22:00	8/8/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	524.33	233.742891	-243.435564	-47.152379
8/8/2022 23:00	8/8/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	294.62	147.490514	-121.851945	-25.275042
8/9/2022 0:00	8/8/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	144.59	101.926727	-32.821319	-9.841121
8/9/2022 1:00	8/8/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.75	85.499382	-13.067131	-6.182654
8/9/2022 2:00	8/8/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.62	93.344767	-3.342695	-4.930038
8/9/2022 3:00	8/8/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	138.65	131.475888	-1.299689	-5.873589
8/9/2022 4:00	8/9/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.28	94.344707	-17.650169	-6.285124
8/9/2022 5:00	8/9/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.61	91.161115	-16.322743	-6.128642
8/9/2022 6:00	8/9/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.21	68.691919	-0.266905	-3.25451
8/9/2022 7:00	8/9/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.96	63.103725	0.020113	-2.876388
8/9/2022 8:00	8/9/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.54	69.365293	-0.210631	-2.968243
8/9/2022 9:00	8/9/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.1	83.433516	-1.956218	-3.706933
8/9/2022 10:00	8/9/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.02	87.096324	-6.980883	-3.942794
8/9/2022 11:00	8/9/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.32	91.309469	-5.552924	-4.459274
8/9/2022 12:00	8/9/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.8	101.47908	-3.11108	-5.214007
8/9/2022 13:00	8/9/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	152.51	119.6036	-24.231715	-8.674685
8/9/2022 14:00	8/9/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.87	99.46788	-20.874181	-8.531272
8/9/2022 15:00	8/9/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	203.02	107.123608	-81.370129	-14.529596
8/9/2022 16:00	8/9/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	208.15	96.337101	-96.798504	-15.013562
8/9/2022 17:00	8/9/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	282.85	130.012861	-130.1501	-22.690372
8/9/2022 18:00	8/9/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	354.33	138.052199	-185.466983	-30.814985
8/9/2022 19:00	8/9/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	580.27	194.706354	-333.338134	-52.228846
8/9/2022 20:00	8/9/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	692.45	164.912603	-470.953136	-56.586762
8/9/2022 21:00	8/9/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	813.41	195.697573	-552.834192	-64.880735
8/9/2022 22:00	8/9/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	249.1	115.154698	-116.818908	-17.12556
8/9/2022 23:00	8/9/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	186.61	113.222233	-63.067565	-10.315202
8/10/2022 0:00	8/9/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	145.08	97.690643	-39.3421	-8.050591
8/10/2022 1:00	8/9/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.09	93.242818	-19.344807	-5.502374
8/10/2022 2:00	8/9/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.89	88.190237	-0.940928	-3.759669
8/10/2022 3:00	8/9/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.46	104.477662	0	-4.985671
8/10/2022 4:00	8/10/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.04	88.385922	0.004064	-4.653143
8/10/2022 5:00	8/10/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.27	75.698952	0.024881	-3.591763
8/10/2022 6:00	8/10/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.89	60.214711	0	-2.673622
8/10/2022 7:00	8/10/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.81	54.437019	0	-2.372148
8/10/2022 8:00	8/10/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.78	56.409072	0	-2.366761
8/10/2022 9:00	8/10/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.64	71.181055	0	-2.453945
8/10/2022 10:00	8/10/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.33	75.977267	0.027362	-2.375928
8/10/2022 11:00	8/10/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.87	76.769539	0.004194	-2.104655
8/10/2022 12:00	8/10/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.88	82.664257	0.005261	-2.216838
8/10/2022 13:00	8/10/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.91	83.747767	0.071908	-2.237475
8/10/2022 14:00	8/10/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.56	87.022941	-7.671729	-2.86783
8/10/2022 15:00	8/10/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.14	94.007032	-15.699629	-3.433339
8/10/2022 16:00	8/10/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.28	99.165471	-28.339688	-4.771508
8/10/2022 17:00	8/10/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	152.15	117.399179	-29.235376	-5.517112
8/10/2022 18:00	8/10/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	187.74	145.079693	-35.604575	-7.054065
8/10/2022 19:00	8/10/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	158.41	119.048581	-32.767884	-6.591869
8/10/2022 20:00	8/10/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	142.06	123.98335	-13.089423	-4.991393
8/10/2022 21:00	8/10/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	163.6	154.965922	-4.670294	-3.967952
8/10/2022 22:00	8/10/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.05	125.626	-2.393546	-1.029621
8/10/2022 23:00	8/10/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.91	108.27466	-1.919985	0.282144
8/11/2022 0:00	8/10/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	133.24	133.321625	-0.481268	0.560394
8/11/2022 1:00	8/10/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.7	97.36483	-0.577877	0.246873
8/11/2022 2:00	8/10/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.98	93.008831	0	0.029665
8/11/2022 3:00	8/10/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.47	74.674311	0	-0.792356
8/11/2022 4:00	8/11/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.43	74.789742	0	-1.637758
8/11/2022 5:00	8/11/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.73	73.054041	-0.350665	-1.325293
8/11/2022 6:00	8/11/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.85	65.67711	-0.21795	-0.953273
8/11/2022 7:00	8/11/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.51	53.53128	-0.000037	-0.974517
8/11/2022 8:00	8/11/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.71	57.731016	-0.081886	-0.901264
8/11/2022 9:00	8/11/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.41	69.865892	-0.365942	-1.174833
8/11/2022 10:00	8/11/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.85	103.501266	-1.800429	-1.552471
8/11/2022 11:00	8/11/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.88	68.774031	-0.179139	-0.930163
8/11/2022 12:00	8/11/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.19	87.098799	0.005994	-1.095529
8/11/2022 13:00	8/11/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.48	79.109652	0.003226	-0.375241
8/11/2022 14:00	8/11/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.34	95.018666	0	-0.323834
8/11/2022 15:00	8/11/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.65	93.373687	-0.771347	-0.507466
8/11/2022 16:00	8/11/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.01	85.804166	-0.262613	-0.945722
8/11/2022 17:00	8/11/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.75	104.434996	-0.09162	-1.223384
8/11/2022 18:00	8/11/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.3	97.313403	-0.143911	-1.846853
8/11/2022 19:00	8/11/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.36	114.473293	0	-2.885873
8/11/2022 20:00	8/11/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.29	121.877388	-5.234516	-4.177263
8/11/2022 21:00	8/11/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	148.23	131.35553	-11.060145	-5.814325
8/11/2022 22:00	8/11/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.37	114.927045	0.011725	-4.451347
8/11/2022 23:00	8/11/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.05	98.141663	0	-2.912504
8/12/2022 0:00	8/11/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.45	86.102071	-0.03981	-2.308952
8/12/2022 1:00	8/11/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.31	82.971491	-0.060636	-2.277874

8/12/2022 2:00	8/11/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.1	66.81656	0	-2.286773
8/12/2022 3:00	8/11/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.13	61.627421	0.000427	-2.505505
8/12/2022 4:00	8/12/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.66	62.513981	-0.021389	-3.128796
8/12/2022 5:00	8/12/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.36	55.78448	0	-2.571353
8/12/2022 6:00	8/12/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.2	50.169733	0	-2.034433
8/12/2022 7:00	8/12/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.48	48.592971	0.003115	-1.888478
8/12/2022 8:00	8/12/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.62	49.842474	0.000637	-1.781496
8/12/2022 9:00	8/12/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.96	59.829359	0.001322	-2.13113
8/12/2022 10:00	8/12/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69	67.012129	0	-1.984538
8/12/2022 11:00	8/12/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.63	64.949118	0	-1.681715
8/12/2022 12:00	8/12/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.81	59.591117	0	-1.219717
8/12/2022 13:00	8/12/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.39	71.161549	0	-1.230951
8/12/2022 14:00	8/12/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.64	80.311244	0.33516	-0.659749
8/12/2022 15:00	8/12/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.25	83.467395	-0.441281	-0.34549
8/12/2022 16:00	8/12/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.12	83.132307	-0.713784	-0.269743
8/12/2022 17:00	8/12/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.08	81.419817	-0.28336	-0.379324
8/12/2022 18:00	8/12/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.53	87.031119	-1.98073	-0.520651
8/12/2022 19:00	8/12/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.73	89.310072	-3.858608	-0.560487
8/12/2022 20:00	8/12/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.87	99.496037	-7.218649	-1.153647
8/12/2022 21:00	8/12/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.6	104.299486	-10.011037	-1.291977
8/12/2022 22:00	8/12/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.97	102.797178	-2.853115	-1.321374
8/12/2022 23:00	8/12/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.98	91.55463	0.39975	-0.820121
8/13/2022 0:00	8/12/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.41	83.612358	2.918749	-0.718057
8/13/2022 1:00	8/12/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.42	75.174442	0.954072	-0.197963
8/13/2022 2:00	8/12/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.65	56.726768	-0.596651	-0.327415
8/13/2022 3:00	8/12/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.07	56.338953	-0.11903	-0.610351
8/13/2022 4:00	8/13/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.39	55.545325	-0.588285	-1.25889
8/13/2022 5:00	8/13/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.98	53.03829	0	-0.93671
8/13/2022 6:00	8/13/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.18	51.327515	0	-0.848318
8/13/2022 7:00	8/13/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.92	51.205279	0.015319	-0.726707
8/13/2022 8:00	8/13/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.94	49.115826	0.022291	-0.850632
8/13/2022 9:00	8/13/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.85	48.973879	0.095924	-0.974546
8/13/2022 10:00	8/13/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.91	51.036421	0.082909	-0.953988
8/13/2022 11:00	8/13/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.63	49.538949	0.05527	-1.142154
8/13/2022 12:00	8/13/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.77	49.583339	0	-1.186661
8/13/2022 13:00	8/13/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.71	51.899932	0	-0.811735
8/13/2022 14:00	8/13/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.46	50.935908	0	-0.520759
8/13/2022 15:00	8/13/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.17	53.887726	0.064327	-0.3441
8/13/2022 16:00	8/13/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.92	61.151512	-0.266091	-0.504064
8/13/2022 17:00	8/13/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.36	60.172725	1.218331	-0.408107
8/13/2022 18:00	8/13/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.5	55.920398	1.052386	-0.626987
8/13/2022 19:00	8/13/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.93	57.165499	1.127972	-0.88914
8/13/2022 20:00	8/13/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.19	69.882348	1.866847	-1.176999
8/13/2022 21:00	8/13/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.73	73.036789	-2.254364	-1.441347
8/13/2022 22:00	8/13/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.61	83.865531	-3.718073	-2.021396
8/13/2022 23:00	8/13/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.35	76.335129	-1.32507	-1.685635
8/14/2022 0:00	8/13/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.87	73.009295	0.049983	-0.911521
8/14/2022 1:00	8/13/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.02	70.052556	0.784083	-0.753194
8/14/2022 2:00	8/13/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.2	62.73529	-0.379953	-1.079757
8/14/2022 3:00	8/13/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.81	55.311749	-0.224826	-1.272591
8/14/2022 4:00	8/14/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.82	52.229744	-0.021361	-1.568061
8/14/2022 5:00	8/14/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.51	59.730096	0	-1.779071
8/14/2022 6:00	8/14/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.71	54.22408	-0.013996	-1.475257
8/14/2022 7:00	8/14/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.7	51.359659	0	-1.341175
8/14/2022 8:00	8/14/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.01	50.768011	0	-1.240322
8/14/2022 9:00	8/14/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.72	51.578588	0	-1.143079
8/14/2022 10:00	8/14/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.97	50.845083	0	-1.122417
8/14/2022 11:00	8/14/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.18	52.147233	0	-1.036101
8/14/2022 12:00	8/14/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.67	54.606534	-0.020435	-1.043031
8/14/2022 13:00	8/14/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.95	57.50229	-0.737944	-0.712267
8/14/2022 14:00	8/14/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.22	55.654276	-0.239719	-0.326839
8/14/2022 15:00	8/14/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.95	68.938219	-2.501432	-0.511183
8/14/2022 16:00	8/14/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.86	71.531453	0.222344	-0.554224
8/14/2022 17:00	8/14/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.41	90.534379	-4.276428	-0.596693
8/14/2022 18:00	8/14/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.05	90.23752	-5.714108	-1.097539
8/14/2022 19:00	8/14/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.88	80.972342	-3.410873	-1.495119
8/14/2022 20:00	8/14/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.25	82.256732	-3.066358	-1.925244
8/14/2022 21:00	8/14/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.67	106.644486	-4.550075	-2.472939
8/14/2022 22:00	8/14/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.63	85.598529	-2.092934	-1.94187
8/14/2022 23:00	8/14/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.17	99.699287	-3.499527	-1.973687
8/15/2022 0:00	8/14/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.14	100.313596	-3.982777	-1.84196
8/15/2022 1:00	8/14/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.26	103.878985	-5.731275	-1.650574
8/15/2022 2:00	8/14/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.26	72.308168	-1.677053	-1.270612
8/15/2022 3:00	8/14/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.47	71.650783	-1.713039	-1.102012
8/15/2022 4:00	8/15/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.86	65.203629	-0.506578	-1.147293
8/15/2022 5:00	8/15/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.8	72.194243	-3.349873	-1.257551
8/15/2022 6:00	8/15/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.88	61.504296	-3.151269	-1.226101
8/15/2022 7:00	8/15/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.74	51.974928	0	-0.761739
8/15/2022 8:00	8/15/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.93	56.970976	-0.242523	-0.719835
8/15/2022 9:00	8/15/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.55	66.149562	-0.591103	-0.810168
8/15/2022 10:00	8/15/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.49	98.539902	-1.683	-0.268764
8/15/2022 11:00	8/15/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.41	71.004373	0.825815	-0.234775
8/15/2022 12:00	8/15/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.38	70.760012	-0.474703	-0.147785
8/15/2022 13:00	8/15/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.98	82.985864	-0.09896	0.105657
8/15/2022 14:00	8/15/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	141.21	145.763794	3.791647	0.76298
8/15/2022 15:00	8/15/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.78	120.851961	-4.793036	-0.135003
8/15/2022 16:00	8/15/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.4	102.841327	-5.792419	-0.763753
8/15/2022 17:00	8/15/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.19	113.63004	-6.996713	-0.56408
8/15/2022 18:00	8/15/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.39	117.187751	-5.923013	-0.275069
8/15/2022 19:00	8/15/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	144.48	138.788588	-5.730824	0.041079
8/15/2022 20:00	8/15/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.26	120.253107	-4.82139	-0.181337
8/15/2022 21:00	8/15/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.23	118.049554	-4.298451	-0.883662
8/15/2022 22:00	8/15/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.18	120.661161	-3.98389	-0.532449
8/15/2022 23:00	8/15/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.98	101.734916	-3.588965	0.344715
8/16/2022 0:00	8/15/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.6	99.988862	-3.889434	0.279963
8/16/2022 1:00	8/15/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	154.58	150.277156	-4.78297	0.479293
8/16/2022 2:00	8/15/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.7	75.341995	-0.932292	-0.42488
8/16/2022 3:00	8/15/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.06	62.165503	0.124911	-1.021908
8/16/2022 4:00	8/16/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.62	55.134117	0	-1.486716
8/16/2022 5:00	8/16/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.6	51.309593	0	-1.290407
8/16/2022 6:00	8/16/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.03	47.802822	0	-1.223012
8/16/2022 7:00	8/16/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.68	47.519194	0	-1.156639
8/16/2022 8:00	8/16/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.84	49.88151	0	-0.962657
8/16/2022 9:00	8/16/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.86	51.831423	0	-1.026078
8/16/2022 10:00	8/16/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.2	53.518872	0.442884	-1.127345
8/16/2022 11:00	8/16/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.08	56.090116	1.127629	-1.120014
8/16/2022 12:00	8/16/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.58	53.980282	0.284101	-0.883819

8/16/2022 13:00	8/16/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.43	59.95108	0.081888	-0.558308
8/16/2022 14:00	8/16/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.9	78.730416	3.019821	-0.188572
8/16/2022 15:00	8/16/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.32	79.779144	-1.560886	0.021697
8/16/2022 16:00	8/16/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.71	92.971936	-3.534199	-0.203866
8/16/2022 17:00	8/16/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.45	94.76934	-4.134902	-0.540758
8/16/2022 18:00	8/16/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.99	91.977467	-3.432856	-0.574677
8/16/2022 19:00	8/16/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.4	103.505246	-4.786804	-1.108784
8/16/2022 20:00	8/16/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	159.2	141.897504	-15.173605	-2.129725
8/16/2022 21:00	8/16/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	147.82	130.857994	-14.504182	-2.45449
8/16/2022 22:00	8/16/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.79	108.389253	-3.575556	-1.823525
8/16/2022 23:00	8/16/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.68	113.704806	-2.629864	-1.342829
8/17/2022 0:00	8/16/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.7	83.085991	-0.611905	-0.997938
8/17/2022 1:00	8/16/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.94	75.847989	-0.240675	-0.849669
8/17/2022 2:00	8/16/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.35	58.288055	0.000004	-1.060283
8/17/2022 3:00	8/16/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.69	50.762544	0	-0.931622
8/17/2022 4:00	8/17/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.43	52.447482	0	-0.977518
8/17/2022 5:00	8/17/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.53	52.561052	0	-0.970614
8/17/2022 6:00	8/17/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.91	51.17354	0	-0.73146
8/17/2022 7:00	8/17/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.7	49.925593	0	-0.770241
8/17/2022 8:00	8/17/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.85	51.100095	0	-0.744905
8/17/2022 9:00	8/17/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.21	53.435237	0	-0.773097
8/17/2022 10:00	8/17/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.19	54.457396	0	-0.735104
8/17/2022 11:00	8/17/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.98	56.277904	0.025029	-0.731292
8/17/2022 12:00	8/17/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.16	53.802904	0	-0.356263
8/17/2022 13:00	8/17/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.88	57.821443	0	-0.061057
8/17/2022 14:00	8/17/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.28	79.735498	0.000006	0.458825
8/17/2022 15:00	8/17/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.8	95.320686	-0.275587	0.79544
8/17/2022 16:00	8/17/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.88	87.250751	-1.39804	0.771291
8/17/2022 17:00	8/17/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.2	100.831567	-2.495932	1.131665
8/17/2022 18:00	8/17/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.41	111.834145	-2.67569	2.102335
8/17/2022 19:00	8/17/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.65	97.599623	2.063041	1.884083
8/17/2022 20:00	8/17/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.29	104.923155	0.969812	1.665009
8/17/2022 21:00	8/17/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.56	110.497707	0.007498	1.931042
8/17/2022 22:00	8/17/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.89	103.302386	0.339756	2.07263
8/17/2022 23:00	8/17/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.13	89.683776	0.750134	1.801975
8/18/2022 0:00	8/17/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.34	99.309354	1.842403	2.122784
8/18/2022 1:00	8/17/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.71	82.485445	1.383623	1.395989
8/18/2022 2:00	8/17/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.96	77.132336	2.185711	0.982459
8/18/2022 3:00	8/17/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.98	62.420976	0	0.445142
8/18/2022 4:00	8/18/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.84	67.765864	0	-0.074137
8/18/2022 5:00	8/18/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.48	61.281627	0	-0.20004
8/18/2022 6:00	8/18/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.5	58.31954	0	-0.17796
8/18/2022 7:00	8/18/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.43	56.202377	0	-0.224289
8/18/2022 8:00	8/18/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.43	56.137093	0	-0.292074
8/18/2022 9:00	8/18/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.85	60.633235	0	-0.218432
8/18/2022 10:00	8/18/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.98	70.176353	0.079229	0.121291
8/18/2022 11:00	8/18/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.35	63.123637	0.796729	-0.021426
8/18/2022 12:00	8/18/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.25	58.551278	0	0.299611
8/18/2022 13:00	8/18/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.17	58.841809	0.029649	0.642994
8/18/2022 14:00	8/18/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.01	77.248704	2.349821	0.887217
8/18/2022 15:00	8/18/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.97	90.57854	0.327314	1.28456
8/18/2022 16:00	8/18/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.84	117.990801	2.488361	1.664107
8/18/2022 17:00	8/18/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.75	96.266184	0.021295	1.498222
8/18/2022 18:00	8/18/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.04	97.380081	0.367807	0.976441
8/18/2022 19:00	8/18/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.76	106.498499	-1.808927	0.551593
8/18/2022 20:00	8/18/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.63	107.553405	-0.997403	-0.074192
8/18/2022 21:00	8/18/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111	110.26905	-0.441581	-0.286869
8/18/2022 22:00	8/18/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.07	115.026775	-0.755701	-0.287525
8/18/2022 23:00	8/18/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.74	107.188113	1.636907	-0.186294
8/19/2022 0:00	8/18/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.07	95.503288	1.649825	-0.215703
8/19/2022 1:00	8/18/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.66	89.357985	0.903889	-0.203404
8/19/2022 2:00	8/18/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.57	80.03164	1.640893	-0.18092
8/19/2022 3:00	8/18/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.1	64.73898	0.040127	0.602186
8/19/2022 4:00	8/19/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.04	62.770636	0	-0.27353
8/19/2022 5:00	8/19/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.11	60.345177	0	-0.759823
8/19/2022 6:00	8/19/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.64	55.781399	0	-0.859435
8/19/2022 7:00	8/19/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.81	53.752793	0	-1.054707
8/19/2022 8:00	8/19/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.81	52.632093	0	-1.179574
8/19/2022 9:00	8/19/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.3	54.959467	-0.050383	-1.287649
8/19/2022 10:00	8/19/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.3	57.15844	0	-1.13656
8/19/2022 11:00	8/19/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.63	56.941165	0.272893	-0.965062
8/19/2022 12:00	8/19/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.05	61.202086	0.927719	-0.770633
8/19/2022 13:00	8/19/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.41	77.829985	0.583877	-0.163891
8/19/2022 14:00	8/19/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.04	88.13217	0.188323	-0.093653
8/19/2022 15:00	8/19/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.4	114.642886	-0.123345	-0.637102
8/19/2022 16:00	8/19/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.81	104.673172	-4.836878	-1.301617
8/19/2022 17:00	8/19/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.19	98.066908	-14.285326	-1.8411
8/19/2022 18:00	8/19/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.05	96.723009	-10.959193	-2.370298
8/19/2022 19:00	8/19/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.45	120.935899	-10.765403	-3.748699
8/19/2022 20:00	8/19/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	154.37	141.949318	-6.975592	-5.440924
8/19/2022 21:00	8/19/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	139.37	129.395574	-4.788739	-5.180688
8/19/2022 22:00	8/19/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.55	104.97414	-0.069171	-3.507523
8/19/2022 23:00	8/19/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.94	99.880462	-0.002944	-2.059094
8/20/2022 0:00	8/19/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.25	94.173618	-0.137477	-1.940572
8/20/2022 1:00	8/19/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.24	86.487514	0.05322	-1.800706
8/20/2022 2:00	8/19/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.06	74.125262	-0.027512	-1.904726
8/20/2022 3:00	8/19/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.83	70.267453	0	-2.565881
8/20/2022 4:00	8/20/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.8	77.398726	-0.253214	-3.14806
8/20/2022 5:00	8/20/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.43	68.130441	-6.321815	-2.977744
8/20/2022 6:00	8/20/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.12	60.006294	-0.024113	-2.085426
8/20/2022 7:00	8/20/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.83	56.676484	0	-2.157683
8/20/2022 8:00	8/20/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.65	57.606986	0	-2.042181
8/20/2022 9:00	8/20/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.8	57.840499	0	-1.957834
8/20/2022 10:00	8/20/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.77	60.038617	0	-1.734717
8/20/2022 11:00	8/20/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.88	63.163948	0	-1.720219
8/20/2022 12:00	8/20/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.14	67.209103	0	-1.935064
8/20/2022 13:00	8/20/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.21	70.271179	-2.693702	-2.243453
8/20/2022 14:00	8/20/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.44	100.102419	-4.04506	-3.292521
8/20/2022 15:00	8/20/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.23	83.170037	-0.167503	-2.890793
8/20/2022 16:00	8/20/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.25	98.233714	-4.509283	-3.509502
8/20/2022 17:00	8/20/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.78	93.412694	-5.758527	-3.607946
8/20/2022 18:00	8/20/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.68	108.533755	-9.630714	-4.51303
8/20/2022 19:00	8/20/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128	106.456779	-15.968778	-5.57861
8/20/2022 20:00	8/20/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	133.18	105.350152	-20.937222	-6.888459
8/20/2022 21:00	8/20/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	139.15	116.737268	-15.262429	-7.14697
8/20/2022 22:00	8/20/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	120.42	114.674198	-0.763023	-4.984446
8/20/2022 23:00	8/20/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.92	94.517977	-0.196668	-3.200355

8/21/2022 0:00	8/20/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.18	99.175326	-0.589568	-3.415106
8/21/2022 1:00	8/20/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.1	85.404238	-0.133306	-3.565789
8/21/2022 2:00	8/20/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.36	83.032847	0	-3.323819
8/21/2022 3:00	8/20/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.02	71.13186	0	-2.88564
8/21/2022 4:00	8/21/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.11	59.386697	-5.788872	-2.933598
8/21/2022 5:00	8/21/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.82	60.325425	0	-2.494575
8/21/2022 6:00	8/21/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.92	56.861774	0	-2.062393
8/21/2022 7:00	8/21/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.69	58.8552	0	-1.830633
8/21/2022 8:00	8/21/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.99	57.445707	0	-1.54346
8/21/2022 9:00	8/21/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.84	56.353887	0	-1.483613
8/21/2022 10:00	8/21/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.31	58.937929	0	-1.374571
8/21/2022 11:00	8/21/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.77	62.192531	0	-1.575802
8/21/2022 12:00	8/21/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.54	66.637027	0	-1.90214
8/21/2022 13:00	8/21/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.93	68.913551	0	-2.018116
8/21/2022 14:00	8/21/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.5	71.94224	-0.08304	-2.470553
8/21/2022 15:00	8/21/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.18	95.179932	-3.338704	-3.664698
8/21/2022 16:00	8/21/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.67	83.005565	-1.592096	-3.069006
8/21/2022 17:00	8/21/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.99	80.245983	-0.423605	-2.324579
8/21/2022 18:00	8/21/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.55	85.488022	-0.240477	-1.816501
8/21/2022 19:00	8/21/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.42	109.83992	-0.954954	-1.620126
8/21/2022 20:00	8/21/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.78	120.911409	-0.107905	-1.763187
8/21/2022 21:00	8/21/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.76	122.752621	-0.268704	-1.742842
8/21/2022 22:00	8/21/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.57	118.014652	-0.024959	-1.527056
8/21/2022 23:00	8/21/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.16	105.060248	0	-1.102252
8/22/2022 0:00	8/21/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.47	83.08443	0	-1.388071
8/22/2022 1:00	8/21/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.55	83.789454	-0.225434	-1.534278
8/22/2022 2:00	8/21/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.53	72.78799	0	-1.742843
8/22/2022 3:00	8/21/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.8	70.714381	0	-2.086452
8/22/2022 4:00	8/22/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.04	70.516042	0	-2.528124
8/22/2022 5:00	8/22/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.89	62.915233	0	-1.9781
8/22/2022 6:00	8/22/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.15	56.349711	0	-1.797789
8/22/2022 7:00	8/22/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.99	55.112664	0	-1.874836
8/22/2022 8:00	8/22/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58	55.898296	0	-2.096704
8/22/2022 9:00	8/22/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.11	72.372193	0	-2.736974
8/22/2022 10:00	8/22/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.48	79.630373	0	-2.85046
8/22/2022 11:00	8/22/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.66	83.650618	-0.683024	-2.323858
8/22/2022 12:00	8/22/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.29	83.511873	-0.672199	-2.100928
8/22/2022 13:00	8/22/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.17	91.526146	0	-1.639687
8/22/2022 14:00	8/22/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.21	105.180325	-3.127157	-0.898352
8/22/2022 15:00	8/22/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.67	87.841897	-1.480662	-0.350774
8/22/2022 16:00	8/22/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.25	116.535836	-5.481302	-0.235362
8/22/2022 17:00	8/22/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	153.25	145.439172	-7.068125	-0.741871
8/22/2022 18:00	8/22/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	162.21	152.362165	-8.430089	-1.418579
8/22/2022 19:00	8/22/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	195.28	176.869325	-16.665184	-1.747992
8/22/2022 20:00	8/22/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	180.41	181.603517	2.389455	-1.197604
8/22/2022 21:00	8/22/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	206.5	211.94716	7.404501	-1.953174
8/22/2022 22:00	8/22/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.33	124.0696	-0.408059	-0.854008
8/22/2022 23:00	8/22/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126.04	128.223151	2.309588	-0.12977
8/23/2022 0:00	8/22/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.75	124.326726	3.201902	-0.626009
8/23/2022 1:00	8/22/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.39	99.107724	0.707735	-0.994178
8/23/2022 2:00	8/22/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.43	87.663205	0.565714	-1.330009
8/23/2022 3:00	8/22/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.59	70.957807	0	-1.635526
8/23/2022 4:00	8/23/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.11	75.167667	0	-1.944834
8/23/2022 5:00	8/23/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.85	68.314718	0	-1.533616
8/23/2022 6:00	8/23/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.07	56.779599	0	-1.291234
8/23/2022 7:00	8/23/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.91	53.633721	0	-1.272946
8/23/2022 8:00	8/23/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.25	54.016695	0	-1.234971
8/23/2022 9:00	8/23/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.14	57.857512	0	-1.279988
8/23/2022 10:00	8/23/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.84	73.564502	0	-1.279665
8/23/2022 11:00	8/23/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.91	74.360927	0	-1.55074
8/23/2022 12:00	8/23/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.93	75.980645	0	-1.949355
8/23/2022 13:00	8/23/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.99	80.061699	0	-1.924135
8/23/2022 14:00	8/23/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.13	91.727917	0	-1.397083
8/23/2022 15:00	8/23/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.18	113.32772	-0.017115	-1.835166
8/23/2022 16:00	8/23/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.86	104.010652	-0.398196	-1.447818
8/23/2022 17:00	8/23/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.11	99.94411	-0.48426	-1.67663
8/23/2022 18:00	8/23/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.72	121.799544	-0.000833	-1.921289
8/23/2022 19:00	8/23/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	138.14	135.857776	-0.202314	-2.083244
8/23/2022 20:00	8/23/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	206.79	206.144675	2.682336	-3.327661
8/23/2022 21:00	8/23/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	206.92	202.632059	-0.109917	-4.178025
8/23/2022 22:00	8/23/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	140.4	138.321103	0.070074	-2.152305
8/23/2022 23:00	8/23/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.45	125.724743	5.11609	-0.84218
8/24/2022 0:00	8/23/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.46	114.574557	-0.287489	-1.598787
8/24/2022 1:00	8/23/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.19	92.31286	0	-0.873806
8/24/2022 2:00	8/23/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.05	83.749384	0.203372	-0.508155
8/24/2022 3:00	8/23/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.52	71.798594	0	-0.720572
8/24/2022 4:00	8/24/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.21	70.07405	-0.00148	-1.131136
8/24/2022 5:00	8/24/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.52	64.694781	0	-0.820219
8/24/2022 6:00	8/24/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.04	59.067899	0	-0.970435
8/24/2022 7:00	8/24/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.01	55.760701	0	-1.250965
8/24/2022 8:00	8/24/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.21	55.984134	0	-1.230033
8/24/2022 9:00	8/24/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.22	59.961052	-0.028579	-1.234536
8/24/2022 10:00	8/24/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.53	67.556084	-0.154931	-0.822319
8/24/2022 11:00	8/24/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.06	75.113908	-0.037638	-0.905953
8/24/2022 12:00	8/24/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.3	79.095892	0	-1.201608
8/24/2022 13:00	8/24/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.59	73.593319	0	-0.993348
8/24/2022 14:00	8/24/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.15	89.518183	0	-0.630151
8/24/2022 15:00	8/24/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.34	107.384068	-0.471842	-0.488257
8/24/2022 16:00	8/24/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.79	102.692216	0.066283	-0.160734
8/24/2022 17:00	8/24/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.7	95.29011	-0.013905	-0.400152
8/24/2022 18:00	8/24/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.54	98.499216	-0.336036	-0.708081
8/24/2022 19:00	8/24/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	150.11	151.66871	2.801517	-1.241974
8/24/2022 20:00	8/24/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	146.9	146.162395	0.381155	-1.117093
8/24/2022 21:00	8/24/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.44	105.230552	-0.009056	-1.197893
8/24/2022 22:00	8/24/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.39	105.828942	1.294359	-0.855418
8/24/2022 23:00	8/24/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.54	106.132579	1.005123	-0.414211
8/25/2022 0:00	8/24/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.3	105.871638	-1.794015	-0.631846
8/25/2022 1:00	8/24/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.5	92.55986	-0.590923	-0.34505
8/25/2022 2:00	8/24/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.75	84.375779	0	-0.371721
8/25/2022 3:00	8/24/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.89	73.850786	0	-1.037548
8/25/2022 4:00	8/25/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.15	69.863394	-0.006041	-1.278065
8/25/2022 5:00	8/25/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.9	64.162149	0	-0.733685
8/25/2022 6:00	8/25/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.32	63.900061	0	-0.423273
8/25/2022 7:00	8/25/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.59	59.992259	0	-0.601075
8/25/2022 8:00	8/25/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.14	59.622764	0	-0.514736
8/25/2022 9:00	8/25/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.29	62.582617	-1.303808	-0.398575
8/25/2022 10:00	8/25/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.28	65.356211	-1.488077	-0.437379

8/25/2022 11:00	8/25/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.7	77.30747	0	-0.38753
8/25/2022 12:00	8/25/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.24	70.587224	0	-0.654443
8/25/2022 13:00	8/25/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.11	82.682128	0	-0.424538
8/25/2022 14:00	8/25/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.5	86.840233	0	-0.657267
8/25/2022 15:00	8/25/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.68	97.18612	0.004337	-1.502384
8/25/2022 16:00	8/25/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.01	93.086857	0.674946	-1.595589
8/25/2022 17:00	8/25/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.78	102.671897	-2.459711	-2.645893
8/25/2022 18:00	8/25/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.87	108.470317	-11.977196	-4.42332
8/25/2022 19:00	8/25/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.68	110.100866	-3.279365	-4.298936
8/25/2022 20:00	8/25/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.06	121.464459	-3.289268	-5.305439
8/25/2022 21:00	8/25/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.26	126.178896	-4.524883	-4.558721
8/25/2022 22:00	8/25/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.15	100.575389	0.464346	-2.034791
8/25/2022 23:00	8/25/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.93	105.655008	1.037994	-1.309653
8/26/2022 0:00	8/25/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	120.24	118.004691	-0.786932	-1.447544
8/26/2022 1:00	8/25/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.62	101.678797	0	-0.94537
8/26/2022 2:00	8/25/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.47	83.875978	0	-0.589856
8/26/2022 3:00	8/25/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.75	83.518829	0	-1.234504
8/26/2022 4:00	8/26/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.38	74.405227	0	-1.978106
8/26/2022 5:00	8/26/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.19	74.632446	0	-1.555054
8/26/2022 6:00	8/26/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.58	66.802387	0	-0.778446
8/26/2022 7:00	8/26/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.16	61.272665	0	-0.889835
8/26/2022 8:00	8/26/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.27	61.52503	0	-0.74247
8/26/2022 9:00	8/26/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.62	71.954822	0	-0.665178
8/26/2022 10:00	8/26/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.71	83.850364	0	-0.856303
8/26/2022 11:00	8/26/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.49	91.706391	0	-0.778609
8/26/2022 12:00	8/26/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.03	101.002015	0	-1.028818
8/26/2022 13:00	8/26/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.73	91.008732	0	-0.719601
8/26/2022 14:00	8/26/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.03	116.337217	0	-1.69195
8/26/2022 15:00	8/26/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	134.47	131.207048	0	-3.262952
8/26/2022 16:00	8/26/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	155.23	141.315282	-9.424095	-4.48979
8/26/2022 17:00	8/26/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	151.87	128.723383	-18.086313	-5.05697
8/26/2022 18:00	8/26/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	152.06	125.70742	-21.046439	-5.310309
8/26/2022 19:00	8/26/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	195.18	166.45367	-20.958618	-7.76688
8/26/2022 20:00	8/26/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	178.53	149.505342	-20.8973	-8.123192
8/26/2022 21:00	8/26/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	197.47	167.27252	-20.878813	-9.313668
8/26/2022 22:00	8/26/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	147.22	128.316819	-13.284193	-5.620655
8/26/2022 23:00	8/26/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126	122.308273	0	-3.69256
8/27/2022 0:00	8/26/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.18	109.174606	0	-3.004561
8/27/2022 1:00	8/26/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.69	91.978494	0	-2.709006
8/27/2022 2:00	8/26/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.52	88.853424	0	-2.66991
8/27/2022 3:00	8/26/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.57	73.980792	0	-2.593375
8/27/2022 4:00	8/27/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.9	68.877718	-0.0905	-2.928448
8/27/2022 5:00	8/27/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.95	68.936465	-1.780525	-3.237177
8/27/2022 6:00	8/27/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.95	58.652062	-1.671528	-2.629744
8/27/2022 7:00	8/27/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.07	58.67908	-0.003943	-2.38281
8/27/2022 8:00	8/27/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.7	56.413388	-0.070928	-2.219017
8/27/2022 9:00	8/27/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.61	57.379288	-0.076684	-2.151528
8/27/2022 10:00	8/27/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.05	57.184254	0	-1.863246
8/27/2022 11:00	8/27/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.07	55.181544	0	-1.887623
8/27/2022 12:00	8/27/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.05	61.408972	-0.381374	-2.260487
8/27/2022 13:00	8/27/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.56	71.944141	-0.131731	-2.485795
8/27/2022 14:00	8/27/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.12	81.128806	-0.054391	-2.931803
8/27/2022 15:00	8/27/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.3	92.995819	0	-3.300015
8/27/2022 16:00	8/27/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.59	103.273823	-0.140436	-3.174074
8/27/2022 17:00	8/27/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	120.19	104.047525	-12.795385	-3.350423
8/27/2022 18:00	8/27/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.12	110.536752	-10.651432	-2.934316
8/27/2022 19:00	8/27/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	183.71	167.487936	-12.463873	-3.758191
8/27/2022 20:00	8/27/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	173.09	168.495987	0.076054	-4.6734
8/27/2022 21:00	8/27/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	157.96	154.006431	0.104747	-4.058317
8/27/2022 22:00	8/27/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	147.13	144.192893	0.018572	-2.957346
8/27/2022 23:00	8/27/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.37	98.631855	0.002336	-1.743815
8/28/2022 0:00	8/27/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.74	92.663951	0	-2.071049
8/28/2022 1:00	8/27/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.58	82.289176	0	-2.288324
8/28/2022 2:00	8/27/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.77	67.844534	0	-2.924632
8/28/2022 3:00	8/27/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.35	66.912232	0	-3.441934
8/28/2022 4:00	8/28/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.45	56.588508	-2.694117	-3.164042
8/28/2022 5:00	8/28/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.79	57.143243	-1.645601	-3.00199
8/28/2022 6:00	8/28/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.58	55.967793	-0.118288	-2.489752
8/28/2022 7:00	8/28/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.06	55.220355	-0.279422	-2.56439
8/28/2022 8:00	8/28/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.34	53.684587	-0.064096	-2.592984
8/28/2022 9:00	8/28/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.64	52.792367	-0.407916	-2.438883
8/28/2022 10:00	8/28/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.16	52.410676	-0.360788	-2.391869
8/28/2022 11:00	8/28/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.94	49.434284	-1.173416	-2.330634
8/28/2022 12:00	8/28/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.92	52.231053	-0.63627	-2.051843
8/28/2022 13:00	8/28/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.72	59.210551	0	-1.512782
8/28/2022 14:00	8/28/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.5	76.294532	1.044833	-1.252801
8/28/2022 15:00	8/28/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.69	107.777481	4.508913	-1.418931
8/28/2022 16:00	8/28/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.89	94.137248	0.800778	-1.549363
8/28/2022 17:00	8/28/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	142.24	143.244435	3.184648	-2.182713
8/28/2022 18:00	8/28/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.97	133.051065	-1.079588	-1.836014
8/28/2022 19:00	8/28/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	146.65	140.596362	-3.04202	-3.010785
8/28/2022 20:00	8/28/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	215.96	208.175716	-2.412144	-5.374641
8/28/2022 21:00	8/28/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	176.78	157.254359	-13.402888	-6.11942
8/28/2022 22:00	8/28/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	172.67	165.135023	-2.221881	-5.308929
8/28/2022 23:00	8/28/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	163.37	164.83373	5.269639	-3.802576
8/29/2022 0:00	8/28/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	164.02	163.665089	2.365546	-2.717958
8/29/2022 1:00	8/28/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.47	107.102173	1.097211	-1.462538
8/29/2022 2:00	8/28/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.69	92.688164	0.690239	-0.687909
8/29/2022 3:00	8/28/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.96	88.759547	-1.595763	-1.59969
8/29/2022 4:00	8/29/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.11	87.245456	-2.999798	-1.86058
8/29/2022 5:00	8/29/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.5	69.481484	-1.41444	-1.602409
8/29/2022 6:00	8/29/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.19	57.113911	-1.400011	-1.671079
8/29/2022 7:00	8/29/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.11	60.976799	-0.515517	-1.61685
8/29/2022 8:00	8/29/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.74	72.004884	-0.06133	-1.676286
8/29/2022 9:00	8/29/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.23	92.28565	4.945651	-1.891667
8/29/2022 10:00	8/29/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.21	95.011218	0.047685	-2.2498
8/29/2022 11:00	8/29/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.81	100.565515	-0.526047	-1.715104
8/29/2022 12:00	8/29/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.22	106.709898	-0.142302	-1.368633
8/29/2022 13:00	8/29/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.58	102.363462	0.026544	-1.238916
8/29/2022 14:00	8/29/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.97	106.278769	0.043891	-1.737623
8/29/2022 15:00	8/29/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.34	131.201236	-2.203382	-1.935383
8/29/2022 16:00	8/29/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	170.38	136.982752	-28.130239	-5.267842
8/29/2022 17:00	8/29/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	210.1	156.315796	-46.289656	-7.492048
8/29/2022 18:00	8/29/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	195.92	151.043554	-37.131527	-7.745752
8/29/2022 19:00	8/29/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	229.29	180.271061	-38.956357	-10.066749
8/29/2022 20:00	8/29/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	279.05	236.186861	-28.674531	-14.188609
8/29/2022 21:00	8/29/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	167.62	132.609975	-26.753974	-8.252718

8/29/2022 22:00	8/29/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	142.92	126.218834	-10.514382	-6.189284
8/29/2022 23:00	8/29/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.71	114.02045	-2.373063	-5.31232
8/30/2022 0:00	8/29/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.07	99.948133	-2.47304	-5.647993
8/30/2022 1:00	8/29/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.93	95.468954	-1.917436	-4.54111
8/30/2022 2:00	8/29/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.17	111.18841	-0.19383	-4.783594
8/30/2022 3:00	8/29/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.28	83.050118	-0.142591	-3.084791
8/30/2022 4:00	8/30/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.87	74.482615	0	-3.390719
8/30/2022 5:00	8/30/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.63	78.041452	0	-2.583548
8/30/2022 6:00	8/30/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.46	68.02167	0	-1.442497
8/30/2022 7:00	8/30/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.84	66.739483	0	-1.098017
8/30/2022 8:00	8/30/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.78	66.475813	0	-1.308353
8/30/2022 9:00	8/30/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.65	87.773242	0	-1.871758
8/30/2022 10:00	8/30/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.82	101.75379	3.966684	-3.028727
8/30/2022 11:00	8/30/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.73	94.696737	0.56981	-2.607239
8/30/2022 12:00	8/30/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.19	92.480629	0	-2.708538
8/30/2022 13:00	8/30/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.76	93.43291	0	-2.325423
8/30/2022 14:00	8/30/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.1	102.878214	0.069045	-3.287498
8/30/2022 15:00	8/30/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.7	100.226684	-12.147612	-4.325704
8/30/2022 16:00	8/30/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	142.52	97.228853	-38.540181	-6.750133
8/30/2022 17:00	8/30/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	142.41	90.311609	-44.449574	-7.64465
8/30/2022 18:00	8/30/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	169.76	97.744622	-62.034153	-9.976225
8/30/2022 19:00	8/30/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	154.94	110.196939	-35.003877	-9.742518
8/30/2022 20:00	8/30/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.53	108.561662	-8.908659	-8.054679
8/30/2022 21:00	8/30/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.71	109.781814	-15.478121	-7.449232
8/30/2022 22:00	8/30/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	134.64	118.621537	-11.156184	-4.858112
8/30/2022 23:00	8/30/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.38	118.480548	-1.39887	-2.495583
8/31/2022 0:00	8/30/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.03	111.337234	-3.792549	-2.897717
8/31/2022 1:00	8/30/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.21	90.07844	-1.187096	-1.941965
8/31/2022 2:00	8/30/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.66	70.787147	0	-1.86952
8/31/2022 3:00	8/30/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.83	72.418733	0	-2.407101
8/31/2022 4:00	8/31/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.97	67.39582	0	-2.569181
8/31/2022 5:00	8/31/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.24	68.309497	0	-1.926336
8/31/2022 6:00	8/31/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.25	61.116699	0	-1.134135
8/31/2022 7:00	8/31/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.1	56.730818	0	-1.365848
8/31/2022 8:00	8/31/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.44	57.069626	0	-1.367874
8/31/2022 9:00	8/31/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.62	65.24727	0	-1.376064
8/31/2022 10:00	8/31/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.5	77.16935	0	-1.329817
8/31/2022 11:00	8/31/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.81	74.469828	0	-1.342672
8/31/2022 12:00	8/31/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.06	77.632958	0	-1.427042
8/31/2022 13:00	8/31/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.98	76.992156	0	-0.982844
8/31/2022 14:00	8/31/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.43	85.019948	0	-0.408385
8/31/2022 15:00	8/31/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.22	88.591102	0	0.368602
8/31/2022 16:00	8/31/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.58	95.134152	0.832217	0.717768
8/31/2022 17:00	8/31/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	147.35	153.302934	4.0844	1.866034
8/31/2022 18:00	8/31/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.59	114.225742	6.218431	1.418144
8/31/2022 19:00	8/31/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.64	122.549892	2.819304	2.093089
8/31/2022 20:00	8/31/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	188.39	225.451477	33.709372	3.357105
8/31/2022 21:00	8/31/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	152.49	159.337204	4.482584	2.362121
8/31/2022 22:00	8/31/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	145.17	151.712674	3.618573	2.925768
8/31/2022 23:00	8/31/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	140.35	151.135936	7.113184	3.669419
9/1/2022 0:00	8/31/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.89	120.853584	1.668072	2.298012
9/1/2022 1:00	8/31/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.67	105.105176	4.10162	2.329389
9/1/2022 2:00	8/31/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.21	69.69266	0.18495	1.299377
9/1/2022 3:00	8/31/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.76	65.043892	0.060553	0.226673
9/1/2022 4:00	9/1/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.4	60.003158	0	-0.397676
9/1/2022 5:00	9/1/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.71	59.490748	0	-0.214252
9/1/2022 6:00	9/1/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.83	55.722962	0	-0.103705
9/1/2022 7:00	9/1/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.24	54.143455	0	-0.096545
9/1/2022 8:00	9/1/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.32	54.280641	0	-0.036859
9/1/2022 9:00	9/1/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.86	59.019797	0	0.159797
9/1/2022 10:00	9/1/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.38	66.549634	0.631407	0.53906
9/1/2022 11:00	9/1/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.94	68.565831	0.492839	1.133825
9/1/2022 12:00	9/1/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.07	67.128971	0.967121	1.09435
9/1/2022 13:00	9/1/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.36	81.695789	1.54735	1.784273
9/1/2022 14:00	9/1/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.22	92.872291	1.218158	2.429967
9/1/2022 15:00	9/1/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.51	88.53255	0.433526	2.590691
9/1/2022 16:00	9/1/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.64	111.831599	0.475232	3.720534
9/1/2022 17:00	9/1/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.65	102.688899	-1.380552	3.418618
9/1/2022 18:00	9/1/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.23	125.756639	-2.320463	3.851268
9/1/2022 19:00	9/1/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	162.83	168.63739	0.561086	5.244638
9/1/2022 20:00	9/1/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	173.37	180.096231	2.257336	4.467229
9/1/2022 21:00	9/1/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	173.74	185.806574	8.363648	3.700426
9/1/2022 22:00	9/1/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	145	154.480716	6.694257	2.790626
9/1/2022 23:00	9/1/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.05	132.754551	6.013227	2.692157
9/2/2022 0:00	9/1/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.42	115.248797	2.07055	1.758247
9/2/2022 1:00	9/1/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.25	109.157772	3.13319	1.775415
9/2/2022 2:00	9/1/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.49	86.414332	1.133188	1.788645
9/2/2022 3:00	9/1/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.51	77.765061	0.027054	1.224673
9/2/2022 4:00	9/2/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.97	74.748306	1.405601	0.376039
9/2/2022 5:00	9/2/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.25	64.974929	0.579817	0.143445
9/2/2022 6:00	9/2/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.63	58.714969	0.082646	0.004823
9/2/2022 7:00	9/2/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.2	56.158957	0	-0.044376
9/2/2022 8:00	9/2/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.53	56.509198	0	-0.015802
9/2/2022 9:00	9/2/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.13	61.724637	0.561745	0.035392
9/2/2022 10:00	9/2/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.61	84.122462	4.173456	0.344005
9/2/2022 11:00	9/2/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.09	69.372443	2.024893	0.25505
9/2/2022 12:00	9/2/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.06	59.975848	0.476299	0.440383
9/2/2022 13:00	9/2/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.88	74.61941	2.472598	1.270145
9/2/2022 14:00	9/2/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.78	78.907396	3.40992	1.714976
9/2/2022 15:00	9/2/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.27	88.772178	4.46672	2.037125
9/2/2022 16:00	9/2/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.31	96.646966	5.335672	1.997961
9/2/2022 17:00	9/2/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.77	106.537176	6.544571	2.218438
9/2/2022 18:00	9/2/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.76	108.539916	6.716151	2.066265
9/2/2022 19:00	9/2/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.96	130.673034	9.008059	1.702475
9/2/2022 20:00	9/2/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.88	117.326969	5.243477	1.199326
9/2/2022 21:00	9/2/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	134.73	143.980952	7.670206	1.584079
9/2/2022 22:00	9/2/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.33	118.014018	6.096349	1.592669
9/2/2022 23:00	9/2/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.56	98.767484	3.710937	1.499881
9/3/2022 0:00	9/2/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.78	123.022378	7.454682	1.789363
9/3/2022 1:00	9/2/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.97	110.589148	4.111735	1.509914
9/3/2022 2:00	9/2/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.15	89.783615	2.818858	0.81809
9/3/2022 3:00	9/2/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.51	74.817157	1.112366	0.193125
9/3/2022 4:00	9/3/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.32	66.893089	0.013634	-0.437212
9/3/2022 5:00	9/3/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.9	71.54779	0.995039	-0.344749
9/3/2022 6:00	9/3/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.9	65.101577	1.166246	0.039498
9/3/2022 7:00	9/3/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.11	56.977598	0.030587	-0.166322
9/3/2022 8:00	9/3/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.15	57.107544	0.09087	-0.132492

9/3/2022 9:00	9/3/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.88	60.242551	0.479229	-0.111678
9/3/2022 10:00	9/3/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.39	62.046428	0.638932	0.016663
9/3/2022 11:00	9/3/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.87	59.160121	0.292571	-0.000783
9/3/2022 12:00	9/3/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.94	61.38369	0.408938	0.032252
9/3/2022 13:00	9/3/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.45	88.023061	5.109695	0.460866
9/3/2022 14:00	9/3/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.32	82.070155	4.368856	0.386299
9/3/2022 15:00	9/3/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.3	84.933716	4.21111	0.420106
9/3/2022 16:00	9/3/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.95	87.858315	4.304972	0.606676
9/3/2022 17:00	9/3/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.11	98.876828	4.199181	0.565147
9/3/2022 18:00	9/3/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.78	112.895669	3.851005	0.263831
9/3/2022 19:00	9/3/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.7	108.508369	5.552561	0.253308
9/3/2022 20:00	9/3/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.46	98.112188	3.581922	0.0711
9/3/2022 21:00	9/3/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.18	100.990356	2.206343	-0.393487
9/3/2022 22:00	9/3/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.42	105.759972	3.935514	-0.599709
9/3/2022 23:00	9/3/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.08	105.82365	6.382671	-0.634855
9/4/2022 0:00	9/3/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.23	136.618095	7.533102	-1.146674
9/4/2022 1:00	9/3/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.35	90.400117	1.849538	-0.799421
9/4/2022 2:00	9/3/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.41	84.184203	-0.382075	-0.840388
9/4/2022 3:00	9/3/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.28	72.026237	-0.308793	-0.945803
9/4/2022 4:00	9/4/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.98	80.389309	0.024276	-1.617467
9/4/2022 5:00	9/4/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.53	64.994903	-0.205131	-1.331632
9/4/2022 6:00	9/4/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.2	66.17169	0	-1.032477
9/4/2022 7:00	9/4/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.96	57.025093	0	-0.93824
9/4/2022 8:00	9/4/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.7	55.684747	0	-1.015253
9/4/2022 9:00	9/4/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.17	56.093149	0	-1.076018
9/4/2022 10:00	9/4/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.73	54.582508	0	-1.148326
9/4/2022 11:00	9/4/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.33	53.299532	0	-1.025468
9/4/2022 12:00	9/4/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.48	53.381179	0	-1.095488
9/4/2022 13:00	9/4/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.38	58.035106	0	-1.349061
9/4/2022 14:00	9/4/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.16	64.473322	0	-1.690845
9/4/2022 15:00	9/4/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.83	77.247024	0	-2.582976
9/4/2022 16:00	9/4/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.62	84.00139	0	-3.619444
9/4/2022 17:00	9/4/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.39	88.031511	0	-4.356823
9/4/2022 18:00	9/4/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.01	82.777886	-5.572368	-4.655579
9/4/2022 19:00	9/4/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.46	85.560987	-12.624809	-5.269204
9/4/2022 20:00	9/4/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.82	78.019963	-15.451597	-5.350941
9/4/2022 21:00	9/4/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.29	71.827563	-21.735608	-5.729329
9/4/2022 22:00	9/4/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.97	80.138354	-13.153528	-5.676451
9/4/2022 23:00	9/4/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.39	64.690307	-3.652115	-4.050912
9/5/2022 0:00	9/4/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.53	62.605727	-1.115259	-3.807347
9/5/2022 1:00	9/4/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.1	67.998068	0	-4.103599
9/5/2022 2:00	9/4/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.45	69.136036	2.711161	-4.020959
9/5/2022 3:00	9/4/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.26	76.921947	0	-4.33472
9/5/2022 4:00	9/5/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.46	67.801453	0	-3.657714
9/5/2022 5:00	9/5/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.08	67.812004	0	-3.267996
9/5/2022 6:00	9/5/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.24	63.459771	0	-2.776062
9/5/2022 7:00	9/5/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.59	59.1043	0	-2.485701
9/5/2022 8:00	9/5/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.17	55.810708	0	-2.357625
9/5/2022 9:00	9/5/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.57	64.92675	0	-2.647417
9/5/2022 10:00	9/5/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.89	67.196284	0	-2.69705
9/5/2022 11:00	9/5/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.72	53.474185	0	-2.243315
9/5/2022 12:00	9/5/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.74	55.345692	0	-2.390975
9/5/2022 13:00	9/5/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.8	61.878144	0	-2.926023
9/5/2022 14:00	9/5/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.12	70.361722	0.086552	-3.84733
9/5/2022 15:00	9/5/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.17	94.352026	0	-5.818808
9/5/2022 16:00	9/5/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.77	91.943558	0	-5.827275
9/5/2022 17:00	9/5/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.61	87.591521	-0.018771	-6.000541
9/5/2022 18:00	9/5/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.43	80.487271	-15.533576	-6.407487
9/5/2022 19:00	9/5/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.85	79.158866	-2.583912	-5.108888
9/5/2022 20:00	9/5/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.58	93.429204	-2.352219	-5.795244
9/5/2022 21:00	9/5/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.68	92.398815	-3.633379	-5.650306
9/5/2022 22:00	9/5/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.89	81.115213	-1.365096	-4.413858
9/5/2022 23:00	9/5/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.39	89.472891	-0.019975	-4.900468
9/6/2022 0:00	9/5/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.83	82.420308	0	-4.407192
9/6/2022 1:00	9/5/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.43	71.988702	0	-3.437965
9/6/2022 2:00	9/5/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.9	64.842155	-0.026944	-3.028401
9/6/2022 3:00	9/5/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.68	70.059024	-0.122393	-3.496083
9/6/2022 4:00	9/6/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.25	74.47205	-0.764385	-4.011065
9/6/2022 5:00	9/6/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.25	61.559328	-0.580663	-3.114176
9/6/2022 6:00	9/6/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.81	57.699233	-0.281561	-2.832539
9/6/2022 7:00	9/6/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.25	57.433873	-0.004781	-2.813847
9/6/2022 8:00	9/6/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.01	64.848814	0	-3.16202
9/6/2022 9:00	9/6/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.85	83.915672	0	-3.930161
9/6/2022 10:00	9/6/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.51	102.23	0	-4.275834
9/6/2022 11:00	9/6/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.64	98.625077	-0.003594	-4.010496
9/6/2022 12:00	9/6/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.29	85.179622	0	-3.114545
9/6/2022 13:00	9/6/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.94	83.539459	0	-2.401374
9/6/2022 14:00	9/6/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.98	83.596085	0.125075	-1.512323
9/6/2022 15:00	9/6/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.3	103.080108	1.989635	-1.204526
9/6/2022 16:00	9/6/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.01	98.769476	1.5395	-0.775024
9/6/2022 17:00	9/6/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.39	104.112657	2.194316	-0.474159
9/6/2022 18:00	9/6/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.75	111.624382	2.192721	-0.314173
9/6/2022 19:00	9/6/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	154.75	151.838511	-2.478852	-0.429304
9/6/2022 20:00	9/6/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	141.04	126.301828	-13.822442	-0.917397
9/6/2022 21:00	9/6/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	153.95	138.454012	-14.02846	-1.466695
9/6/2022 22:00	9/6/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	134.33	131.827776	-1.823104	-0.681621
9/6/2022 23:00	9/6/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.43	111.522252	-23.484185	-0.42273
9/7/2022 0:00	9/6/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.88	122.506201	-2.850795	-0.523005
9/7/2022 1:00	9/6/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.25	77.886799	0.030778	-0.39398
9/7/2022 2:00	9/6/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.25	79.66352	1.093677	-0.679323
9/7/2022 3:00	9/6/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.52	74.301858	0.549941	-0.763917
9/7/2022 4:00	9/7/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.35	72.239689	0	-1.113644
9/7/2022 5:00	9/7/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.14	80.810198	0	-1.326469
9/7/2022 6:00	9/7/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.1	55.157233	0	-0.941101
9/7/2022 7:00	9/7/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.82	54.869976	0	-0.950857
9/7/2022 8:00	9/7/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.1	56.035699	0	-1.060968
9/7/2022 9:00	9/7/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.19	64.854865	0	-1.333468
9/7/2022 10:00	9/7/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.86	99.112629	0.509218	-2.256589
9/7/2022 11:00	9/7/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.19	78.622766	0.078135	-1.648703
9/7/2022 12:00	9/7/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.04	74.944252	0.045236	-1.139317
9/7/2022 13:00	9/7/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.61	74.130803	0.165036	-0.643399
9/7/2022 14:00	9/7/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.12	80.283351	1.255491	-0.08714
9/7/2022 15:00	9/7/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.31	82.897943	1.15946	0.427651
9/7/2022 16:00	9/7/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.33	96.694579	2.59086	0.769552
9/7/2022 17:00	9/7/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.1	101.601953	3.179412	1.323374
9/7/2022 18:00	9/7/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.97	103.748107	3.621841	2.152932
9/7/2022 19:00	9/7/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.15	124.401232	5.612593	2.641972

9/7/2022 20:00	9/7/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.78	138.795249	8.116391	2.895524
9/7/2022 21:00	9/7/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.74	119.650754	5.089992	1.824929
9/7/2022 22:00	9/7/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.49	143.533652	9.732427	2.314558
9/7/2022 23:00	9/7/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.85	100.333311	4.10826	1.379217
9/8/2022 0:00	9/7/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.5	90.433319	1.208876	0.724443
9/8/2022 1:00	9/7/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.2	82.169603	-0.026411	-0.003152
9/8/2022 2:00	9/7/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.89	78.608279	0.975105	-0.255159
9/8/2022 3:00	9/7/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.31	68.438182	0.661387	-0.530705
9/8/2022 4:00	9/8/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.02	59.03361	0.082689	-1.064913
9/8/2022 5:00	9/8/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.44	73.675834	0	-0.766666
9/8/2022 6:00	9/8/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.76	55.162628	0	-0.592373
9/8/2022 7:00	9/8/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.07	54.381554	0	-0.692613
9/8/2022 8:00	9/8/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.38	54.663995	0	-0.713505
9/8/2022 9:00	9/8/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.34	69.343573	0	-0.995594
9/8/2022 10:00	9/8/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.18	92.037295	1.142562	-1.280267
9/8/2022 11:00	9/8/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.62	82.710007	0.238368	-1.150028
9/8/2022 12:00	9/8/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.25	69.819456	0.254971	-0.689681
9/8/2022 13:00	9/8/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.06	78.844654	1.080844	-0.29369
9/8/2022 14:00	9/8/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.69	75.094911	1.318623	0.088788
9/8/2022 15:00	9/8/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.05	85.200818	1.839995	0.314156
9/8/2022 16:00	9/8/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.92	77.485923	1.116821	0.449936
9/8/2022 17:00	9/8/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.24	95.149393	1.601486	1.310407
9/8/2022 18:00	9/8/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.68	123.898935	4.843387	2.372215
9/8/2022 19:00	9/8/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.07	115.340702	5.79359	2.480445
9/8/2022 20:00	9/8/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	143.01	155.951522	9.680439	3.26025
9/8/2022 21:00	9/8/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	133.89	145.307367	8.624177	2.796524
9/8/2022 22:00	9/8/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.7	114.312419	6.063771	2.552814
9/8/2022 23:00	9/8/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.33	99.451452	2.1326	1.988019
9/9/2022 0:00	9/8/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.86	98.128251	2.641082	1.632169
9/9/2022 1:00	9/8/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.66	81.067032	0.937084	1.471614
9/9/2022 2:00	9/8/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.04	88.0193	1.009862	0.971938
9/9/2022 3:00	9/8/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.06	83.520533	0.094244	0.362123
9/9/2022 4:00	9/9/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.22	51.597916	0	-0.622084
9/9/2022 5:00	9/9/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.92	51.159957	0	-0.763377
9/9/2022 6:00	9/9/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.96	51.195138	0	-0.759862
9/9/2022 7:00	9/9/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.04	49.181472	0	-0.861861
9/9/2022 8:00	9/9/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.32	48.320899	0	-0.997434
9/9/2022 9:00	9/9/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.45	52.447021	0	-0.997979
9/9/2022 10:00	9/9/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.12	59.284763	0.055775	-0.891012
9/9/2022 11:00	9/9/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.1	65.509807	0.049404	-0.637097
9/9/2022 12:00	9/9/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.93	54.48416	0.008207	-0.454047
9/9/2022 13:00	9/9/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.17	68.491088	0.855223	0.461699
9/9/2022 14:00	9/9/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.69	96.434019	7.560025	1.184828
9/9/2022 15:00	9/9/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.25	100.864444	6.005239	1.605038
9/9/2022 16:00	9/9/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.48	89.679748	3.744001	1.457414
9/9/2022 17:00	9/9/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.48	102.10183	5.992873	1.630624
9/9/2022 18:00	9/9/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97	103.726958	5.493874	1.231418
9/9/2022 19:00	9/9/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.33	119.379404	3.991791	1.053446
9/9/2022 20:00	9/9/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	160.48	168.68574	6.330693	1.874214
9/9/2022 21:00	9/9/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	145.87	152.45041	5.303127	1.273949
9/9/2022 22:00	9/9/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.71	119.373769	6.375457	1.291645
9/9/2022 23:00	9/9/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.98	111.876486	6.40364	1.488679
9/10/2022 0:00	9/9/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.86	96.322656	5.352148	1.115507
9/10/2022 1:00	9/9/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.03	89.252812	4.376196	0.843283
9/10/2022 2:00	9/9/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.44	98.036196	3.028528	0.571001
9/10/2022 3:00	9/9/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.85	72.328281	0.611173	-0.137059
9/10/2022 4:00	9/10/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.83	61.68607	0.261539	-0.400469
9/10/2022 5:00	9/10/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.09	72.936501	1.215338	-0.371337
9/10/2022 6:00	9/10/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.51	59.45283	0.162752	-0.221588
9/10/2022 7:00	9/10/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.69	53.354395	0	-0.333939
9/10/2022 8:00	9/10/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.39	58.293374	0	-0.09746
9/10/2022 9:00	9/10/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.7	63.773735	0.077935	-0.000867
9/10/2022 10:00	9/10/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.05	68.351663	0.421443	-0.11478
9/10/2022 11:00	9/10/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.37	52.202488	0	-0.167512
9/10/2022 12:00	9/10/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.09	66.237976	1.385071	-0.233761
9/10/2022 13:00	9/10/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.16	68.485084	1.722699	-0.393448
9/10/2022 14:00	9/10/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.56	67.292576	1.479844	0.256899
9/10/2022 15:00	9/10/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.15	122.638766	9.355834	1.135432
9/10/2022 16:00	9/10/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.09	102.640921	6.084146	1.466775
9/10/2022 17:00	9/10/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.87	114.030392	7.288066	1.875659
9/10/2022 18:00	9/10/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.71	134.218816	5.020085	1.488731
9/10/2022 19:00	9/10/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.21	127.833685	1.797421	0.827931
9/10/2022 20:00	9/10/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.46	114.487131	0.14815	0.880649
9/10/2022 21:00	9/10/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.58	104.469293	1.182488	0.710138
9/10/2022 22:00	9/10/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.78	108.236465	-4.105444	1.566076
9/10/2022 23:00	9/10/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.09	111.815828	0.345224	1.381438
9/11/2022 0:00	9/10/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.18	99.648462	1.670181	0.799114
9/11/2022 1:00	9/10/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.68	112.04434	5.566549	0.801957
9/11/2022 2:00	9/10/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.23	73.840568	0.399106	0.208128
9/11/2022 3:00	9/10/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.28	103.949826	0	-0.325174
9/11/2022 4:00	9/11/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.82	73.740084	0	-1.082416
9/11/2022 5:00	9/11/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.94	61.979603	0	-0.959564
9/11/2022 6:00	9/11/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.38	61.565995	0.015146	-0.824151
9/11/2022 7:00	9/11/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.37	85.566443	0	-0.806057
9/11/2022 8:00	9/11/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.75	54.037896	0.020267	-0.736538
9/11/2022 9:00	9/11/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.68	69.810961	0	-0.869039
9/11/2022 10:00	9/11/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.9	62.021787	0.019242	-0.892455
9/11/2022 11:00	9/11/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.56	54.683978	0.028934	-0.90079
9/11/2022 12:00	9/11/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.81	56.545176	-0.071942	-1.189549
9/11/2022 13:00	9/11/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.73	54.423276	0	-1.302558
9/11/2022 14:00	9/11/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.77	61.202938	0.036872	-1.600601
9/11/2022 15:00	9/11/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.6	67.634995	0.893207	-1.856546
9/11/2022 16:00	9/11/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88	90.257856	4.970675	-2.710318
9/11/2022 17:00	9/11/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.32	73.918282	2.168204	-2.568256
9/11/2022 18:00	9/11/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.88	72.956446	3.010534	-2.934921
9/11/2022 19:00	9/11/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.38	76.629952	4.32257	-3.076785
9/11/2022 20:00	9/11/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.54	104.554044	24.270016	-3.257639
9/11/2022 21:00	9/11/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	219.64	233.380892	23.443776	-9.703718
9/11/2022 22:00	9/11/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	120.91	125.420317	10.078515	-5.568198
9/11/2022 23:00	9/11/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	139.1	126.538898	-5.660732	-6.896204
9/12/2022 0:00	9/11/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.57	98.244239	2.28333	-4.606592
9/12/2022 1:00	9/11/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.96	68.676672	0.89176	-3.170088
9/12/2022 2:00	9/11/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.05	64.697505	-0.192062	-3.1571
9/12/2022 3:00	9/11/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	120.14	114.35679	0	-5.78071
9/12/2022 4:00	9/12/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.91	49.350278	0.0003	-2.559189
9/12/2022 5:00	9/12/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.71	57.834215	0.002654	-2.880105
9/12/2022 6:00	9/12/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.26	48.827348	0.000302	-2.431288

9/12/2022 7:00	9/12/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.73	52.316117	0	-2.408883
9/12/2022 8:00	9/12/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.71	54.203702	0.000012	-2.504644
9/12/2022 9:00	9/12/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.71	61.728523	0.003102	-2.979579
9/12/2022 10:00	9/12/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.02	76.580329	0.013562	-3.451566
9/12/2022 11:00	9/12/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.51	66.640396	-0.911376	-2.956562
9/12/2022 12:00	9/12/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.39	68.945466	-4.058537	-3.385164
9/12/2022 13:00	9/12/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.27	91.216603	-21.397248	-5.654483
9/12/2022 14:00	9/12/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.49	68.953728	-0.930055	-3.607884
9/12/2022 15:00	9/12/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.06	87.092884	3.476888	-4.439004
9/12/2022 16:00	9/12/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126.03	126.537991	8.228378	-7.722887
9/12/2022 17:00	9/12/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	148.18	106.591419	-29.847566	-11.739349
9/12/2022 18:00	9/12/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	179.82	89.344586	-74.873775	-15.605806
9/12/2022 19:00	9/12/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	217.43	77.708045	-121.334948	-18.387008
9/12/2022 20:00	9/12/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	179.98	91.134324	-73.98103	-14.860479
9/12/2022 21:00	9/12/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	186.05	75.763694	-95.00664	-15.277166
9/12/2022 22:00	9/12/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.81	57.52083	-63.855754	-9.436749
9/12/2022 23:00	9/12/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	165.92	108.241503	-47.326771	-10.351726
9/13/2022 0:00	9/12/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.34	89.406562	-12.477411	-6.458527
9/13/2022 1:00	9/12/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.53	86.844321	-2.198785	-5.491061
9/13/2022 2:00	9/12/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.86	87.115874	-0.782102	-4.962857
9/13/2022 3:00	9/12/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.17	78.269799	0	-3.899368
9/13/2022 4:00	9/13/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.74	58.140141	0	-2.595692
9/13/2022 5:00	9/13/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.67	87.776156	0	-2.897177
9/13/2022 6:00	9/13/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.96	61.291793	0	-1.67154
9/13/2022 7:00	9/13/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.09	54.515205	0	-1.573129
9/13/2022 8:00	9/13/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.38	55.869851	0	-1.505983
9/13/2022 9:00	9/13/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.88	96.641269	0.00881	-2.245874
9/13/2022 10:00	9/13/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.73	96.966485	0	-2.764348
9/13/2022 11:00	9/13/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.49	71.538063	0	-1.948604
9/13/2022 12:00	9/13/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.57	73.465875	0	-2.099958
9/13/2022 13:00	9/13/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.02	77.813907	0.48953	-1.698123
9/13/2022 14:00	9/13/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.38	78.268841	0.016469	-1.129294
9/13/2022 15:00	9/13/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.51	80.006564	0.011831	-1.5186
9/13/2022 16:00	9/13/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.66	86.386341	0.629677	-1.905836
9/13/2022 17:00	9/13/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.6	95.205026	0.777999	-2.167973
9/13/2022 18:00	9/13/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.6	93.378702	-1.855369	-2.370096
9/13/2022 19:00	9/13/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.27	103.181062	0.903002	-2.98944
9/13/2022 20:00	9/13/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.8	92.423916	0.675261	-3.048012
9/13/2022 21:00	9/13/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	179.01	154.858365	-17.925136	-6.229832
9/13/2022 22:00	9/13/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.63	122.449423	1.277211	-3.459454
9/13/2022 23:00	9/13/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.37	95.37974	2.710568	-1.695828
9/14/2022 0:00	9/13/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.14	89.860992	2.467673	-0.748348
9/14/2022 1:00	9/13/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.47	77.004923	1.620097	-0.083508
9/14/2022 2:00	9/13/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.02	70.467299	1.212687	0.236279
9/14/2022 3:00	9/13/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.86	57.924154	0	0.064154
9/14/2022 4:00	9/14/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.87	54.807792	0.055583	-0.115292
9/14/2022 5:00	9/14/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.47	50.237448	0.031959	-0.263677
9/14/2022 6:00	9/14/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.45	55.562381	0.101149	0.015399
9/14/2022 7:00	9/14/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.15	50.972733	0.038787	-0.218554
9/14/2022 8:00	9/14/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.43	51.186752	0.044222	-0.291636
9/14/2022 9:00	9/14/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.49	90.35079	2.363596	-0.497806
9/14/2022 10:00	9/14/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.73	98.896063	3.27133	-1.109433
9/14/2022 11:00	9/14/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.71	73.307728	1.355889	-0.753994
9/14/2022 12:00	9/14/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.97	65.372525	1.032567	-0.625042
9/14/2022 13:00	9/14/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.54	65.006106	1.022299	-0.55286
9/14/2022 14:00	9/14/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.22	73.436962	1.427552	-0.208924
9/14/2022 15:00	9/14/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.11	80.006039	1.746989	0.15405
9/14/2022 16:00	9/14/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.8	76.298812	1.500828	-0.004516
9/14/2022 17:00	9/14/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.63	83.508395	1.949405	-0.074343
9/14/2022 18:00	9/14/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.1	84.934103	2.149971	-0.319201
9/14/2022 19:00	9/14/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.86	99.973134	3.696459	-0.584158
9/14/2022 20:00	9/14/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.31	101.766728	4.068616	-0.606889
9/14/2022 21:00	9/14/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	152.16	144.89884	-5.86689	-1.39677
9/14/2022 22:00	9/14/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.61	117.505013	2.220418	-1.323739
9/14/2022 23:00	9/14/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.73	95.297061	3.739329	-1.169769
9/15/2022 0:00	9/14/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.07	94.051282	3.319484	-0.336535
9/15/2022 1:00	9/14/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.27	90.614823	2.254679	0.093477
9/15/2022 2:00	9/14/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.2	80.78183	0.049022	-0.468859
9/15/2022 3:00	9/14/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.73	82.505627	0.517752	-0.742959
9/15/2022 4:00	9/15/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.8	55.965676	-0.104265	-0.730059
9/15/2022 5:00	9/15/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.67	62.534713	0.315871	-0.453659
9/15/2022 6:00	9/15/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.61	56.487642	0.111809	-0.235
9/15/2022 7:00	9/15/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.39	55.160893	-0.045807	-0.179967
9/15/2022 8:00	9/15/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.7	56.155841	2.707841	-0.250333
9/15/2022 9:00	9/15/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.92	69.391013	5.911099	-0.442586
9/15/2022 10:00	9/15/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.48	77.7919	0.983251	-0.673018
9/15/2022 11:00	9/15/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.81	75.726007	1.258914	-0.342907
9/15/2022 12:00	9/15/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.59	61.927894	1.70803	-0.366802
9/15/2022 13:00	9/15/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.67	70.454839	0.811272	-0.029768
9/15/2022 14:00	9/15/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.65	76.439854	1.613121	0.174233
9/15/2022 15:00	9/15/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.04	79.419123	1.959069	0.423387
9/15/2022 16:00	9/15/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.13	85.112975	2.393865	0.58911
9/15/2022 17:00	9/15/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.52	90.243518	0.912299	0.814553
9/15/2022 18:00	9/15/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	138.87	128.513743	-11.694663	1.340072
9/15/2022 19:00	9/15/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.27	100.086744	-16.545811	0.360055
9/15/2022 20:00	9/15/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	120.62	105.436897	-15.296808	0.115371
9/15/2022 21:00	9/15/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.62	110.266875	-18.386106	0.036314
9/15/2022 22:00	9/15/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.38	103.490461	-15.88997	0.003764
9/15/2022 23:00	9/15/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.79	101.483032	3.252169	0.443363
9/16/2022 0:00	9/15/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.07	111.198881	5.116432	1.010782
9/16/2022 1:00	9/15/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.2	80.750645	1.929599	0.623546
9/16/2022 2:00	9/15/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.73	72.415766	2.503577	0.183022
9/16/2022 3:00	9/15/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.45	59.933762	0.695829	-0.216234
9/16/2022 4:00	9/16/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.23	52.127889	0.273708	-0.373319
9/16/2022 5:00	9/16/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.16	51.213418	4.540437	-0.490353
9/16/2022 6:00	9/16/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.56	50.347326	2.060189	-0.27203
9/16/2022 7:00	9/16/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.75	48.773623	1.219922	-0.1938
9/16/2022 8:00	9/16/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.37	48.409247	0.174623	-0.138709
9/16/2022 9:00	9/16/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.63	51.441766	-0.102113	-0.088621
9/16/2022 10:00	9/16/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.82	72.227768	0.595887	-0.190619
9/16/2022 11:00	9/16/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.8	77.604816	0.940134	-0.130318
9/16/2022 12:00	9/16/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.58	55.848793	0.13157	0.137223
9/16/2022 13:00	9/16/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.71	64.80824	1.669309	0.433097
9/16/2022 14:00	9/16/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.06	75.648439	3.359202	1.23007
9/16/2022 15:00	9/16/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.26	84.915056	3.739738	1.915318
9/16/2022 16:00	9/16/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.01	83.255863	3.223388	2.022475
9/16/2022 17:00	9/16/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.55	94.373642	5.454269	2.374373

9/16/2022 18:00	9/16/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.19	121.955867	8.599702	2.167832
9/16/2022 19:00	9/16/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.18	98.465261	-1.995612	1.277539
9/16/2022 20:00	9/16/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.55	109.375341	-8.684125	1.5053
9/16/2022 21:00	9/16/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.21	110.216591	-7.898406	0.904164
9/16/2022 22:00	9/16/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.16	91.983211	4.271809	0.556402
9/16/2022 23:00	9/16/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.85	83.523148	0.38812	0.281695
9/17/2022 0:00	9/16/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.38	79.445823	4.059653	0.010337
9/17/2022 1:00	9/16/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.7	71.395167	1.743331	-0.050664
9/17/2022 2:00	9/16/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.87	68.171135	1.585529	-0.286894
9/17/2022 3:00	9/16/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.99	55.531776	-0.924597	-0.533627
9/17/2022 4:00	9/17/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.17	55.207929	-2.288687	-0.675884
9/17/2022 5:00	9/17/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.07	59.442314	-0.868108	-0.762911
9/17/2022 6:00	9/17/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.09	47.279019	-2.11339	-0.700091
9/17/2022 7:00	9/17/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.39	46.171948	-1.463226	-0.75566
9/17/2022 8:00	9/17/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.01	47.141797	-1.132996	-0.73104
9/17/2022 9:00	9/17/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.01	46.586777	-1.58683	-0.837226
9/17/2022 10:00	9/17/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.59	50.047726	-0.707199	-0.839242
9/17/2022 11:00	9/17/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.86	50.025628	0	-0.833538
9/17/2022 12:00	9/17/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.58	51.202413	2.59453	-0.97045
9/17/2022 13:00	9/17/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.18	52.476914	-0.855432	-0.85182
9/17/2022 14:00	9/17/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.68	55.458114	-0.715673	-0.503714
9/17/2022 15:00	9/17/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.14	61.250274	-0.560139	-0.324587
9/17/2022 16:00	9/17/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.2	64.350526	0.450257	-0.303065
9/17/2022 17:00	9/17/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.72	71.209757	1.735341	-0.245584
9/17/2022 18:00	9/17/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.17	83.750893	4.063777	-0.477884
9/17/2022 19:00	9/17/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.79	95.045884	4.241411	-0.987194
9/17/2022 20:00	9/17/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.47	89.956622	3.624838	-1.134049
9/17/2022 21:00	9/17/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	127.22	117.633824	-7.82381	-1.759866
9/17/2022 22:00	9/17/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.41	96.615284	5.110933	-0.907316
9/17/2022 23:00	9/17/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.76	76.188777	3.204039	-0.778595
9/18/2022 0:00	9/17/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.95	84.772704	1.856172	-1.030968
9/18/2022 1:00	9/17/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.66	61.309483	0.734658	-1.083509
9/18/2022 2:00	9/17/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.93	59.556739	0	-1.375761
9/18/2022 3:00	9/17/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.49	52.885145	0	-1.600688
9/18/2022 4:00	9/18/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.09	50.55095	-0.002459	-1.540758
9/18/2022 5:00	9/18/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.19	50.03166	0	-1.15834
9/18/2022 6:00	9/18/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.7	47.844538	0	-0.856295
9/18/2022 7:00	9/18/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.96	45.056027	0	-0.898973
9/18/2022 8:00	9/18/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.76	42.822374	0	-0.932626
9/18/2022 9:00	9/18/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.36	41.201827	0	-1.159006
9/18/2022 10:00	9/18/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.89	41.690527	0	-1.201139
9/18/2022 11:00	9/18/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.81	43.885234	0	-0.928933
9/18/2022 12:00	9/18/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.11	45.199875	0	-0.905958
9/18/2022 13:00	9/18/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.47	46.697839	0	-0.770495
9/18/2022 14:00	9/18/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.62	54.897657	0.825914	-0.544091
9/18/2022 15:00	9/18/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.49	63.331502	1.884513	-0.041343
9/18/2022 16:00	9/18/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.28	73.599097	1.935696	0.384234
9/18/2022 17:00	9/18/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.26	83.770148	1.063878	0.447936
9/18/2022 18:00	9/18/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.01	97.856394	1.045001	-0.200274
9/18/2022 19:00	9/18/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.47	116.674759	-2.046052	-0.750022
9/18/2022 20:00	9/18/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.81	107.65388	-2.464716	-1.693904
9/18/2022 21:00	9/18/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	172.27	156.172746	-13.227433	-2.872321
9/18/2022 22:00	9/18/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	129.77	120.041966	-7.645555	-2.084146
9/18/2022 23:00	9/18/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.19	96.216052	5.296688	-1.268969
9/19/2022 0:00	9/18/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.49	97.733397	6.64431	-0.40508
9/19/2022 1:00	9/18/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.71	78.266167	4.320288	-0.767454
9/19/2022 2:00	9/18/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.53	78.18184	3.654505	-0.998499
9/19/2022 3:00	9/18/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.12	57.281736	-0.016347	-0.821917
9/19/2022 4:00	9/19/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.18	48.481403	0	-0.699431
9/19/2022 5:00	9/19/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.54	51.122223	0	-0.417777
9/19/2022 6:00	9/19/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.12	49.11497	0	-0.000864
9/19/2022 7:00	9/19/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.26	48.274486	0	0.014486
9/19/2022 8:00	9/19/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.96	47.775611	0	-0.185223
9/19/2022 9:00	9/19/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.77	54.516775	6.97506	-0.224951
9/19/2022 10:00	9/19/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.08	107.936752	18.203117	-0.344698
9/19/2022 11:00	9/19/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.63	72.22682	4.353649	0.242337
9/19/2022 12:00	9/19/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.26	69.803006	2.949949	0.596391
9/19/2022 13:00	9/19/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.38	75.762951	2.522065	0.857553
9/19/2022 14:00	9/19/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.3	76.18365	0.37269	0.50846
9/19/2022 15:00	9/19/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.8	84.991814	-7.7061	0.895414
9/19/2022 16:00	9/19/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	123.69	105.7407	-18.072207	0.12624
9/19/2022 17:00	9/19/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.61	87.2434	-17.548168	-0.816765
9/19/2022 18:00	9/19/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.66	91.881949	-10.941888	-0.836996
9/19/2022 19:00	9/19/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.24	98.371253	3.125318	-0.991564
9/19/2022 20:00	9/19/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.6	120.84266	-0.238633	-1.522874
9/19/2022 21:00	9/19/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	156.05	158.349543	5.143129	-2.84442
9/19/2022 22:00	9/19/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.1	117.047773	3.802295	-1.858688
9/19/2022 23:00	9/19/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.15	96.996285	3.844681	-0.996729
9/20/2022 0:00	9/19/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.87	85.420648	3.212231	-0.659083
9/20/2022 1:00	9/19/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.89	76.333781	3.199636	-0.753355
9/20/2022 2:00	9/19/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.9	70.062459	2.626808	-0.465182
9/20/2022 3:00	9/19/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.92	62.993	1.535933	-0.465433
9/20/2022 4:00	9/20/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.12	51.504574	-0.024569	-0.587524
9/20/2022 5:00	9/20/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.07	51.079146	0.180945	-0.1743
9/20/2022 6:00	9/20/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.94	50.074446	0.221801	-0.089855
9/20/2022 7:00	9/20/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.29	42.597043	-1.372652	-0.315306
9/20/2022 8:00	9/20/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.4	45.115718	-0.966722	-0.316727
9/20/2022 9:00	9/20/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.15	58.155148	0.542269	-0.537954
9/20/2022 10:00	9/20/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.15	70.031199	2.157126	-1.275094
9/20/2022 11:00	9/20/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.77	83.775088	3.498603	-1.490183
9/20/2022 12:00	9/20/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.2	58.597101	1.424248	-1.023814
9/20/2022 13:00	9/20/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.02	85.818796	6.894217	-1.091253
9/20/2022 14:00	9/20/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.18	84.319849	-7.456859	-1.405792
9/20/2022 15:00	9/20/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	103.45	87.322681	-15.034655	-1.090997
9/20/2022 16:00	9/20/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.08	103.079961	-12.647994	-1.349545
9/20/2022 17:00	9/20/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.09	107.106885	-3.542443	-1.436505
9/20/2022 18:00	9/20/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.17	118.430899	-1.049328	-2.688939
9/20/2022 19:00	9/20/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.08	104.80349	-17.041902	-3.233774
9/20/2022 20:00	9/20/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	128.17	106.101034	-18.828285	-3.239015
9/20/2022 21:00	9/20/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	158.46	149.716705	-6.140126	-2.603169
9/20/2022 22:00	9/20/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	145.38	135.368817	-7.844911	-2.166273
9/20/2022 23:00	9/20/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.5	91.549586	-17.438479	-1.514435
9/21/2022 0:00	9/20/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.56	83.314085	1.623703	-0.873785
9/21/2022 1:00	9/20/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.19	74.869111	3.907011	-0.232067
9/21/2022 2:00	9/20/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.75	58.37279	1.677878	-0.055922
9/21/2022 3:00	9/20/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.22	48.53068	0.6751	-0.36692
9/21/2022 4:00	9/21/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.09	47.456672	0.922255	-0.556416

9/21/2022 5:00	9/21/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.67	44.955534	-0.285095	-0.428538
9/21/2022 6:00	9/21/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.28	41.368419	-0.425041	-0.484873
9/21/2022 7:00	9/21/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.65	40.719096	-0.501548	-0.426856
9/21/2022 8:00	9/21/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.98	42.023575	-0.684583	-0.266841
9/21/2022 9:00	9/21/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.32	46.270639	-0.716805	-0.329223
9/21/2022 10:00	9/21/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.59	59.059416	0.074415	-0.600833
9/21/2022 11:00	9/21/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.2	74.46153	2.833762	-0.568899
9/21/2022 12:00	9/21/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.44	56.909074	0.835946	-0.362705
9/21/2022 13:00	9/21/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.83	86.574488	4.497554	0.246934
9/21/2022 14:00	9/21/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.26	123.578583	10.674222	0.640195
9/21/2022 15:00	9/21/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.55	87.270492	4.15961	0.565882
9/21/2022 16:00	9/21/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.37	93.106718	-14.096951	-0.161331
9/21/2022 17:00	9/21/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.37	110.877866	-12.893601	-0.593533
9/21/2022 18:00	9/21/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.76	102.579015	-7.550871	-1.630947
9/21/2022 19:00	9/21/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	153.42	170.244731	19.36152	-2.535956
9/21/2022 20:00	9/21/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	257.99	265.710791	13.053143	-5.333185
9/21/2022 21:00	9/21/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	237.4	247.999023	16.938671	-6.343814
9/21/2022 22:00	9/21/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.01	123.063364	13.065596	-4.015566
9/21/2022 23:00	9/21/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.02	97.528878	10.596337	-3.090792
9/22/2022 0:00	9/21/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.11	89.672377	6.362968	-2.798091
9/22/2022 1:00	9/21/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.23	81.703288	2.599905	-2.130784
9/22/2022 2:00	9/21/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.29	65.620408	3.010961	-1.679719
9/22/2022 3:00	9/21/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.23	65.363396	1.48058	-1.343852
9/22/2022 4:00	9/22/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.34	53.90143	-0.353551	-1.086685
9/22/2022 5:00	9/22/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.29	59.341117	1.195207	-1.139924
9/22/2022 6:00	9/22/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.52	52.704999	1.401638	-1.218306
9/22/2022 7:00	9/22/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.58	45.547799	0.43578	-1.470481
9/22/2022 8:00	9/22/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.49	47.476519	0.576249	-1.591397
9/22/2022 9:00	9/22/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.22	63.576747	2.413138	-2.053891
9/22/2022 10:00	9/22/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.99	110.420337	5.533406	-4.104736
9/22/2022 11:00	9/22/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.67	86.68687	3.362914	-3.341044
9/22/2022 12:00	9/22/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.85	61.650039	2.142398	-2.339859
9/22/2022 13:00	9/22/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.39	59.573514	1.93635	-2.753669
9/22/2022 14:00	9/22/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.01	69.31403	1.569948	-4.269251
9/22/2022 15:00	9/22/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.76	67.526338	-2.925917	-5.303579
9/22/2022 16:00	9/22/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.99	50.394854	-17.732646	-4.865833
9/22/2022 17:00	9/22/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.76	50.642484	-5.727858	-3.385492
9/22/2022 18:00	9/22/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.94	55.961221	-3.741566	-3.234712
9/22/2022 19:00	9/22/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.99	50.169894	-17.238278	-3.585995
9/22/2022 20:00	9/22/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.37	48.271762	-24.219206	-3.879032
9/22/2022 21:00	9/22/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67	53.097398	-10.677654	-3.219949
9/22/2022 22:00	9/22/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.05	58.389099	2.589057	-2.249958
9/22/2022 23:00	9/22/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.27	74.946562	4.92374	-2.247178
9/23/2022 0:00	9/22/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.37	61.803868	2.908615	-1.478914
9/23/2022 1:00	9/22/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.57	61.444861	3.105309	-1.232948
9/23/2022 2:00	9/22/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55	57.275873	3.113632	-0.832759
9/23/2022 3:00	9/22/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.61	46.369044	1.387631	-0.626921
9/23/2022 4:00	9/23/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.02	44.694729	1.181627	-0.510231
9/23/2022 5:00	9/23/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41	41.046814	0.456021	-0.406707
9/23/2022 6:00	9/23/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.57	40.149016	0.938943	-0.364093
9/23/2022 7:00	9/23/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.13	39.522325	0.743029	-0.349871
9/23/2022 8:00	9/23/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.28	37.231213	2.19513	-0.247249
9/23/2022 9:00	9/23/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.92	42.490636	3.682757	-0.107121
9/23/2022 10:00	9/23/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.43	65.721352	4.457065	-0.164046
9/23/2022 11:00	9/23/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.25	51.284825	0.130839	-0.097681
9/23/2022 12:00	9/23/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.76	44.988862	0.143366	0.085497
9/23/2022 13:00	9/23/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.16	43.705355	0.089292	0.456063
9/23/2022 14:00	9/23/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.08	47.81018	1.053477	0.681703
9/23/2022 15:00	9/23/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.28	44.785107	0.953661	0.555612
9/23/2022 16:00	9/23/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.55	53.430386	3.074477	0.808409
9/23/2022 17:00	9/23/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.52	48.382298	3.174052	0.684079
9/23/2022 18:00	9/23/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.21	47.095423	4.275448	0.609141
9/23/2022 19:00	9/23/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.16	45.728843	4.177953	0.39339
9/23/2022 20:00	9/23/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.78	45.413522	-2.730685	0.361707
9/23/2022 21:00	9/23/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.55	42.554282	-3.176223	0.178005
9/23/2022 22:00	9/23/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.97	51.812893	-0.173973	0.0177
9/23/2022 23:00	9/23/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.71	55.748539	1.032283	0.007089
9/24/2022 0:00	9/23/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.96	47.459646	1.29688	0.206932
9/24/2022 1:00	9/23/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.78	52.200541	1.997637	0.424571
9/24/2022 2:00	9/23/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.16	51.97922	1.326407	0.490313
9/24/2022 3:00	9/23/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.96	45.93422	0.195446	0.782107
9/24/2022 4:00	9/24/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.43	46.756734	0.739122	0.585945
9/24/2022 5:00	9/24/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.3	78.838778	2.62023	0.918548
9/24/2022 6:00	9/24/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.37	40.758054	-0.061221	0.446775
9/24/2022 7:00	9/24/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.11	40.284799	-0.060606	0.235405
9/24/2022 8:00	9/24/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.84	39.971645	-0.069145	0.204957
9/24/2022 9:00	9/24/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.51	38.525745	-0.057343	0.077255
9/24/2022 10:00	9/24/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.9	45.90222	-0.188162	0.189548
9/24/2022 11:00	9/24/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.06	56.152332	-0.272599	0.364931
9/24/2022 12:00	9/24/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.18	49.333158	-0.159714	0.317038
9/24/2022 13:00	9/24/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.08	48.01062	0.3287	0.603587
9/24/2022 14:00	9/24/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.02	37.010048	0.371331	0.621216
9/24/2022 15:00	9/24/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.86	43.910108	1.87563	1.175312
9/24/2022 16:00	9/24/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.45	39.483878	-1.087523	1.1214
9/24/2022 17:00	9/24/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.63	30.883216	-8.93145	1.182165
9/24/2022 18:00	9/24/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.28	31.068605	-7.252853	1.038959
9/24/2022 19:00	9/24/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.55	31.109798	-1.907806	0.468437
9/24/2022 20:00	9/24/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.84	29.434361	-5.680882	0.280242
9/24/2022 21:00	9/24/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.59	28.684152	-7.126075	0.225228
9/24/2022 22:00	9/24/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.73	34.475944	-20.896866	0.64031
9/24/2022 23:00	9/24/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.32	41.144424	-11.964377	0.787967
9/25/2022 0:00	9/24/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.46	43.594254	-3.512316	0.648237
9/25/2022 1:00	9/24/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.09	45.698144	1.194983	0.418161
9/25/2022 2:00	9/24/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.83	45.225619	2.237051	0.163568
9/25/2022 3:00	9/24/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.25	38.513677	1.251728	0.012783
9/25/2022 4:00	9/25/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.44	28.265788	-0.029757	-0.139455
9/25/2022 5:00	9/25/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.03	26.880914	-0.033459	-0.110627
9/25/2022 6:00	9/25/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.23	26.549872	1.452185	-0.128147
9/25/2022 7:00	9/25/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23.82	28.68712	4.972096	-0.103309
9/25/2022 8:00	9/25/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23.13	28.802544	5.906593	-0.238215
9/25/2022 9:00	9/25/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.87	29.852234	7.248747	-0.26818
9/25/2022 10:00	9/25/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.69	29.401388	5.119678	-0.409957
9/25/2022 11:00	9/25/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.71	30.684296	5.416161	-0.437698
9/25/2022 12:00	9/25/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.25	30.296888	5.50979	-0.462069
9/25/2022 13:00	9/25/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.8	30.485648	0.013693	-0.330545
9/25/2022 14:00	9/25/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.17	32.944009	-0.003525	-0.2183
9/25/2022 15:00	9/25/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.77	33.539722	0	-0.228612

9/25/2022 16:00	9/25/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.56	34.353483	0	-0.20235
9/25/2022 17:00	9/25/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.51	35.329075	0.003289	-0.184215
9/25/2022 18:00	9/25/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.62	37.201152	0.04042	-0.460101
9/25/2022 19:00	9/25/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.93	34.226321	-1.994754	-0.708092
9/25/2022 20:00	9/25/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.78	37.727381	-0.239789	-0.814496
9/25/2022 21:00	9/25/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.35	35.396632	-1.118004	-0.834531
9/25/2022 22:00	9/25/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.51	39.619882	-0.937988	-0.948797
9/25/2022 23:00	9/25/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.62	52.136726	-6.520582	-0.965192
9/26/2022 0:00	9/25/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.87	42.944965	-2.553993	-0.370208
9/26/2022 1:00	9/25/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.2	39.631905	0.809649	-0.37441
9/26/2022 2:00	9/25/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.5	35.674651	-0.369192	-0.454491
9/26/2022 3:00	9/25/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.28	32.813509	-0.811131	-0.655359
9/26/2022 4:00	9/26/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.97	33.641841	-0.567873	-0.759452
9/26/2022 5:00	9/26/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.32	28.309992	-0.592758	-0.421416
9/26/2022 6:00	9/26/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.53	26.809254	-0.472079	-0.246166
9/26/2022 7:00	9/26/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.94	27.242455	-0.397281	-0.295265
9/26/2022 8:00	9/26/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.53	29.002756	-0.063134	-0.46661
9/26/2022 9:00	9/26/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.06	35.33403	0.003199	-0.729169
9/26/2022 10:00	9/26/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.86	45.014131	0.058425	-0.903461
9/26/2022 11:00	9/26/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.82	48.120983	0.004906	-0.707256
9/26/2022 12:00	9/26/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.42	40.929804	0	-0.48603
9/26/2022 13:00	9/26/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.71	46.466573	0.000383	-0.247144
9/26/2022 14:00	9/26/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.84	44.566167	0.037403	-0.311235
9/26/2022 15:00	9/26/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.12	56.671328	3.043039	-0.486711
9/26/2022 16:00	9/26/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.25	56.110948	-4.07579	-1.062428
9/26/2022 17:00	9/26/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.61	47.357251	-9.991958	-1.264957
9/26/2022 18:00	9/26/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.01	47.341566	-8.32707	-1.341365
9/26/2022 19:00	9/26/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.95	50.664678	-2.835732	-1.445423
9/26/2022 20:00	9/26/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.7	45.150082	0.941696	-1.49078
9/26/2022 21:00	9/26/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.39	72.10464	3.368481	-2.655507
9/26/2022 22:00	9/26/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.09	111.693347	9.050209	-3.447695
9/26/2022 23:00	9/26/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	142.3	145.064468	6.704247	-3.942279
9/27/2022 0:00	9/26/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.68	53.295052	1.483195	-0.86481
9/27/2022 1:00	9/26/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.3	45.350657	1.51774	-0.464583
9/27/2022 2:00	9/26/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.85	50.344282	0.883027	-0.392079
9/27/2022 3:00	9/26/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.58	50.739139	0.327996	-0.17219
9/27/2022 4:00	9/27/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.28	40.082275	0.866584	-0.065975
9/27/2022 5:00	9/27/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.59	39.707401	1.023566	0.093002
9/27/2022 6:00	9/27/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.85	37.061213	0.850389	0.364158
9/27/2022 7:00	9/27/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.8	35.889699	0.812669	0.276197
9/27/2022 8:00	9/27/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.91	35.955395	0.880601	0.168128
9/27/2022 9:00	9/27/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.16	40.422152	1.25504	0.008779
9/27/2022 10:00	9/27/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.9	86.400276	5.869418	-0.371642
9/27/2022 11:00	9/27/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.5	68.976508	1.458027	0.023482
9/27/2022 12:00	9/27/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.26	45.477675	0.108527	0.114147
9/27/2022 13:00	9/27/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.93	66.716533	0.982343	0.802524
9/27/2022 14:00	9/27/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.91	49.771986	1.991383	0.87477
9/27/2022 15:00	9/27/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.05	38.569289	1.160113	0.361675
9/27/2022 16:00	9/27/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.31	47.994791	2.737246	-0.049955
9/27/2022 17:00	9/27/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.99	47.733458	-2.032766	-0.218776
9/27/2022 18:00	9/27/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.11	44.813231	2.086546	-0.382481
9/27/2022 19:00	9/27/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.11	46.711493	4.092344	-0.492518
9/27/2022 20:00	9/27/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.35	44.613157	1.96459	-0.698933
9/27/2022 21:00	9/27/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.32	69.755774	3.704428	-1.27032
9/27/2022 22:00	9/27/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.05	74.873969	4.923947	-1.101644
9/27/2022 23:00	9/27/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.35	124.003986	10.738412	-1.086927
9/28/2022 0:00	9/27/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.68	67.302305	5.033839	-0.412367
9/28/2022 1:00	9/27/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.38	44.302306	2.011971	-0.087164
9/28/2022 2:00	9/27/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.87	38.118717	1.315995	-0.063944
9/28/2022 3:00	9/27/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.49	32.609442	0.202806	-0.081697
9/28/2022 4:00	9/28/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.15	33.076232	0.026148	-0.095749
9/28/2022 5:00	9/28/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.67	32.517308	0.009606	-0.158132
9/28/2022 6:00	9/28/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.29	31.187319	0	-0.100181
9/28/2022 7:00	9/28/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.7	30.579743	0	-0.121923
9/28/2022 8:00	9/28/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.44	30.292322	0	-0.146012
9/28/2022 9:00	9/28/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.33	32.765151	0.514086	-0.083102
9/28/2022 10:00	9/28/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.33	41.396686	1.250762	-0.181576
9/28/2022 11:00	9/28/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.73	49.222804	1.32796	0.169011
9/28/2022 12:00	9/28/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.49	46.302259	0.332407	0.483186
9/28/2022 13:00	9/28/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.67	46.457757	0.964121	0.826969
9/28/2022 14:00	9/28/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.86	51.765532	-1.181438	1.084471
9/28/2022 15:00	9/28/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.92	47.589987	0.950697	0.720956
9/28/2022 16:00	9/28/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.74	97.001081	7.71456	1.543187
9/28/2022 17:00	9/28/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.21	55.443386	2.429391	0.803995
9/28/2022 18:00	9/28/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.8	55.214511	1.609119	0.802059
9/28/2022 19:00	9/28/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.32	49.039851	0.164504	0.55868
9/28/2022 20:00	9/28/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.77	50.050678	0.030488	0.251024
9/28/2022 21:00	9/28/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.03	47.133516	0.056903	0.046613
9/28/2022 22:00	9/28/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.93	58.834935	-0.012181	-0.086217
9/28/2022 23:00	9/28/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.33	96.956456	1.846143	-0.217187
9/29/2022 0:00	9/28/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.78	93.225398	7.559813	-0.114415
9/29/2022 1:00	9/28/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.59	48.116054	0.676476	-0.145422
9/29/2022 2:00	9/28/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.18	44.410738	0.533058	-0.301486
9/29/2022 3:00	9/28/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.33	43.800232	-0.050224	-0.477044
9/29/2022 4:00	9/29/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.08	40.401188	-0.131588	-0.54889
9/29/2022 5:00	9/29/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.7	36.019561	-0.073039	-0.6074
9/29/2022 6:00	9/29/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.74	36.081315	-0.089829	-0.568023
9/29/2022 7:00	9/29/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.77	36.178146	-0.102894	-0.48896
9/29/2022 8:00	9/29/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.21	38.648597	-0.117021	-0.448549
9/29/2022 9:00	9/29/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.39	42.696317	-0.157853	-0.531664
9/29/2022 10:00	9/29/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.31	66.856895	-0.416316	-1.040956
9/29/2022 11:00	9/29/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.82	59.450376	-0.405952	-0.963672
9/29/2022 12:00	9/29/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.14	82.251895	0.897937	-0.781876
9/29/2022 13:00	9/29/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.27	73.333105	-0.26574	0.333011
9/29/2022 14:00	9/29/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.66	75.646961	-0.025194	1.007988
9/29/2022 15:00	9/29/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.4	54.552114	1.475719	0.675562
9/29/2022 16:00	9/29/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.82	59.261772	1.744329	0.69661
9/29/2022 17:00	9/29/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.84	91.860944	5.7284	1.292543
9/29/2022 18:00	9/29/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.15	53.237554	0.323272	0.761783
9/29/2022 19:00	9/29/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.97	50.689813	-0.938098	0.661244
9/29/2022 20:00	9/29/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.26	72.378494	0.247711	0.869116
9/29/2022 21:00	9/29/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.05	56.544964	-0.89093	0.385061
9/29/2022 22:00	9/29/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.87	51.827254	-0.280371	0.235125
9/29/2022 23:00	9/29/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.94	70.335542	-0.418135	-0.188823
9/30/2022 0:00	9/29/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.92	56.722063	-0.971243	-0.221695
9/30/2022 1:00	9/29/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.42	52.948655	-1.236381	-0.233298
9/30/2022 2:00	9/29/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.09	49.47283	-1.258357	-0.356313

9/30/2022 3:00	9/29/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.93	40.451186	-0.09217	-0.387477
9/30/2022 4:00	9/30/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.38	37.91557	-0.061408	-0.40219
9/30/2022 5:00	9/30/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.5	36.090811	-0.059756	-0.344434
9/30/2022 6:00	9/30/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.36	36.09795	-0.030301	-0.229249
9/30/2022 7:00	9/30/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.44	35.228728	-1.078871	-0.1299
9/30/2022 8:00	9/30/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.59	37.442195	-1.103151	-0.04882
9/30/2022 9:00	9/30/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.8	43.767679	-0.118154	0.089166
9/30/2022 10:00	9/30/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.83	73.050151	-0.022201	0.245685
9/30/2022 11:00	9/30/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.5	55.991375	0.061214	0.434328
9/30/2022 12:00	9/30/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.37	57.45542	-0.473245	0.561165
9/30/2022 13:00	9/30/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.88	55.664083	0	0.784917
9/30/2022 14:00	9/30/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.94	55.121763	0.186634	0.995963
9/30/2022 15:00	9/30/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.46	71.935766	4.486182	0.99375
9/30/2022 16:00	9/30/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.09	47.025481	1.650096	0.282053
9/30/2022 17:00	9/30/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.8	59.784035	2.598008	0.38186
9/30/2022 18:00	9/30/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.6	52.625408	0.770779	0.257962
9/30/2022 19:00	9/30/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.69	49.124232	1.330119	0.109113
9/30/2022 20:00	9/30/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.69	48.175618	0.647721	-0.157103
9/30/2022 21:00	9/30/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.87	44.070951	-0.380769	-0.419113
9/30/2022 22:00	9/30/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45	45.693526	0.890092	-0.195733
9/30/2022 23:00	9/30/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.49	48.154262	0.758504	-0.095076
10/1/2022 0:00	9/30/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.12	52.974083	-0.091988	-0.055595
10/1/2022 1:00	9/30/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.07	37.693152	-1.111002	-0.270013
10/1/2022 2:00	9/30/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.91	33.364376	-2.276616	-0.264007
10/1/2022 3:00	9/30/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.26	38.932731	-2.085227	-0.244542
10/1/2022 4:00	10/1/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.16	37.110257	-1.660197	-0.387045
10/1/2022 5:00	10/1/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.34	45.906825	-1.77231	-0.660865
10/1/2022 6:00	10/1/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.34	45.906825	-1.77231	-0.660865
10/1/2022 7:00	10/1/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.34	45.906825	-1.77231	-0.660865
10/1/2022 8:00	10/1/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.78	116.896014	-0.378026	-0.502628
10/1/2022 9:00	10/1/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.2	47.843435	0	-0.359898
10/1/2022 10:00	10/1/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.49	44.057868	0	-0.430465
10/1/2022 11:00	10/1/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50	49.519748	0.011845	-0.487097
10/1/2022 12:00	10/1/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55	54.498945	0.021709	-0.518597
10/1/2022 13:00	10/1/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.21	66.805881	0.027297	-0.428082
10/1/2022 14:00	10/1/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.61	58.269019	-0.115084	-0.225897
10/1/2022 15:00	10/1/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.2	50.561764	-0.07245	-0.566619
10/1/2022 16:00	10/1/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.76	42.92504	-0.118941	-0.711019
10/1/2022 17:00	10/1/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.48	49.405515	1.691258	-0.769077
10/1/2022 18:00	10/1/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.92	45.539421	0.532393	-0.909638
10/1/2022 19:00	10/1/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.19	96.35652	6.868699	-1.704679
10/1/2022 20:00	10/1/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.72	38.667006	-0.125064	-0.929597
10/1/2022 21:00	10/1/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.77	43.333859	-0.243393	-1.189415
10/1/2022 22:00	10/1/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.24	46.81706	-0.267399	-1.154708
10/1/2022 23:00	10/1/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.27	66.038163	-0.644712	-1.582957
10/2/2022 0:00	10/1/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.07	36.884131	-0.172763	-1.013939
10/2/2022 1:00	10/1/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.81	43.82489	-0.753659	-1.235617
10/2/2022 2:00	10/1/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.35	34.348715	-1.03708	-0.964205
10/2/2022 3:00	10/1/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.81	29.385723	-4.475058	-0.94672
10/2/2022 4:00	10/2/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.51	27.093678	-2.499466	-0.91769
10/2/2022 5:00	10/2/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.37	29.186129	-2.387375	-0.793163
10/2/2022 6:00	10/2/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.33	27.022583	-1.656477	-0.653441
10/2/2022 7:00	10/2/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.28	27.501011	-1.260856	-0.521467
10/2/2022 8:00	10/2/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.16	27.665998	-1.042124	-0.448545
10/2/2022 9:00	10/2/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.15	28.837004	-0.863735	-0.450094
10/2/2022 10:00	10/2/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.85	32.054892	-0.230046	-0.567562
10/2/2022 11:00	10/2/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.36	38.087467	0.38831	-0.659176
10/2/2022 12:00	10/2/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.05	40.689334	1.564775	-0.924608
10/2/2022 13:00	10/2/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.25	44.39793	2.174472	-1.025708
10/2/2022 14:00	10/2/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.18	46.622374	2.327327	-0.88662
10/2/2022 15:00	10/2/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.77	45.320944	1.384832	-0.838054
10/2/2022 16:00	10/2/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.64	47.935823	2.369426	-1.071103
10/2/2022 17:00	10/2/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.71	40.26183	1.543672	-0.988508
10/2/2022 18:00	10/2/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.99	43.938359	2.04351	-1.093484
10/2/2022 19:00	10/2/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.64	41.456888	1.893618	-1.072563
10/2/2022 20:00	10/2/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44	45.567431	2.818485	-1.254387
10/2/2022 21:00	10/2/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.26	44.697081	1.664927	-1.229513
10/2/2022 22:00	10/2/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.76	55.172587	3.45898	-1.04806
10/2/2022 23:00	10/2/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.94	86.795776	6.362049	-1.505439
10/3/2022 0:00	10/2/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.57	43.904878	2.24174	-0.904362
10/3/2022 1:00	10/2/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.12	37.54486	1.185059	-0.763532
10/3/2022 2:00	10/2/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.55	38.212471	1.197394	-0.538256
10/3/2022 3:00	10/2/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.42	30.240285	-0.903251	-0.279797
10/3/2022 4:00	10/3/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.47	29.325412	-0.760397	-0.380857
10/3/2022 5:00	10/3/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.44	29.42981	-0.605212	-0.399978
10/3/2022 6:00	10/3/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.05	29.520702	-0.246311	-0.287154
10/3/2022 7:00	10/3/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.46	30.286217	0	-0.170449
10/3/2022 8:00	10/3/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.03	30.965352	0	-0.067148
10/3/2022 9:00	10/3/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.99	41.019949	1.204292	-0.17601
10/3/2022 10:00	10/3/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.71	65.232684	3.116525	-0.596341
10/3/2022 11:00	10/3/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.58	57.764985	-0.165604	-0.650244
10/3/2022 12:00	10/3/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.17	70.790111	2.160273	-0.543496
10/3/2022 13:00	10/3/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.3	55.467177	0.524401	-0.358891
10/3/2022 14:00	10/3/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.1	62.962196	0.040262	-0.173066
10/3/2022 15:00	10/3/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.86	56.805648	1.094057	-0.146743
10/3/2022 16:00	10/3/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.5	64.565787	2.193716	-0.129596
10/3/2022 17:00	10/3/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.49	49.582844	1.214181	-0.116337
10/3/2022 18:00	10/3/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.24	48.22592	1.096858	-0.110937
10/3/2022 19:00	10/3/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.18	57.073585	2.030846	-0.134761
10/3/2022 20:00	10/3/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.75	65.943502	0.338616	-0.145114
10/3/2022 21:00	10/3/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.3	63.571007	3.486806	-0.212465
10/3/2022 22:00	10/3/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.28	63.899003	-10.770535	-0.613795
10/3/2022 23:00	10/3/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.51	63.613438	-29.168506	-0.729723
10/4/2022 0:00	10/3/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.22	55.208753	-8.63251	-0.37457
10/4/2022 1:00	10/3/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.77	46.862211	-0.545487	-0.363135
10/4/2022 2:00	10/3/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.99	40.118637	0.465024	-0.33722
10/4/2022 3:00	10/3/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.58	47.074136	-0.359106	-0.143425
10/4/2022 4:00	10/4/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.56	39.083789	-1.219243	-0.257801
10/4/2022 5:00	10/4/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.6	57.761752	-0.817862	-0.017887
10/4/2022 6:00	10/4/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.9	40.811017	0	-0.08815
10/4/2022 7:00	10/4/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.42	39.485296	0.000765	0.060365
10/4/2022 8:00	10/4/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.44	40.735409	0.213752	0.083324
10/4/2022 9:00	10/4/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.57	57.543295	2.837168	0.136127
10/4/2022 10:00	10/4/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.64	58.223045	1.773475	-0.194597
10/4/2022 11:00	10/4/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.54	83.437	5.137193	-0.23936
10/4/2022 12:00	10/4/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.39	61.286044	3.00343	-0.108219
10/4/2022 13:00	10/4/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.47	41.315274	-5.042345	-0.109881

10/4/2022 14:00	10/4/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.14	49.306867	-1.89084	0.057708
10/4/2022 15:00	10/4/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.69	62.187314	-1.592193	0.085341
10/4/2022 16:00	10/4/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.05	53.236367	-2.918446	0.100647
10/4/2022 17:00	10/4/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.84	53.949567	-2.21787	0.324104
10/4/2022 18:00	10/4/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.6	52.233498	-1.742288	0.376618
10/4/2022 19:00	10/4/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.44	56.360222	-1.610253	0.529641
10/4/2022 20:00	10/4/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.49	57.961258	1.253937	0.220654
10/4/2022 21:00	10/4/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.91	61.711927	1.814781	-0.014521
10/4/2022 22:00	10/4/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.16	63.956734	1.812822	-0.014422
10/4/2022 23:00	10/4/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.04	96.187958	7.109569	0.040889
10/5/2022 0:00	10/4/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.26	64.52067	3.234614	0.023557
10/5/2022 1:00	10/4/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.14	49.418709	1.022059	0.252483
10/5/2022 2:00	10/4/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.32	42.651596	0.951892	0.377204
10/5/2022 3:00	10/4/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.49	50.806728	0.788439	0.530789
10/5/2022 4:00	10/5/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.82	40.148985	0.024448	0.305371
10/5/2022 5:00	10/5/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.91	38.261041	-0.104475	0.45885
10/5/2022 6:00	10/5/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.7	37.243753	0.026662	0.520424
10/5/2022 7:00	10/5/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.47	37.947456	0.000033	0.475756
10/5/2022 8:00	10/5/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.62	40.329922	0.258776	0.450313
10/5/2022 9:00	10/5/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.54	27.429391	-11.312455	0.205179
10/5/2022 10:00	10/5/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.61	55.181814	-1.261531	-0.169155
10/5/2022 11:00	10/5/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.86	79.16611	-4.494798	-0.194926
10/5/2022 12:00	10/5/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.71	69.008697	3.436763	-0.1339
10/5/2022 13:00	10/5/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.84	69.4392	3.510926	0.08744
10/5/2022 14:00	10/5/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.28	94.688901	5.889014	0.515721
10/5/2022 15:00	10/5/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.78	56.752644	1.809962	0.167682
10/5/2022 16:00	10/5/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.94	62.301237	1.83978	0.51729
10/5/2022 17:00	10/5/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.04	73.022417	3.006336	0.975248
10/5/2022 18:00	10/5/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.51	61.174531	1.871371	0.797326
10/5/2022 19:00	10/5/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.95	53.421589	1.919828	0.551761
10/5/2022 20:00	10/5/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.53	49.638909	1.757238	0.349171
10/5/2022 21:00	10/5/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.88	63.967956	3.715415	0.370875
10/5/2022 22:00	10/5/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.51	71.403275	4.683357	0.207418
10/5/2022 23:00	10/5/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.52	108.512562	9.842	0.149729
10/6/2022 0:00	10/5/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.22	63.294695	3.803376	0.275485
10/6/2022 1:00	10/5/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.66	75.336623	5.312048	0.361242
10/6/2022 2:00	10/5/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.51	63.175553	3.48776	0.180293
10/6/2022 3:00	10/5/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.53	43.316494	0.621015	0.164645
10/6/2022 4:00	10/6/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.77	42.323753	0.358213	0.20054
10/6/2022 5:00	10/6/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.99	42.476769	0.209837	0.276098
10/6/2022 6:00	10/6/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.76	44.516508	0.35755	0.397291
10/6/2022 7:00	10/6/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.06	39.584592	0.376692	0.1529
10/6/2022 8:00	10/6/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.47	42.813237	0.218115	0.120955
10/6/2022 9:00	10/6/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.48	45.539834	-9.827701	-0.112465
10/6/2022 10:00	10/6/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.96	58.972345	-10.514904	-0.476084
10/6/2022 11:00	10/6/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.07	73.371296	-9.838571	-0.8643
10/6/2022 12:00	10/6/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.02	55.033032	1.286509	-0.274311
10/6/2022 13:00	10/6/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.85	43.379526	-1.634122	0.161982
10/6/2022 14:00	10/6/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.36	65.498342	0.295995	0.847346
10/6/2022 15:00	10/6/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.91	56.10188	1.448192	0.742855
10/6/2022 16:00	10/6/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.09	59.779343	1.98335	0.71016
10/6/2022 17:00	10/6/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58	60.949784	2.497828	0.456956
10/6/2022 18:00	10/6/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.52	58.753404	1.987817	0.249754
10/6/2022 19:00	10/6/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.37	62.428719	2.197157	-0.138438
10/6/2022 20:00	10/6/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.62	56.588197	1.686729	-0.722699
10/6/2022 21:00	10/6/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.56	69.976653	2.575194	-1.156874
10/6/2022 22:00	10/6/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.6	73.903367	2.686967	-1.386099
10/6/2022 23:00	10/6/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.96	61.193562	-3.332087	-1.431018
10/7/2022 0:00	10/6/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.62	61.103991	3.718617	-1.232126
10/7/2022 1:00	10/6/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.84	64.430557	4.550729	-0.961839
10/7/2022 2:00	10/6/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.09	50.365287	1.142401	-0.865447
10/7/2022 3:00	10/6/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.41	48.390453	-0.194151	-0.824562
10/7/2022 4:00	10/7/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.36	38.52611	-0.022838	-0.813551
10/7/2022 5:00	10/7/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.6	39.97553	-0.01515	-0.60432
10/7/2022 6:00	10/7/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.29	39.747423	-0.000833	-0.538411
10/7/2022 7:00	10/7/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.01	39.611601	0	-0.398399
10/7/2022 8:00	10/7/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.04	39.630455	0	-0.407879
10/7/2022 9:00	10/7/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.04	44.164313	0.507395	-0.387248
10/7/2022 10:00	10/7/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.1	46.483805	1.054736	-0.673431
10/7/2022 11:00	10/7/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.14	53.096511	-1.391575	-0.649414
10/7/2022 12:00	10/7/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.73	53.739885	1.292143	-0.280592
10/7/2022 13:00	10/7/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.48	48.556276	1.180448	-0.100839
10/7/2022 14:00	10/7/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.11	48.838455	0.006265	-0.276976
10/7/2022 15:00	10/7/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.4	53.708551	1.548712	-0.238494
10/7/2022 16:00	10/7/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.84	62.759206	5.253594	-0.330222
10/7/2022 17:00	10/7/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.33	57.371795	2.452116	-0.412821
10/7/2022 18:00	10/7/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.02	53.298606	1.867163	-0.587724
10/7/2022 19:00	10/7/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.57	53.987092	1.330176	-0.915585
10/7/2022 20:00	10/7/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.45	59.509185	1.519377	-1.464358
10/7/2022 21:00	10/7/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.14	68.521879	3.452786	-2.070907
10/7/2022 22:00	10/7/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.27	64.329422	2.850127	-1.787371
10/7/2022 23:00	10/7/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.59	65.618718	2.654425	-1.628207
10/8/2022 0:00	10/7/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.99	57.404794	0.429654	-1.009859
10/8/2022 1:00	10/7/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.87	60.636604	1.551423	-0.782319
10/8/2022 2:00	10/7/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.6	47.010138	0.940181	-0.52921
10/8/2022 3:00	10/7/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.86	44.893377	0.232817	-0.20194
10/8/2022 4:00	10/8/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.39	60.807394	1.538396	-0.116002
10/8/2022 5:00	10/8/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.58	121.929536	2.977758	0.376778
10/8/2022 6:00	10/8/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.41	46.860132	0.030706	0.419426
10/8/2022 7:00	10/8/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.6	49.393189	0.273811	0.522711
10/8/2022 8:00	10/8/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.81	51.708107	0.402558	0.496382
10/8/2022 9:00	10/8/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.76	53.376092	0.042938	0.568987
10/8/2022 10:00	10/8/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.85	47.7969	-7.513041	0.464108
10/8/2022 11:00	10/8/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.39	63.42571	2.550676	0.486701
10/8/2022 12:00	10/8/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.57	62.541964	1.538831	0.436466
10/8/2022 13:00	10/8/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.57	48.797029	0.927037	0.297492
10/8/2022 14:00	10/8/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.68	48.473155	1.437798	0.360357
10/8/2022 15:00	10/8/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.14	52.540876	2.106378	0.299498
10/8/2022 16:00	10/8/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.85	55.769414	2.997698	-0.079117
10/8/2022 17:00	10/8/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.66	42.000581	1.755055	-0.41364
10/8/2022 18:00	10/8/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.25	39.15235	1.507043	-0.605526
10/8/2022 19:00	10/8/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.9	37.916984	0.822486	-0.802169
10/8/2022 20:00	10/8/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.65	38.409783	0.760141	-0.996192
10/8/2022 21:00	10/8/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.7	38.025161	0.40298	-1.077819
10/8/2022 22:00	10/8/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.63	68.335382	4.376414	-1.671866
10/8/2022 23:00	10/8/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.99	102.021555	15.700462	-1.665573
10/9/2022 0:00	10/8/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.24	109.069113	12.72669	-1.897577

10/9/2022 1:00	10/8/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.23	55.940633	0.871862	-1.159562
10/9/2022 2:00	10/8/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.81	46.618939	0.025214	-1.211275
10/9/2022 3:00	10/8/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.42	40.009668	-0.283362	-1.128637
10/9/2022 4:00	10/9/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.25	38.0542	-0.879933	-1.317533
10/9/2022 5:00	10/9/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.24	43.502962	-0.417819	-1.317553
10/9/2022 6:00	10/9/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.16	40.218991	-0.78602	-1.157489
10/9/2022 7:00	10/9/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.53	38.396273	-1.002604	-1.13279
10/9/2022 8:00	10/9/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.9	41.64223	-1.140033	-1.115237
10/9/2022 9:00	10/9/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.76	46.355935	-2.109493	-1.296238
10/9/2022 10:00	10/9/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.66	38.638635	-1.826624	-1.196407
10/9/2022 11:00	10/9/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.48	54.186848	0.246296	-1.539448
10/9/2022 12:00	10/9/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.57	41.722994	-1.314935	-1.529571
10/9/2022 13:00	10/9/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.58	42.265463	-0.044397	-1.265973
10/9/2022 14:00	10/9/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.13	43.620275	0.00432	-0.517379
10/9/2022 15:00	10/9/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.12	47.830347	0.910064	-0.203884
10/9/2022 16:00	10/9/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.39	52.241334	2.09781	-0.249808
10/9/2022 17:00	10/9/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.69	41.735654	0.589909	-0.540922
10/9/2022 18:00	10/9/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.62	42.690862	0.769245	-0.694217
10/9/2022 19:00	10/9/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.85	38.209753	0.04144	-0.684187
10/9/2022 20:00	10/9/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.16	39.488616	0.013986	-0.688703
10/9/2022 21:00	10/9/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.15	51.830796	0.584201	-0.906739
10/9/2022 22:00	10/9/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.58	66.703693	-0.764916	-1.106391
10/9/2022 23:00	10/9/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.78	81.019859	-8.550008	-1.2143
10/10/2022 0:00	10/9/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.45	91.633999	-1.839625	-0.97471
10/10/2022 1:00	10/9/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.56	84.283315	3.557482	-0.8375
10/10/2022 2:00	10/9/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.3	49.441418	0.999386	-0.852968
10/10/2022 3:00	10/9/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.68	53.733721	0.041819	-0.989764
10/10/2022 4:00	10/10/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.15	45.292065	0.228278	-1.081214
10/10/2022 5:00	10/10/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.1	47.705081	0.597829	-0.993582
10/10/2022 6:00	10/10/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.62	43.662849	0.066566	-1.026218
10/10/2022 7:00	10/10/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.87	43.843187	-0.0028	-1.02818
10/10/2022 8:00	10/10/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.28	48.445791	0.290026	-1.127568
10/10/2022 9:00	10/10/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.04	45.141793	-0.70954	-1.1895
10/10/2022 10:00	10/10/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.13	71.36247	-1.753402	-2.009961
10/10/2022 11:00	10/10/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.76	83.278799	-5.55911	-1.922091
10/10/2022 12:00	10/10/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.74	88.563595	-2.637645	-1.535427
10/10/2022 13:00	10/10/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.36	89.234442	-1.644923	-0.479802
10/10/2022 14:00	10/10/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.78	72.305789	-0.402821	-0.069723
10/10/2022 15:00	10/10/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.67	78.572877	3.878633	0.027578
10/10/2022 16:00	10/10/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.72	92.064148	5.469327	-0.126012
10/10/2022 17:00	10/10/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.55	89.580355	5.224067	-0.196212
10/10/2022 18:00	10/10/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.09	58.871097	1.019259	-0.239829
10/10/2022 19:00	10/10/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.85	84.082171	4.646297	-0.416626
10/10/2022 20:00	10/10/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.28	63.190538	1.467326	-0.554289
10/10/2022 21:00	10/10/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.57	73.266447	-0.110383	-1.188171
10/10/2022 22:00	10/10/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.86	113.323319	-9.408366	-2.131648
10/10/2022 23:00	10/10/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	136.95	129.561596	-4.383771	-3.0063
10/11/2022 0:00	10/10/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.4	86.477546	-2.229217	-1.695737
10/11/2022 1:00	10/10/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.82	57.928563	-2.628487	-1.267117
10/11/2022 2:00	10/10/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.69	54.582968	-1.493403	-1.609463
10/11/2022 3:00	10/10/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.84	52.044836	-0.101225	-1.693105
10/11/2022 4:00	10/11/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.87	39.522473	-0.006335	-1.345359
10/11/2022 5:00	10/11/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.38	39.924896	5.750295	-1.207066
10/11/2022 6:00	10/11/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.15	45.313672	12.318747	-1.153409
10/11/2022 7:00	10/11/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.58	53.476776	19.023734	-1.131124
10/11/2022 8:00	10/11/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.35	78.92525	32.920463	-1.343547
10/11/2022 9:00	10/11/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.63	84.735692	39.3782	-1.276674
10/11/2022 10:00	10/11/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.08	136.991683	31.218761	-4.303745
10/11/2022 11:00	10/11/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.53	73.310831	3.103289	-3.325791
10/11/2022 12:00	10/11/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.42	69.156614	1.504518	-2.767071
10/11/2022 13:00	10/11/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.66	51.138412	3.081081	-1.603502
10/11/2022 14:00	10/11/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.77	63.193253	7.907323	-1.480737
10/11/2022 15:00	10/11/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.3	50.301979	3.227451	-1.220472
10/11/2022 16:00	10/11/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.84	67.927266	5.728661	-1.638895
10/11/2022 17:00	10/11/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.13	57.595181	3.778796	-1.308614
10/11/2022 18:00	10/11/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.47	69.757055	-1.860311	-1.852634
10/11/2022 19:00	10/11/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.44	61.999471	1.369228	-1.807257
10/11/2022 20:00	10/11/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.95	51.189468	0.018543	-1.777408
10/11/2022 21:00	10/11/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.62	61.754767	-0.667264	-2.200469
10/11/2022 22:00	10/11/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.07	77.76463	-7.405061	-2.901976
10/11/2022 23:00	10/11/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.73	70.980711	-3.800382	-2.946407
10/12/2022 0:00	10/11/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.93	48.77897	-9.613908	-2.532955
10/12/2022 1:00	10/11/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.63	49.140958	-1.117152	-2.372723
10/12/2022 2:00	10/11/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.04	47.161833	1.938267	-1.813934
10/12/2022 3:00	10/11/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.03	37.117	0.578924	-1.491924
10/12/2022 4:00	10/12/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.08	39.689775	6.944694	-1.333252
10/12/2022 5:00	10/12/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.68	41.182796	0.589912	-1.086283
10/12/2022 6:00	10/12/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.92	40.330818	1.206109	-0.794458
10/12/2022 7:00	10/12/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.5	36.46553	-0.01203	-1.020774
10/12/2022 8:00	10/12/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.53	41.276525	0.822979	-1.08062
10/12/2022 9:00	10/12/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.42	37.82502	-3.002598	-1.595715
10/12/2022 10:00	10/12/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.94	45.856677	-10.654021	-2.425969
10/12/2022 11:00	10/12/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.38	94.389646	2.356988	-3.348176
10/12/2022 12:00	10/12/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.37	61.230944	2.677429	-1.819818
10/12/2022 13:00	10/12/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.55	51.51231	3.309457	-1.346313
10/12/2022 14:00	10/12/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.72	64.346537	3.130931	-1.506894
10/12/2022 15:00	10/12/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.15	51.804462	2.858134	-1.207839
10/12/2022 16:00	10/12/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.49	57.748771	4.522738	-1.263967
10/12/2022 17:00	10/12/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.06	68.124809	5.515778	-1.453469
10/12/2022 18:00	10/12/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	138.11	135.273806	0.209581	-3.044942
10/12/2022 19:00	10/12/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.55	64.930345	3.114375	-1.729863
10/12/2022 20:00	10/12/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.87	61.196049	0.265512	-1.942796
10/12/2022 21:00	10/12/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.82	58.585974	-5.068023	-2.166837
10/12/2022 22:00	10/12/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.43	92.620962	-12.589155	-3.220716
10/12/2022 23:00	10/12/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	111.99	103.205113	-5.905781	-2.87994
10/13/2022 0:00	10/12/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.44	97.140645	3.728297	-2.025985
10/13/2022 1:00	10/12/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.67	109.844438	5.195951	-2.017347
10/13/2022 2:00	10/12/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.76	44.997476	-0.607653	-1.158204
10/13/2022 3:00	10/12/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.3	59.522072	1.469729	-1.250158
10/13/2022 4:00	10/13/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.41	34.612999	-0.91744	-0.878728
10/13/2022 5:00	10/13/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.81	45.489425	1.106324	-0.426065
10/13/2022 6:00	10/13/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.97	34.651527	-0.956842	-0.35913
10/13/2022 7:00	10/13/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.19	33.311845	-0.309587	-0.566902
10/13/2022 8:00	10/13/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.59	36.782262	-0.125689	-0.681216
10/13/2022 9:00	10/13/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.38	45.784363	2.464012	-1.057149
10/13/2022 10:00	10/13/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.93	58.230902	1.853377	-1.547475
10/13/2022 11:00	10/13/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.34	77.557585	0.257092	-2.03784

10/13/2022 12:00	10/13/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.47	83.164541	0.741897	-2.044856
10/13/2022 13:00	10/13/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.18	107.141536	8.952234	-1.994032
10/13/2022 14:00	10/13/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.59	99.636943	7.072326	-2.026217
10/13/2022 15:00	10/13/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.23	79.276547	6.038308	-1.994261
10/13/2022 16:00	10/13/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.94	61.6281	-4.053023	-2.261377
10/13/2022 17:00	10/13/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.24	51.867172	-2.221412	-2.149749
10/13/2022 18:00	10/13/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.38	52.131476	-4.891591	-2.352766
10/13/2022 19:00	10/13/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.44	49.698928	-2.518165	-2.219573
10/13/2022 20:00	10/13/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.54	46.863842	-8.293048	-2.384776
10/13/2022 21:00	10/13/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.7	88.964104	6.154691	-3.890587
10/13/2022 22:00	10/13/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.84	102.196675	9.290422	-3.931247
10/13/2022 23:00	10/13/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.3	112.17014	6.679949	-2.809809
10/14/2022 0:00	10/13/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.42	78.720681	5.719134	-1.414286
10/14/2022 1:00	10/13/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.6	149.290342	25.299513	-0.610004
10/14/2022 2:00	10/13/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.75	136.323448	25.736095	-0.16348
10/14/2022 3:00	10/13/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.26	73.039924	4.957264	-0.179841
10/14/2022 4:00	10/14/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.28	57.091422	3.236548	-0.42596
10/14/2022 5:00	10/14/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.55	52.899133	0.806146	-0.45618
10/14/2022 6:00	10/14/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.6	41.734781	0.590552	-0.452438
10/14/2022 7:00	10/14/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.1	41.283147	0.723465	-0.541151
10/14/2022 8:00	10/14/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.26	42.825695	1.105109	-0.537747
10/14/2022 9:00	10/14/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.31	45.335642	1.804111	-0.782636
10/14/2022 10:00	10/14/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.48	66.354729	0.521083	-1.649688
10/14/2022 11:00	10/14/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.29	81.658879	1.005666	-1.631787
10/14/2022 12:00	10/14/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.36	83.306033	5.234662	-1.284463
10/14/2022 13:00	10/14/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.08	77.654913	4.481879	-0.908632
10/14/2022 14:00	10/14/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.27	104.143696	0.411717	-0.538022
10/14/2022 15:00	10/14/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.67	53.665415	-3.492823	-0.508428
10/14/2022 16:00	10/14/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.8	47.485917	-1.314357	-0.994726
10/14/2022 17:00	10/14/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.31	44.293724	-2.613574	-1.402702
10/14/2022 18:00	10/14/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.17	44.541221	-1.135616	-1.49483
10/14/2022 19:00	10/14/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.79	43.636714	-0.584192	-1.567428
10/14/2022 20:00	10/14/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.16	44.935145	-2.363375	-1.860646
10/14/2022 21:00	10/14/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.37	78.244956	2.151595	-3.275806
10/14/2022 22:00	10/14/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.68	53.79387	-0.663584	-2.221713
10/14/2022 23:00	10/14/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.07	48.93959	-2.288926	-1.842317
10/15/2022 0:00	10/14/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.81	53.274703	1.048296	-1.583594
10/15/2022 1:00	10/14/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.86	64.978409	-0.376919	-1.505506
10/15/2022 2:00	10/14/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.67	80.910443	6.167669	-0.922227
10/15/2022 3:00	10/14/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.75	90.215672	5.262948	-0.793943
10/15/2022 4:00	10/15/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.61	61.137253	0.251972	-0.723885
10/15/2022 5:00	10/15/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.29	44.746099	0.195158	-0.737393
10/15/2022 6:00	10/15/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.97	43.049845	0.840974	-0.756129
10/15/2022 7:00	10/15/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.56	41.343885	0.53685	-0.757132
10/15/2022 8:00	10/15/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.05	44.624432	1.521167	-0.942568
10/15/2022 9:00	10/15/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.31	54.436014	3.34534	-1.220993
10/15/2022 10:00	10/15/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.47	53.724777	2.296514	-1.036737
10/15/2022 11:00	10/15/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.24	76.150285	2.932064	-1.020113
10/15/2022 12:00	10/15/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.72	46.340601	-3.884898	-0.497834
10/15/2022 13:00	10/15/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.18	45.137242	-1.816809	-0.230116
10/15/2022 14:00	10/15/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.75	46.824812	-0.830537	-0.097985
10/15/2022 15:00	10/15/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.96	41.511671	-0.345955	-0.097374
10/15/2022 16:00	10/15/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.84	37.230089	-0.329833	-0.282578
10/15/2022 17:00	10/15/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.2	37.685122	-0.111821	-0.39889
10/15/2022 18:00	10/15/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.17	38.06231	0.474519	-0.579709
10/15/2022 19:00	10/15/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.56	35.356924	-0.540278	-0.659464
10/15/2022 20:00	10/15/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.02	33.301055	-2.883936	-0.835009
10/15/2022 21:00	10/15/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.63	48.383678	-0.110779	-1.139709
10/15/2022 22:00	10/15/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.06	61.523955	-1.093378	-1.441
10/15/2022 23:00	10/15/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.36	78.230717	1.242527	-1.36681
10/16/2022 0:00	10/15/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.41	54.642902	2.190598	-0.953529
10/16/2022 1:00	10/15/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.26	44.523868	0.359872	-1.095171
10/16/2022 2:00	10/15/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.21	45.968826	1.907374	-1.146048
10/16/2022 3:00	10/15/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.97	43.808637	1.183352	-1.342215
10/16/2022 4:00	10/16/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.31	35.475699	-4.499056	-1.333579
10/16/2022 5:00	10/16/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.02	32.091034	-1.78377	-1.141029
10/16/2022 6:00	10/16/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.03	33.359243	-0.554441	-1.11715
10/16/2022 7:00	10/16/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.28	33.557568	0.361851	-1.08595
10/16/2022 8:00	10/16/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.04	37.897467	0.969583	-1.11545
10/16/2022 9:00	10/16/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.8	51.596171	2.028039	-1.228536
10/16/2022 10:00	10/16/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.47	46.662821	0.281021	-1.091533
10/16/2022 11:00	10/16/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.38	49.35755	-0.986116	-1.032167
10/16/2022 12:00	10/16/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.1	48.792942	-1.499535	-0.807523
10/16/2022 13:00	10/16/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.06	47.895969	-1.509688	-0.65851
10/16/2022 14:00	10/16/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.99	50.644316	-1.878503	-0.465515
10/16/2022 15:00	10/16/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.87	37.969514	-0.3244	-0.57442
10/16/2022 16:00	10/16/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.67	37.69523	-0.045085	-0.933019
10/16/2022 17:00	10/16/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.74	42.49501	-0.854059	-1.391764
10/16/2022 18:00	10/16/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.79	46.522839	-1.407913	-1.855081
10/16/2022 19:00	10/16/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.2	40.517768	-6.631825	-2.047074
10/16/2022 20:00	10/16/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.2	39.515242	-19.071378	-2.610047
10/16/2022 21:00	10/16/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.02	42.836028	-12.694587	-2.485219
10/16/2022 22:00	10/16/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132	127.205187	0.232227	-5.023706
10/16/2022 23:00	10/16/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.02	90.183074	1.885241	-2.723834
10/17/2022 0:00	10/16/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.56	62.351127	-0.58696	-1.622746
10/17/2022 1:00	10/16/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.26	63.36887	-0.310902	-1.577728
10/17/2022 2:00	10/16/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.68	50.686724	0.144175	-1.134951
10/17/2022 3:00	10/16/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.34	46.147919	-2.068473	-1.119441
10/17/2022 4:00	10/17/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.33	40.571317	-2.715603	-1.04058
10/17/2022 5:00	10/17/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36	32.088665	-3.003002	-0.911667
10/17/2022 6:00	10/17/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.76	32.430365	-2.46089	-0.868745
10/17/2022 7:00	10/17/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.4	30.853375	-2.750891	-0.790735
10/17/2022 8:00	10/17/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.96	29.785876	-2.39963	-0.770328
10/17/2022 9:00	10/17/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.91	42.513786	-3.378582	-1.019299
10/17/2022 10:00	10/17/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.82	51.400999	-1.937134	-1.476867
10/17/2022 11:00	10/17/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.21	58.724817	-0.909099	-1.576918
10/17/2022 12:00	10/17/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.98	73.443082	2.101678	-1.633597
10/17/2022 13:00	10/17/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.54	65.055668	3.029095	-1.508427
10/17/2022 14:00	10/17/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.27	58.62111	-2.639677	-2.009213
10/17/2022 15:00	10/17/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.77	59.174817	-13.304155	-2.286862
10/17/2022 16:00	10/17/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.14	58.138504	-27.172992	-2.826004
10/17/2022 17:00	10/17/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.94	54.238825	-24.206001	-2.496007
10/17/2022 18:00	10/17/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.33	55.607295	-22.238374	-2.481831
10/17/2022 19:00	10/17/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.02	55.188817	-23.226981	-2.606702
10/17/2022 20:00	10/17/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.83	53.39463	-22.938749	-2.496621
10/17/2022 21:00	10/17/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.07	57.144255	-23.707849	-3.217896
10/17/2022 22:00	10/17/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.54	63.547404	-6.049184	-2.939246

10/17/2022 23:00	10/17/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.93	60.817495	-9.596763	-2.514909
10/18/2022 0:00	10/17/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.48	51.358245	-7.378836	-1.740419
10/18/2022 1:00	10/17/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.25	56.787224	-2.68866	-1.770783
10/18/2022 2:00	10/17/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.51	45.372128	0.14434	-1.27888
10/18/2022 3:00	10/17/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.18	40.295004	-1.659367	-1.225629
10/18/2022 4:00	10/18/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.07	38.306405	-0.737287	-1.027142
10/18/2022 5:00	10/18/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.92	33.777163	-1.318259	-0.827912
10/18/2022 6:00	10/18/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.76	33.379214	-1.667633	-0.708986
10/18/2022 7:00	10/18/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.86	34.858105	-1.373958	-0.630437
10/18/2022 8:00	10/18/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.76	39.562248	-1.448939	-0.746313
10/18/2022 9:00	10/18/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.27	44.321915	-9.988322	-0.963097
10/18/2022 10:00	10/18/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.02	57.654249	-28.203028	-2.161057
10/18/2022 11:00	10/18/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	137.59	104.883226	-29.257839	-3.446435
10/18/2022 12:00	10/18/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.86	66.180834	-18.971883	-1.710616
10/18/2022 13:00	10/18/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.57	60.629823	1.032891	-0.972235
10/18/2022 14:00	10/18/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.16	54.113664	2.619094	-0.669596
10/18/2022 15:00	10/18/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.74	56.025412	3.868096	-0.580184
10/18/2022 16:00	10/18/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.14	51.080812	1.685947	-0.740969
10/18/2022 17:00	10/18/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.97	65.729372	4.544478	-0.784273
10/18/2022 18:00	10/18/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.51	51.618824	3.022965	-0.911642
10/18/2022 19:00	10/18/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.82	49.294058	0.692001	-1.22211
10/18/2022 20:00	10/18/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.76	49.0738	0.572234	-1.259268
10/18/2022 21:00	10/18/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.03	63.753203	-0.597584	-1.680046
10/18/2022 22:00	10/18/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.44	55.362178	-19.51113	-2.56336
10/18/2022 23:00	10/18/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.13	67.731153	-18.137467	-2.25888
10/19/2022 0:00	10/18/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.97	84.327331	-2.664528	-1.979808
10/19/2022 1:00	10/18/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.7	53.146586	-9.199969	-1.357611
10/19/2022 2:00	10/18/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.69	51.679537	0.143493	-1.148956
10/19/2022 3:00	10/18/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.76	52.636747	0.234893	-1.361479
10/19/2022 4:00	10/19/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.9	43.268126	-1.376866	-1.254175
10/19/2022 5:00	10/19/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.24	35.29532	-7.664088	-1.282258
10/19/2022 6:00	10/19/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.53	53.355474	1.149326	-1.319685
10/19/2022 7:00	10/19/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.31	50.33135	-0.488319	-1.486164
10/19/2022 8:00	10/19/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.85	43.21011	-2.251662	-1.392395
10/19/2022 9:00	10/19/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.89	42.212603	-13.578526	-2.100538
10/19/2022 10:00	10/19/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.8	71.222772	-48.793387	-4.787175
10/19/2022 11:00	10/19/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.22	97.822746	-23.146267	-4.253487
10/19/2022 12:00	10/19/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.32	83.580666	-0.669844	-2.065324
10/19/2022 13:00	10/19/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.06	91.163902	5.36741	-1.262675
10/19/2022 14:00	10/19/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.94	71.451096	3.706279	-0.199351
10/19/2022 15:00	10/19/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.36	75.302156	1.984335	-0.046345
10/19/2022 16:00	10/19/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.91	57.421485	0.065998	-0.557847
10/19/2022 17:00	10/19/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.38	60.568756	-5.981724	-0.832853
10/19/2022 18:00	10/19/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.57	65.368621	1.676747	-0.87896
10/19/2022 19:00	10/19/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.82	49.084424	-3.270431	-1.466812
10/19/2022 20:00	10/19/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.59	50.026058	1.073423	-1.634031
10/19/2022 21:00	10/19/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.22	43.96213	-6.344815	-1.913888
10/19/2022 22:00	10/19/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.8	75.394094	-19.259846	-3.150226
10/19/2022 23:00	10/19/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.65	105.84274	-21.500908	-3.302185
10/20/2022 0:00	10/19/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.7	68.865611	-6.052945	-1.77811
10/20/2022 1:00	10/19/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.54	59.804039	-8.107191	-1.63127
10/20/2022 2:00	10/19/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.42	63.107554	0.853445	-1.168391
10/20/2022 3:00	10/19/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.06	71.554337	2.940235	-1.448397
10/20/2022 4:00	10/20/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.57	66.220152	2.996342	-1.345357
10/20/2022 5:00	10/20/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.91	67.720019	3.358564	-1.549379
10/20/2022 6:00	10/20/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.7	63.352343	2.286067	-1.637891
10/20/2022 7:00	10/20/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.77	56.796058	-3.052599	-1.918843
10/20/2022 8:00	10/20/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.74	48.193866	-6.834257	-1.706876
10/20/2022 9:00	10/20/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.03	66.454773	0.593614	-2.168841
10/20/2022 10:00	10/20/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.33	92.903112	-27.328305	-5.093583
10/20/2022 11:00	10/20/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	152.76	128.76985	-18.322217	-5.6671
10/20/2022 12:00	10/20/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.9	100.544061	2.151669	-2.505108
10/20/2022 13:00	10/20/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.97	74.692044	2.370732	-0.643688
10/20/2022 14:00	10/20/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.99	68.120907	2.696892	0.438181
10/20/2022 15:00	10/20/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.74	68.288736	2.095825	0.455411
10/20/2022 16:00	10/20/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.48	60.70728	2.04455	0.180231
10/20/2022 17:00	10/20/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.41	53.848657	1.538478	-0.097321
10/20/2022 18:00	10/20/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.37	49.01168	0.979767	-0.333087
10/20/2022 19:00	10/20/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.28	53.827411	-2.980998	-0.472424
10/20/2022 20:00	10/20/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.09	49.556047	-2.857245	-0.675875
10/20/2022 21:00	10/20/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.34	61.048915	-3.857565	-1.42852
10/20/2022 22:00	10/20/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.77	69.20537	0.691795	-1.253092
10/20/2022 23:00	10/20/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.65	87.810385	1.011801	-0.85475
10/21/2022 0:00	10/20/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.25	57.302474	-1.892711	-1.058148
10/21/2022 1:00	10/20/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.54	54.735196	-1.529302	-1.278002
10/21/2022 2:00	10/20/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.17	50.908231	1.085574	-1.344843
10/21/2022 3:00	10/20/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.74	50.180608	1.91338	-1.475272
10/21/2022 4:00	10/21/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.51	47.937692	0.862525	-1.434833
10/21/2022 5:00	10/21/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.71	45.080292	0.864068	-1.488776
10/21/2022 6:00	10/21/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.06	52.111091	2.827859	-1.773435
10/21/2022 7:00	10/21/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.19	49.73198	1.430691	-1.892044
10/21/2022 8:00	10/21/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.24	58.031502	9.682938	-1.890603
10/21/2022 9:00	10/21/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.45	45.217095	-0.330792	-1.90628
10/21/2022 10:00	10/21/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.1	55.631688	-0.9346	-2.532045
10/21/2022 11:00	10/21/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.36	83.967636	-11.595327	-3.798704
10/21/2022 12:00	10/21/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.52	64.935305	-1.366859	-2.217003
10/21/2022 13:00	10/21/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.68	54.979416	1.804338	-1.504922
10/21/2022 14:00	10/21/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.83	46.658018	1.587551	-0.762032
10/21/2022 15:00	10/21/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.79	50.212132	1.904551	-0.485752
10/21/2022 16:00	10/21/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.02	46.546596	0.666548	-0.139119
10/21/2022 17:00	10/21/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.83	44.056341	1.548332	-0.323658
10/21/2022 18:00	10/21/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.28	42.816168	2.143061	-0.60606
10/21/2022 19:00	10/21/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.21	41.171663	2.814609	-0.847946
10/21/2022 20:00	10/21/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.49	35.16375	1.644272	-0.968855
10/21/2022 21:00	10/21/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.48	46.645534	1.298137	-1.130103
10/21/2022 22:00	10/21/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.72	45.184015	0.572666	-1.111151
10/21/2022 23:00	10/21/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.25	49.811875	0.709971	-1.151429
10/22/2022 0:00	10/21/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.14	40.36931	0.403886	-1.173743
10/22/2022 1:00	10/21/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.82	45.604083	2.99873	-1.214647
10/22/2022 2:00	10/21/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.53	39.108574	1.736562	-1.152988
10/22/2022 3:00	10/21/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.76	32.351806	0.697831	-1.107692
10/22/2022 4:00	10/22/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.62	40.9295	0.027987	-1.721821
10/22/2022 5:00	10/22/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.81	34.079576	-2.034015	-1.698909
10/22/2022 6:00	10/22/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38	33.102008	-3.163122	-1.72987
10/22/2022 7:00	10/22/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.3	35.13082	-2.31296	-1.85622
10/22/2022 8:00	10/22/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.65	32.30596	-1.63989	-1.708316
10/22/2022 9:00	10/22/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.24	40.630434	-1.447481	-2.163752

10/22/2022 10:00	10/22/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.24	36.477043	-9.418202	-2.348923
10/22/2022 11:00	10/22/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.02	80.850255	-3.744188	-4.423891
10/22/2022 12:00	10/22/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.81	112.351057	5.285565	-5.747841
10/22/2022 13:00	10/22/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.3	38.881897	-1.35552	-2.063417
10/22/2022 14:00	10/22/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.01	35.899706	-0.525679	-1.579615
10/22/2022 15:00	10/22/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.65	35.278807	-0.145062	-1.222797
10/22/2022 16:00	10/22/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.59	46.426509	0.155474	-1.321465
10/22/2022 17:00	10/22/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.48	34.643454	-0.943346	-0.897367
10/22/2022 18:00	10/22/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.08	29.175721	-1.034369	-0.868244
10/22/2022 19:00	10/22/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.41	26.496179	-2.004043	-0.913945
10/22/2022 20:00	10/22/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.1	28.480774	-1.521061	-1.101498
10/22/2022 21:00	10/22/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.83	31.447203	-3.093373	-1.286091
10/22/2022 22:00	10/22/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.19	65.410074	-0.413076	-2.370184
10/22/2022 23:00	10/22/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.13	44.443298	-0.93555	-1.750319
10/23/2022 0:00	10/22/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.32	32.828231	-2.951902	-1.542368
10/23/2022 1:00	10/22/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.35	29.091086	-1.861953	-1.393628
10/23/2022 2:00	10/22/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.11	28.857718	-2.915012	-1.336436
10/23/2022 3:00	10/22/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.71	25.946011	-2.627272	-1.140883
10/23/2022 4:00	10/23/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.16	27.179237	-2.681413	-1.298517
10/23/2022 5:00	10/23/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.46	26.76071	-2.63624	-1.059716
10/23/2022 6:00	10/23/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23.94	20.596649	-2.434379	-0.910639
10/23/2022 7:00	10/23/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.26	20.4866	-2.844908	-0.926825
10/23/2022 8:00	10/23/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.27	22.096891	-3.172202	-1.002574
10/23/2022 9:00	10/23/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.02	16.440078	-9.497449	-1.079973
10/23/2022 10:00	10/23/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.52	18.324828	-11.908318	-1.28602
10/23/2022 11:00	10/23/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.86	14.860763	-21.382536	-1.614201
10/23/2022 12:00	10/23/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.82	29.761142	-16.976126	-2.086066
10/23/2022 13:00	10/23/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.5	30.104335	-3.86507	-1.525595
10/23/2022 14:00	10/23/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.53	30.755402	-2.22263	-1.555302
10/23/2022 15:00	10/23/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.98	25.625996	-3.917994	-1.43101
10/23/2022 16:00	10/23/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.34	27.623716	-6.182781	-1.53267
10/23/2022 17:00	10/23/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.6	26.869571	-3.34483	-1.381432
10/23/2022 18:00	10/23/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.76	28.876991	-2.428638	-1.449371
10/23/2022 19:00	10/23/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.51	30.258584	-2.762001	-1.492749
10/23/2022 20:00	10/23/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.86	36.274371	-1.940297	-1.640333
10/23/2022 21:00	10/23/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.44	38.638773	-0.95952	-1.841708
10/23/2022 22:00	10/23/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.72	49.695025	0.228045	-2.25302
10/23/2022 23:00	10/23/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.54	56.133607	0.083342	-2.493069
10/24/2022 0:00	10/23/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51	40.944489	-7.864045	-2.193966
10/24/2022 1:00	10/23/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.64	22.065985	-13.104802	-1.471713
10/24/2022 2:00	10/23/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.19	29.25593	-1.693934	-1.242636
10/24/2022 3:00	10/23/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.65	23.460929	-1.194047	-0.990857
10/24/2022 4:00	10/24/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.49	22.309914	-1.265463	-0.917956
10/24/2022 5:00	10/24/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.54	19.376004	-2.353579	-0.812084
10/24/2022 6:00	10/24/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.57	19.006643	-2.780889	-0.782468
10/24/2022 7:00	10/24/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.68	19.064129	-2.889324	-0.72238
10/24/2022 8:00	10/24/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.33	21.596371	-2.018539	-0.713424
10/24/2022 9:00	10/24/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.61	28.425851	-2.249211	-0.934104
10/24/2022 10:00	10/24/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	168.98	95.419906	-67.637716	-5.920711
10/24/2022 11:00	10/24/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.15	50.498648	-10.353524	-2.300329
10/24/2022 12:00	10/24/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.12	64.352775	-8.615416	-3.148476
10/24/2022 13:00	10/24/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.84	53.700286	-3.325317	-2.816897
10/24/2022 14:00	10/24/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.11	54.109495	-2.287288	-2.714051
10/24/2022 15:00	10/24/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.94	47.679792	0.916223	-2.171431
10/24/2022 16:00	10/24/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.18	52.186498	3.037328	-2.025829
10/24/2022 17:00	10/24/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.63	47.926641	-2.691329	-2.00703
10/24/2022 18:00	10/24/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.53	42.607888	-4.088379	-1.8354
10/24/2022 19:00	10/24/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.73	34.361603	-2.882182	-1.486215
10/24/2022 20:00	10/24/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.61	33.10907	-1.012736	-1.489028
10/24/2022 21:00	10/24/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.3	49.506626	-7.897443	-2.892598
10/24/2022 22:00	10/24/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.78	59.072037	-15.947566	-3.75873
10/24/2022 23:00	10/24/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.02	55.954551	-14.635041	-3.432075
10/25/2022 0:00	10/24/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.01	45.205893	-5.501877	-2.303063
10/25/2022 1:00	10/24/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.43	40.139711	-10.927022	-2.364101
10/25/2022 2:00	10/24/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.11	45.977112	-0.084117	-2.048771
10/25/2022 3:00	10/24/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.59	30.641991	-0.55733	-1.389013
10/25/2022 4:00	10/25/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.08	31.230035	0.580512	-1.432144
10/25/2022 5:00	10/25/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.79	24.692312	-3.914662	-1.185527
10/25/2022 6:00	10/25/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.03	26.591005	-0.283846	-1.155149
10/25/2022 7:00	10/25/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.76	28.556077	-0.053986	-1.154104
10/25/2022 8:00	10/25/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.97	27.462035	-2.256501	-1.248965
10/25/2022 9:00	10/25/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.48	22.560262	-13.420426	-1.499312
10/25/2022 10:00	10/25/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.85	46.729926	-19.456859	-2.665715
10/25/2022 11:00	10/25/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.99	81.241913	-21.693503	-4.05125
10/25/2022 12:00	10/25/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	173.37	148.022737	-19.251749	-6.090514
10/25/2022 13:00	10/25/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.03	83.820182	-7.384131	-2.82652
10/25/2022 14:00	10/25/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.27	71.020194	-3.872487	-2.381486
10/25/2022 15:00	10/25/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.97	75.16397	-4.25349	-2.550873
10/25/2022 16:00	10/25/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.01	55.061323	-0.38845	-1.56106
10/25/2022 17:00	10/25/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.44	48.292787	-0.676337	-1.475043
10/25/2022 18:00	10/25/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.69	40.739702	-1.514431	-1.433367
10/25/2022 19:00	10/25/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.97	36.741242	-1.884691	-1.345734
10/25/2022 20:00	10/25/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.82	36.846121	-5.536328	-1.436718
10/25/2022 21:00	10/25/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.36	45.78665	-8.693635	-1.882215
10/25/2022 22:00	10/25/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.48	53.785383	-6.673743	-2.02504
10/25/2022 23:00	10/25/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.43	43.952017	-12.948791	-1.530026
10/26/2022 0:00	10/25/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.59	48.289302	-10.118841	-1.17769
10/26/2022 1:00	10/25/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.52	41.875555	-4.492179	-1.147267
10/26/2022 2:00	10/25/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.2	38.272258	-1.683319	-1.244424
10/26/2022 3:00	10/25/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.9	30.846293	-1.044784	-1.004757
10/26/2022 4:00	10/26/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.28	26.3168	-0.936235	-1.028632
10/26/2022 5:00	10/26/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.15	23.967284	-1.350592	-0.828791
10/26/2022 6:00	10/26/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.75	23.136117	-1.905829	-0.703888
10/26/2022 7:00	10/26/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.55	24.115997	-1.701264	-0.729406
10/26/2022 8:00	10/26/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.82	27.965372	-0.963689	-0.895105
10/26/2022 9:00	10/26/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.61	34.297533	-1.29141	-1.021891
10/26/2022 10:00	10/26/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.03	34.101705	-2.677261	-1.254367
10/26/2022 11:00	10/26/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.06	41.732909	-2.522033	-1.802558
10/26/2022 12:00	10/26/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.89	53.288376	-8.450623	-2.154335
10/26/2022 13:00	10/26/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.61	71.547783	-4.452564	-2.60882
10/26/2022 14:00	10/26/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.77	53.665348	-0.936386	-2.172433
10/26/2022 15:00	10/26/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.15	45.478853	-0.699325	-1.974321
10/26/2022 16:00	10/26/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.73	56.471662	-4.812286	-2.442719
10/26/2022 17:00	10/26/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.31	53.313261	-9.510382	-2.490523
10/26/2022 18:00	10/26/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.93	48.560607	-8.263702	-2.107358
10/26/2022 19:00	10/26/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.77	41.710721	-5.387811	-1.674801
10/26/2022 20:00	10/26/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.01	39.11839	-6.442716	-1.446395

10/26/2022 21:00	10/26/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.81	50.401123	-6.738969	-1.666574
10/26/2022 22:00	10/26/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.82	68.374595	-0.779332	-1.666073
10/26/2022 23:00	10/26/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.72	55.723767	0.116995	-1.114061
10/27/2022 0:00	10/26/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.97	44.714992	-2.460674	-0.789333
10/27/2022 1:00	10/26/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.85	59.152067	0.948108	-0.650208
10/27/2022 2:00	10/26/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.99	55.011888	1.449165	-0.424778
10/27/2022 3:00	10/26/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.94	38.733725	-0.026561	-0.179715
10/27/2022 4:00	10/27/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.44	34.725329	-1.461426	-0.254912
10/27/2022 5:00	10/27/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.95	37.346966	-1.555732	-0.050635
10/27/2022 6:00	10/27/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.79	36.253783	-1.620146	0.087262
10/27/2022 7:00	10/27/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.45	36.561017	-0.922803	0.030487
10/27/2022 8:00	10/27/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.67	42.357898	0.718371	-0.033806
10/27/2022 9:00	10/27/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.8	40.633018	2.189177	-0.357825
10/27/2022 10:00	10/27/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.32	66.16984	3.705365	-0.858859
10/27/2022 11:00	10/27/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.63	59.467839	1.529016	-0.693678
10/27/2022 12:00	10/27/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.1	64.323957	0.489037	-0.26758
10/27/2022 13:00	10/27/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.25	45.055692	-0.047057	-0.145584
10/27/2022 14:00	10/27/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.78	47.306935	1.755451	-0.226849
10/27/2022 15:00	10/27/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.15	40.900508	0.231491	-0.483483
10/27/2022 16:00	10/27/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.68	41.773987	-1.524266	-0.378413
10/27/2022 17:00	10/27/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.64	37.274191	-1.048843	-0.3153
10/27/2022 18:00	10/27/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.97	34.254892	-1.487951	-0.226323
10/27/2022 19:00	10/27/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.28	37.298388	-0.726125	-0.252153
10/27/2022 20:00	10/27/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.52	38.904021	-0.055172	-0.561641
10/27/2022 21:00	10/27/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.69	43.870512	-0.046329	-0.774825
10/27/2022 22:00	10/27/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.12	56.951933	-0.112534	-1.050533
10/27/2022 23:00	10/27/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.32	52.924758	-0.25283	-1.144912
10/28/2022 0:00	10/27/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.27	33.209223	-9.144171	-0.914106
10/28/2022 1:00	10/27/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.2	58.088071	-5.517757	-1.591672
10/28/2022 2:00	10/27/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.08	37.400278	-7.357984	-1.321738
10/28/2022 3:00	10/27/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.69	28.41325	-2.378484	-0.8991
10/28/2022 4:00	10/28/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.04	26.427204	-2.822679	-0.789283
10/28/2022 5:00	10/28/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.88	29.224595	-2.005761	-0.650477
10/28/2022 6:00	10/28/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.47	30.615732	-1.195388	-0.662213
10/28/2022 7:00	10/28/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.71	32.399703	-0.593028	-0.715602
10/28/2022 8:00	10/28/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.37	34.251565	-0.364486	-0.751449
10/28/2022 9:00	10/28/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.51	37.589065	-0.121404	-0.795364
10/28/2022 10:00	10/28/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.79	42.35526	-0.236865	-1.195375
10/28/2022 11:00	10/28/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.07	67.144555	-0.18867	-1.739275
10/28/2022 12:00	10/28/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.98	54.979342	-0.011596	-0.993229
10/28/2022 13:00	10/28/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.7	60.100277	-0.000379	-0.59601
10/28/2022 14:00	10/28/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.59	58.244547	-0.036903	-0.312717
10/28/2022 15:00	10/28/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.82	62.421493	-0.068702	-0.328972
10/28/2022 16:00	10/28/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.47	60.294757	0.0011	-0.172177
10/28/2022 17:00	10/28/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.88	51.544857	0.00578	-0.339256
10/28/2022 18:00	10/28/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.21	48.68433	-0.004533	-0.51947
10/28/2022 19:00	10/28/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.22	46.579939	-0.004742	-0.635319
10/28/2022 20:00	10/28/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.35	50.142897	-0.337263	-0.866507
10/28/2022 21:00	10/28/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.32	53.668447	-1.628363	-1.027357
10/28/2022 22:00	10/28/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.55	53.435874	-0.024442	-1.087184
10/28/2022 23:00	10/28/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.82	56.182803	-0.515938	-1.117926
10/29/2022 0:00	10/28/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.56	48.620705	0	-0.934295
10/29/2022 1:00	10/28/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.57	40.619118	0	-0.950882
10/29/2022 2:00	10/28/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44	40.387992	-2.440592	-1.168916
10/29/2022 3:00	10/28/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.63	36.70649	-1.711971	-1.213206
10/29/2022 4:00	10/29/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.91	37.682168	-0.018673	-1.211659
10/29/2022 5:00	10/29/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.09	39.132448	0	-0.960052
10/29/2022 6:00	10/29/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.6	51.443057	0	-1.152776
10/29/2022 7:00	10/29/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.06	44.023951	0	-1.03855
10/29/2022 8:00	10/29/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.42	54.070612	0	-1.351888
10/29/2022 9:00	10/29/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.41	53.078338	0	-1.335829
10/29/2022 10:00	10/29/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.69	45.740086	-0.60453	-1.344551
10/29/2022 11:00	10/29/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.07	93.070482	-9.796483	-3.198869
10/29/2022 12:00	10/29/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.47	66.845685	-13.394939	-2.230209
10/29/2022 13:00	10/29/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.96	54.904176	-1.752707	-1.299784
10/29/2022 14:00	10/29/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.37	37.433165	-0.213896	-0.717939
10/29/2022 15:00	10/29/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.34	37.605337	0	-0.731329
10/29/2022 16:00	10/29/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.09	63.14229	-8.691898	-1.253313
10/29/2022 17:00	10/29/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.87	38.927899	-0.253809	-0.690792
10/29/2022 18:00	10/29/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.82	36.077981	-1.007543	-0.736976
10/29/2022 19:00	10/29/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.3	39.437943	-2.983892	-0.880664
10/29/2022 20:00	10/29/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.12	35.055967	-6.165368	-0.896998
10/29/2022 21:00	10/29/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.21	47.21321	-4.7154	-1.276391
10/29/2022 22:00	10/29/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.67	77.920242	-0.193769	-2.550989
10/29/2022 23:00	10/29/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.46	38.171626	-4.915251	-1.37479
10/30/2022 0:00	10/29/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.1	42.435984	-6.151603	-1.50908
10/30/2022 1:00	10/29/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.03	45.931012	-5.209909	-1.89158
10/30/2022 2:00	10/29/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.2	43.70403	-11.074493	-2.422311
10/30/2022 3:00	10/29/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.99	30.682439	-2.872728	-1.435666
10/30/2022 4:00	10/30/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.76	31.950029	-1.330128	-1.476509
10/30/2022 5:00	10/30/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.32	36.40394	-0.383625	-1.529102
10/30/2022 6:00	10/30/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33	31.793582	0	-1.202252
10/30/2022 7:00	10/30/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.67	34.484334	0	-1.188166
10/30/2022 8:00	10/30/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.29	39.01959	0	-1.273743
10/30/2022 9:00	10/30/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.41	37.196394	0	-1.211939
10/30/2022 10:00	10/30/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.68	37.004089	-0.114584	-1.556327
10/30/2022 11:00	10/30/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.69	36.427482	-2.488662	-1.776355
10/30/2022 12:00	10/30/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.2	40.08541	-2.307378	-1.803879
10/30/2022 13:00	10/30/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.17	36.10994	-1.593558	-1.461502
10/30/2022 14:00	10/30/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.66	37.081153	-0.649451	-0.930229
10/30/2022 15:00	10/30/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.34	38.609949	-0.244106	-0.485946
10/30/2022 16:00	10/30/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.23	34.396122	-1.629493	-0.207719
10/30/2022 17:00	10/30/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.29	44.461317	-1.649182	-0.179501
10/30/2022 18:00	10/30/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.03	40.843994	-1.934459	-0.24988
10/30/2022 19:00	10/30/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.73	36.687338	-1.635709	-0.40862
10/30/2022 20:00	10/30/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.02	40.882571	-1.431155	-0.702107
10/30/2022 21:00	10/30/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.45	60.182946	-4.788564	-1.481823
10/30/2022 22:00	10/30/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.18	99.356916	-2.741024	-3.082893
10/30/2022 23:00	10/30/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.67	80.990094	3.474808	-2.152214
10/31/2022 0:00	10/30/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.97	50.945596	-2.590075	-1.433495
10/31/2022 1:00	10/30/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.63	36.485732	-2.077613	-1.070822
10/31/2022 2:00	10/30/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.04	40.510391	-0.49473	-1.032379
10/31/2022 3:00	10/30/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.78	37.722335	-0.161174	-0.900658
10/31/2022 4:00	10/31/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.14	32.199641	-0.114685	-0.825674
10/31/2022 5:00	10/31/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.67	32.973406	-0.081834	-0.611427
10/31/2022 6:00	10/31/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.38	32.893165	0	-0.481835
10/31/2022 7:00	10/31/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.6	33.104985	0	-0.491682

10/31/2022 8:00	10/31/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.11	34.613775	0	-0.495392
10/31/2022 9:00	10/31/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.55	34.053723	-0.027713	-0.466897
10/31/2022 10:00	10/31/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.74	48.708623	-0.377876	-0.654335
10/31/2022 11:00	10/31/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.02	59.791012	-0.376929	-0.848726
10/31/2022 12:00	10/31/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.67	56.612063	-0.311351	-0.744919
10/31/2022 13:00	10/31/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.8	48.043517	-0.307712	-0.445438
10/31/2022 14:00	10/31/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.44	50.042451	-0.309586	-0.088796
10/31/2022 15:00	10/31/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.56	46.218346	-0.315416	-0.026238
10/31/2022 16:00	10/31/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.33	50.881086	-1.319756	-0.129157
10/31/2022 17:00	10/31/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.99	45.886066	-2.93399	-0.165778
10/31/2022 18:00	10/31/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.15	47.668203	-2.216083	-0.266548
10/31/2022 19:00	10/31/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.88	92.615646	-9.730938	-0.530916
10/31/2022 20:00	10/31/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.11	55.614352	-10.708368	-0.791447
10/31/2022 21:00	10/31/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.82	50.387776	-7.432159	-1.003398
10/31/2022 22:00	10/31/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.35	40.690552	-2.016184	-0.640764
10/31/2022 23:00	10/31/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.23	39.291617	-0.527748	-0.408968
11/1/2022 0:00	10/31/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.51	40.664491	-1.452254	-0.388255
11/1/2022 1:00	10/31/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.81	43.994847	-5.429201	-0.387619
11/1/2022 2:00	10/31/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.69	38.480711	-1.847374	-0.359416
11/1/2022 3:00	10/31/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.64	29.654413	-1.58945	-0.398636
11/1/2022 4:00	11/1/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.05	31.756211	0	-0.288789
11/1/2022 5:00	11/1/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.06	30.961681	0	-0.094986
11/1/2022 6:00	11/1/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.92	29.794173	-0.019469	-0.106358
11/1/2022 7:00	11/1/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.46	30.343508	-0.035932	-0.083894
11/1/2022 8:00	11/1/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.19	32.775112	0.64518	-0.059234
11/1/2022 9:00	11/1/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.2	31.156783	-0.990194	-0.04969
11/1/2022 10:00	11/1/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.03	30.269033	-8.435712	-0.321922
11/1/2022 11:00	11/1/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.58	58.677012	-7.543038	-0.361617
11/1/2022 12:00	11/1/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.98	45.999187	-5.853183	-0.128464
11/1/2022 13:00	11/1/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.99	44.571805	-6.339594	-0.078602
11/1/2022 14:00	11/1/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.93	48.469498	-8.304544	-0.158458
11/1/2022 15:00	11/1/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.95	41.969048	-4.031509	0.047224
11/1/2022 16:00	11/1/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.24	68.253249	-1.400197	0.415945
11/1/2022 17:00	11/1/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.16	50.382312	-20.072333	0.293812
11/1/2022 18:00	11/1/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.45	45.791481	-27.301809	-0.355877
11/1/2022 19:00	11/1/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71	44.284003	-25.975724	-0.735273
11/1/2022 20:00	11/1/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71	44.323437	-25.732285	-0.945945
11/1/2022 21:00	11/1/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.62	44.803829	-26.781249	-1.036589
11/1/2022 22:00	11/1/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	116.45	84.805938	-29.62343	-2.018966
11/1/2022 23:00	11/1/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.92	54.939828	-21.941011	-1.041662
11/2/2022 0:00	11/1/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.18	37.571446	-8.256886	-0.351668
11/2/2022 1:00	11/1/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.75	42.060072	0.403034	-0.096296
11/2/2022 2:00	11/1/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.53	33.333859	-0.048131	-0.14551
11/2/2022 3:00	11/1/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.96	30.51996	-0.22478	-0.211927
11/2/2022 4:00	11/2/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.17	27.95569	-0.131901	-0.084077
11/2/2022 5:00	11/2/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.37	27.349945	-1.166966	0.145244
11/2/2022 6:00	11/2/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.39	27.976077	-0.664202	0.254446
11/2/2022 7:00	11/2/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.93	25.302408	-0.852389	0.229797
11/2/2022 8:00	11/2/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.52	29.224991	0.486714	0.222444
11/2/2022 9:00	11/2/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.23	40.164283	2.668261	0.264356
11/2/2022 10:00	11/2/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.37	40.368963	1.896541	0.100756
11/2/2022 11:00	11/2/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.3	48.016348	2.256779	0.456236
11/2/2022 12:00	11/2/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.9	58.837633	3.226935	0.711531
11/2/2022 13:00	11/2/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.16	42.271062	2.690641	0.421254
11/2/2022 14:00	11/2/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.16	39.160513	1.555212	0.449468
11/2/2022 15:00	11/2/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.89	41.211891	-9.462519	0.786077
11/2/2022 16:00	11/2/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.98	39.215469	1.825207	0.415263
11/2/2022 17:00	11/2/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.19	40.469905	2.014954	0.264118
11/2/2022 18:00	11/2/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.28	39.585898	2.033735	0.271329
11/2/2022 19:00	11/2/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.98	48.327052	2.183113	0.168105
11/2/2022 20:00	11/2/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.16	46.038636	-0.212999	0.094135
11/2/2022 21:00	11/2/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.25	47.486039	0.032863	0.201509
11/2/2022 22:00	11/2/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.18	69.806842	-0.127862	-0.249463
11/2/2022 23:00	11/2/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.62	60.764656	1.322143	-0.175821
11/3/2022 0:00	11/2/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.5	33.283975	1.156913	-0.371272
11/3/2022 1:00	11/2/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.78	27.932597	0.617577	-0.464979
11/3/2022 2:00	11/2/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.52	23.950849	-1.024964	-0.540854
11/3/2022 3:00	11/2/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.93	22.598632	-1.827594	-0.507941
11/3/2022 4:00	11/3/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	20.16	17.702472	-2.088704	-0.367991
11/3/2022 5:00	11/3/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	20.25	17.641553	-2.387234	-0.216214
11/3/2022 6:00	11/3/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	19.09	15.305787	-3.64655	-0.136829
11/3/2022 7:00	11/3/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	19.09	15.463658	-3.447808	-0.174368
11/3/2022 8:00	11/3/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.59	18.075277	-4.22695	-0.286106
11/3/2022 9:00	11/3/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23.68	20.368685	-2.977794	-0.332688
11/3/2022 10:00	11/3/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.21	24.612311	-2.197325	-0.403697
11/3/2022 11:00	11/3/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.97	35.258049	-1.246844	-0.465107
11/3/2022 12:00	11/3/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.52	35.627138	0.43512	-0.323815
11/3/2022 13:00	11/3/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.45	35.528896	1.383509	-0.30628
11/3/2022 14:00	11/3/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.35	34.637665	1.472533	-0.184035
11/3/2022 15:00	11/3/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.99	33.275656	1.250755	0.033234
11/3/2022 16:00	11/3/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.09	34.701558	1.582504	0.029887
11/3/2022 17:00	11/3/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.22	32.258954	1.199211	-0.16109
11/3/2022 18:00	11/3/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.86	45.764034	13.116321	-0.213954
11/3/2022 19:00	11/3/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.63	38.919829	7.400218	-0.111222
11/3/2022 20:00	11/3/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.59	34.508519	5.232785	-0.318432
11/3/2022 21:00	11/3/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.05	39.128802	6.490192	-0.414723
11/3/2022 22:00	11/3/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.85	53.249731	2.221962	-0.818065
11/3/2022 23:00	11/3/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.39	35.310551	0.457414	-0.532697
11/4/2022 0:00	11/3/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.46	29.578193	0.758106	-0.643246
11/4/2022 1:00	11/3/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.39	25.463168	-0.203548	-0.725784
11/4/2022 2:00	11/3/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.21	24.028114	-1.387181	-0.796372
11/4/2022 3:00	11/3/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	21.97	19.207337	-2.084027	-0.679469
11/4/2022 4:00	11/4/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	20.6	17.379593	-2.438862	-0.783212
11/4/2022 5:00	11/4/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	21.27	19.294077	-1.159629	-0.815461
11/4/2022 6:00	11/4/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	20.28	17.844774	-1.73423	-0.69933
11/4/2022 7:00	11/4/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	20.75	18.104336	-1.955896	-0.693934
11/4/2022 8:00	11/4/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	21.48	18.595329	-2.147676	-0.733661
11/4/2022 9:00	11/4/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.58	29.196071	2.711968	-1.098397
11/4/2022 10:00	11/4/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.88	59.950417	8.307701	-2.240617
11/4/2022 11:00	11/4/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.92	37.57576	-10.309348	-2.030725
11/4/2022 12:00	11/4/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.01	64.244103	-13.807557	-2.960841
11/4/2022 13:00	11/4/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.61	51.856289	-8.636133	-2.121745
11/4/2022 14:00	11/4/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.16	37.560024	-13.889346	-1.70813
11/4/2022 15:00	11/4/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.28	39.552943	-10.411444	-1.31478
11/4/2022 16:00	11/4/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.43	35.210291	-16.005323	-1.21022
11/4/2022 17:00	11/4/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.23	25.404787	-22.638928	-1.185452
11/4/2022 18:00	11/4/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.25	31.719023	-25.1988	-1.329676

11/4/2022 19:00	11/4/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.67	32.889347	-5.893002	-0.888484
11/4/2022 20:00	11/4/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.66	40.488832	0.775314	-0.943148
11/4/2022 21:00	11/4/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.86	37.668087	0.65573	-0.843476
11/4/2022 22:00	11/4/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.21	66.573049	3.946392	-1.58001
11/4/2022 23:00	11/4/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.72	45.307331	-4.521661	-0.886841
11/5/2022 0:00	11/4/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.3	34.605902	-0.05436	-0.634738
11/5/2022 1:00	11/4/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.83	39.614469	2.500491	-0.720189
11/5/2022 2:00	11/4/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.46	44.030632	0.692174	-1.121542
11/5/2022 3:00	11/4/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.71	29.125288	0.993094	-0.581139
11/5/2022 4:00	11/5/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	19.21	19.73376	0.938599	-0.415673
11/5/2022 5:00	11/5/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.93	34.869153	3.348594	-0.408608
11/5/2022 6:00	11/5/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.92	29.187191	2.52407	-0.256045
11/5/2022 7:00	11/5/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	16.6	17.714835	1.309298	-0.19113
11/5/2022 8:00	11/5/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	14.82	15.696032	1.093165	-0.221299
11/5/2022 9:00	11/5/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	14.23	14.911493	0.923104	-0.242445
11/5/2022 10:00	11/5/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.1	23.582719	1.908605	-0.424219
11/5/2022 11:00	11/5/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.03	34.828843	3.338116	-0.534273
11/5/2022 12:00	11/5/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23.68	25.470307	2.189975	-0.397169
11/5/2022 13:00	11/5/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.18	29.596284	2.803855	-0.387571
11/5/2022 14:00	11/5/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.73	32.306129	2.975739	-0.396277
11/5/2022 15:00	11/5/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.88	35.677667	3.104824	-0.307157
11/5/2022 16:00	11/5/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.44	30.715324	2.602421	-0.323764
11/5/2022 17:00	11/5/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.16	39.702812	2.999174	-0.455528
11/5/2022 18:00	11/5/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.27	28.14155	1.305151	-0.436935
11/5/2022 19:00	11/5/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.19	31.628246	0.899384	-0.463638
11/5/2022 20:00	11/5/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.75	28.916548	0.759861	-0.594146
11/5/2022 21:00	11/5/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.07	24.977405	-0.399918	-0.687677
11/5/2022 22:00	11/5/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.6	27.899747	-1.754258	-0.942661
11/5/2022 23:00	11/5/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.44	42.217287	-0.067745	-1.158301
11/6/2022 0:00	11/5/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.98	32.318959	2.106022	-0.767063
11/6/2022 1:00	11/5/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.41	31.805809	3.016443	-0.624801
11/6/2022 2:00	11/5/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.37	27.126402	2.439135	-0.678566
11/6/2022 3:00	11/5/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	21.34	21.524163	0.733166	-0.55317
11/6/2022 4:00	11/6/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	19.64	18.20757	-1.019421	-0.417175
11/6/2022 5:00	11/6/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	11.2	9.466652	-1.520681	-0.213501
11/6/2022 6:00	11/6/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	11.99	11.296146	-0.536784	-0.160403
11/6/2022 7:00	11/6/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	9.69	7.911267	-1.655157	-0.126076
11/6/2022 8:00	11/6/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	11.36	10.21099	-1.012822	-0.135355
11/6/2022 9:00	11/6/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	11.19	9.808568	-1.262895	-0.115204
11/6/2022 10:00	11/6/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	13.81	13.031563	-0.64767	-0.129934
11/6/2022 11:00	11/6/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	13.37	14.010395	0.775869	-0.131307
11/6/2022 12:00	11/6/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	12.03	12.719823	0.834126	-0.142636
11/6/2022 13:00	11/6/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	14.62	14.995773	0.590598	-0.214825
11/6/2022 14:00	11/6/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.95	49.39882	5.295603	-0.850117
11/6/2022 15:00	11/6/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	21.23	20.976931	0.400604	-0.656173
11/6/2022 16:00	11/6/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.29	30.371559	-13.314246	-1.605028
11/6/2022 17:00	11/6/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.4	36.500867	-12.055168	-1.841466
11/6/2022 18:00	11/6/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.83	34.693344	-8.516609	-1.618381
11/6/2022 19:00	11/6/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.99	55.415069	-6.233995	-2.340103
11/6/2022 20:00	11/6/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.5	27.964622	-11.943106	-1.588939
11/6/2022 21:00	11/6/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.45	45.806861	-17.203336	-2.434804
11/6/2022 22:00	11/6/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.12	77.911102	-7.29305	-2.915015
11/6/2022 23:00	11/6/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.66	48.100935	-6.809423	-1.749642
11/7/2022 0:00	11/6/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.55	36.80313	2.333778	-1.076481
11/7/2022 1:00	11/6/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.01	49.99134	4.322509	-1.337003
11/7/2022 2:00	11/6/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.38	37.051894	2.557769	-0.886708
11/7/2022 3:00	11/6/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.1	30.904747	1.498174	-0.695093
11/7/2022 4:00	11/6/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.22	23.782647	0.068155	-0.501341
11/7/2022 5:00	11/7/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	16.81	16.678005	0.051879	-0.187207
11/7/2022 6:00	11/7/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	15.6	16.212105	0.724658	-0.112553
11/7/2022 7:00	11/7/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	11	10.946308	0.025529	-0.080888
11/7/2022 8:00	11/7/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	10.76	10.777191	0.095236	-0.081378
11/7/2022 9:00	11/7/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	13.1	13.383532	0.386389	-0.097857
11/7/2022 10:00	11/7/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.86	32.959119	3.250961	-0.150175
11/7/2022 11:00	11/7/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44	38.736824	-4.867387	-0.393289
11/7/2022 12:00	11/7/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.1	47.588293	-17.024425	-0.483949
11/7/2022 13:00	11/7/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.67	51.400699	-18.144947	-0.119354
11/7/2022 14:00	11/7/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.05	43.662118	-23.232344	-0.157205
11/7/2022 15:00	11/7/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.81	39.403804	-24.082181	-0.319849
11/7/2022 16:00	11/7/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.52	37.467695	-30.519272	-0.528034
11/7/2022 17:00	11/7/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.15	56.664881	-27.763508	-0.723278
11/7/2022 18:00	11/7/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	126.39	100.696503	-24.667003	-1.026494
11/7/2022 19:00	11/7/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.11	57.883018	-29.105722	-1.12376
11/7/2022 20:00	11/7/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	120.89	88.177045	-30.705249	-2.00854
11/7/2022 21:00	11/7/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.68	55.642435	-25.120669	-1.91523
11/7/2022 22:00	11/7/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	155.83	142.891628	-7.589422	-5.353117
11/7/2022 23:00	11/7/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.4	46.052413	2.979932	-1.32502
11/8/2022 0:00	11/7/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.48	38.281423	2.694369	-0.892946
11/8/2022 1:00	11/7/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.08	29.625731	2.126256	-0.584692
11/8/2022 2:00	11/7/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.96	39.656084	2.523061	-0.82781
11/8/2022 3:00	11/7/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.48	46.596531	1.942586	-0.821888
11/8/2022 4:00	11/7/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	14.18	14.641036	0.700638	-0.243769
11/8/2022 5:00	11/8/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	17.92	19.292892	1.614509	-0.245784
11/8/2022 6:00	11/8/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	17.76	19.563173	1.934852	-0.135845
11/8/2022 7:00	11/8/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	15.92	17.62703	1.820055	-0.109692
11/8/2022 8:00	11/8/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	18.45	19.869314	1.565082	-0.141602
11/8/2022 9:00	11/8/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	18.15	18.868585	0.84375	-0.125999
11/8/2022 10:00	11/8/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	17.9	18.703949	1.02682	-0.222871
11/8/2022 11:00	11/8/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.49	27.937478	1.053675	-0.602863
11/8/2022 12:00	11/8/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.66	26.803001	0.630892	-0.492057
11/8/2022 13:00	11/8/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.28	24.764604	0.77809	-0.297652
11/8/2022 14:00	11/8/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.48	52.0858	3.808558	-0.201926
11/8/2022 15:00	11/8/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.6	32.796061	0.640122	-0.439061
11/8/2022 16:00	11/8/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.97	33.579666	0.191968	-0.583969
11/8/2022 17:00	11/8/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.4	53.219774	-0.486897	-0.690829
11/8/2022 18:00	11/8/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.69	45.479914	-0.733059	-0.478694
11/8/2022 19:00	11/8/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.94	52.338453	-0.972832	-0.626215
11/8/2022 20:00	11/8/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.01	37.012345	-0.231797	-0.761691
11/8/2022 21:00	11/8/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.67	42.369211	-0.201115	-1.09634
11/8/2022 22:00	11/8/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.7	53.951672	-1.644933	-2.098395
11/8/2022 23:00	11/8/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.57	55.860802	-1.346825	-2.36154
11/9/2022 0:00	11/8/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.89	49.819122	0.15374	-2.223784
11/9/2022 1:00	11/8/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.68	55.15142	-0.146733	-2.380181
11/9/2022 2:00	11/8/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.96	51.619053	-0.318037	-2.01791
11/9/2022 3:00	11/8/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.35	43.5773	0	-1.769366
11/9/2022 4:00	11/8/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.28	31.906657	0	-1.368343
11/9/2022 5:00	11/9/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.58	26.60751	0.042752	-1.010242

11/9/2022 6:00	11/9/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.26	30.23025	-0.059942	-0.968142
11/9/2022 7:00	11/9/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.02	29.084943	-0.150307	-0.783917
11/9/2022 8:00	11/9/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.7	31.618219	0.729827	-0.811608
11/9/2022 9:00	11/9/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.23	26.829747	0.371694	-0.767781
11/9/2022 10:00	11/9/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.31	31.01413	0.424437	-0.718641
11/9/2022 11:00	11/9/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.23	73.800783	2.636255	-2.062139
11/9/2022 12:00	11/9/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.85	37.75161	-0.019089	-1.080968
11/9/2022 13:00	11/9/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.82	33.656299	0.562937	-0.725804
11/9/2022 14:00	11/9/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.75	35.999464	0.546792	-0.293161
11/9/2022 15:00	11/9/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.51	43.083358	-0.708889	0.27808
11/9/2022 16:00	11/9/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.11	55.772932	-1.024147	0.691246
11/9/2022 17:00	11/9/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.43	38.38729	-0.444735	0.402858
11/9/2022 18:00	11/9/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.61	38.5092	-0.469017	0.370717
11/9/2022 19:00	11/9/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.14	41.807713	-0.589296	0.253675
11/9/2022 20:00	11/9/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.33	49.432764	-0.891481	-0.003256
11/9/2022 21:00	11/9/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.62	42.31457	-1.008662	-0.292602
11/9/2022 22:00	11/9/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.85	45.897524	-2.133209	-0.823433
11/9/2022 23:00	11/9/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.45	35.687015	-0.936786	-0.827865
11/10/2022 0:00	11/9/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.33	34.353534	-0.1213	-0.859333
11/10/2022 1:00	11/9/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.92	48.177027	-0.560991	-1.185316
11/10/2022 2:00	11/9/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.88	43.5473	-0.3344	-0.996634
11/10/2022 3:00	11/9/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.65	35.342353	-0.316807	-0.994174
11/10/2022 4:00	11/9/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.14	30.097257	0.97181	-1.017886
11/10/2022 5:00	11/10/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.69	25.791056	0.971011	-0.873289
11/10/2022 6:00	11/10/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.23	26.151545	0.782032	-0.862154
11/10/2022 7:00	11/10/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	23.78	23.647684	0.708325	-0.843975
11/10/2022 8:00	11/10/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.8	23.756548	-0.181553	-0.859399
11/10/2022 9:00	11/10/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.49	25.723957	0.138054	-0.906597
11/10/2022 10:00	11/10/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.58	36.863607	-0.370496	-1.343397
11/10/2022 11:00	11/10/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.56	35.940286	1.711107	-1.334154
11/10/2022 12:00	11/10/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.62	45.083134	0.080521	-1.61572
11/10/2022 13:00	11/10/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.53	35.600811	1.817263	-0.744785
11/10/2022 14:00	11/10/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.32	35.431406	2.646207	-0.534801
11/10/2022 15:00	11/10/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.25	31.926135	1.889248	-0.213947
11/10/2022 16:00	11/10/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.25	106.943602	2.742596	-0.051495
11/10/2022 17:00	11/10/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.26	33.437611	2.211336	-0.029558
11/10/2022 18:00	11/10/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.92	47.172514	-4.598615	-0.144704
11/10/2022 19:00	11/10/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.83	53.480515	-15.622704	-0.722614
11/10/2022 20:00	11/10/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.83	37.09662	-3.057484	-0.673396
11/10/2022 21:00	11/10/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.55	53.192829	-7.643217	-0.713955
11/10/2022 22:00	11/10/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.8	57.005514	-2.607	-1.190819
11/10/2022 23:00	11/10/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.31	42.459937	-0.099883	-0.751013
11/11/2022 0:00	11/10/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.39	33.946206	-1.718853	-0.724108
11/11/2022 1:00	11/10/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.41	36.919555	-6.569413	-0.919365
11/11/2022 2:00	11/10/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.09	32.059012	-2.585876	-0.447613
11/11/2022 3:00	11/10/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.02	27.630864	0.003453	-0.387589
11/11/2022 4:00	11/10/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.39	23.98872	-0.089728	-0.315719
11/11/2022 5:00	11/11/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.14	35.249597	-1.777645	-0.115258
11/11/2022 6:00	11/11/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.39	48.652514	4.802472	0.461709
11/11/2022 7:00	11/11/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.15	35.400452	2.935986	0.319466
11/11/2022 8:00	11/11/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.08	25.706193	1.495781	0.135412
11/11/2022 9:00	11/11/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.63	28.384303	1.519894	0.234409
11/11/2022 10:00	11/11/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.62	47.892758	3.755104	0.514321
11/11/2022 11:00	11/11/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.38	31.642284	0.188489	0.078794
11/11/2022 12:00	11/11/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.06	39.803225	-6.511779	0.254171
11/11/2022 13:00	11/11/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.76	66.181712	-28.804805	0.22235
11/11/2022 14:00	11/11/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.65	47.817492	-36.598927	-0.232748
11/11/2022 15:00	11/11/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.98	82.055469	-37.071628	-0.850402
11/11/2022 16:00	11/11/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.6	44.029965	-38.330605	-1.241096
11/11/2022 17:00	11/11/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.94	39.796788	-38.497569	-1.64481
11/11/2022 18:00	11/11/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.97	44.184538	-38.487221	-2.294909
11/11/2022 19:00	11/11/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.86	45.536119	-38.630422	-2.690126
11/11/2022 20:00	11/11/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.68	43.489996	-38.877018	-3.315486
11/11/2022 21:00	11/11/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.18	52.253277	-34.916035	-4.014021
11/11/2022 22:00	11/11/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.37	62.479788	-24.905438	-4.980607
11/11/2022 23:00	11/11/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.16	48.545424	-23.219762	-3.398147
11/12/2022 0:00	11/11/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.22	65.433875	-28.711278	-4.077347
11/12/2022 1:00	11/11/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.75	49.876379	-29.480133	-3.390988
11/12/2022 2:00	11/11/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.38	43.699823	-29.793691	-2.888986
11/12/2022 3:00	11/11/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.68	41.831698	-23.642785	-2.209683
11/12/2022 4:00	11/11/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.04	44.253855	-1.551271	-1.230709
11/12/2022 5:00	11/12/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.02	51.373699	-2.474494	-1.166807
11/12/2022 6:00	11/12/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.65	39.562127	-1.478993	-0.607213
11/12/2022 7:00	11/12/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.26	44.089298	-1.791414	-0.376789
11/12/2022 8:00	11/12/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.53	32.876374	-0.612089	-0.041538
11/12/2022 9:00	11/12/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.66	41.362709	0.61184	0.089203
11/12/2022 10:00	11/12/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.94	66.847512	2.517591	0.392421
11/12/2022 11:00	11/12/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.23	34.65714	1.242594	0.18538
11/12/2022 12:00	11/12/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.08	39.506964	2.245179	0.186785
11/12/2022 13:00	11/12/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.54	37.738359	1.915227	0.288133
11/12/2022 14:00	11/12/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.23	45.596169	2.988526	0.375976
11/12/2022 15:00	11/12/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.46	55.187637	4.559442	0.172362
11/12/2022 16:00	11/12/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.95	47.115112	3.331299	-0.16452
11/12/2022 17:00	11/12/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.56	57.865205	-2.300626	-0.393336
11/12/2022 18:00	11/12/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.1	46.736757	-6.826552	-0.531691
11/12/2022 19:00	11/12/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.87	47.684245	-1.653227	-0.532528
11/12/2022 20:00	11/12/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.45	35.743547	1.78307	-0.492857
11/12/2022 21:00	11/12/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.65	49.283208	-6.538002	-0.832956
11/12/2022 22:00	11/12/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.31	51.672187	-3.786831	-0.847649
11/12/2022 23:00	11/12/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.29	54.824313	2.063233	-0.52392
11/13/2022 0:00	11/12/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.41	52.658195	2.571631	-0.320936
11/13/2022 1:00	11/12/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.73	55.078634	-0.076062	-0.571971
11/13/2022 2:00	11/12/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.03	34.431143	1.695644	-0.293668
11/13/2022 3:00	11/12/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.8	42.507813	0.946993	-0.240847
11/13/2022 4:00	11/12/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.62	35.542818	0.905782	0.01287
11/13/2022 5:00	11/13/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.63	47.553922	1.591448	0.334975
11/13/2022 6:00	11/13/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.49	41.529401	1.655255	0.38748
11/13/2022 7:00	11/13/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.67	35.454736	1.509103	0.273133
11/13/2022 8:00	11/13/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.69	37.648379	1.594487	0.362225
11/13/2022 9:00	11/13/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.84	35.842941	1.581013	0.425261
11/13/2022 10:00	11/13/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.06	37.053799	1.648839	0.349127
11/13/2022 11:00	11/13/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.18	37.384749	1.001229	0.20102
11/13/2022 12:00	11/13/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.01	50.088801	4.780373	0.294261
11/13/2022 13:00	11/13/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.66	62.140077	5.165616	0.312794
11/13/2022 14:00	11/13/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.5	43.603673	2.779424	0.321749
11/13/2022 15:00	11/13/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.77	41.561494	2.318932	0.468395
11/13/2022 16:00	11/13/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.85	41.683544	2.314241	0.521803

11/13/2022 17:00	11/13/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.65	47.485655	3.449754	0.384235
11/13/2022 18:00	11/13/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.2	46.784733	3.345361	0.242705
11/13/2022 19:00	11/13/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.28	45.276192	3.752232	0.248127
11/13/2022 20:00	11/13/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.45	37.584569	3.041197	0.094205
11/13/2022 21:00	11/13/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.29	56.425199	5.580163	-0.444964
11/13/2022 22:00	11/13/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.93	71.161664	6.387709	-1.157712
11/13/2022 23:00	11/13/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.84	64.12618	5.11656	-0.831213
11/14/2022 0:00	11/13/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.14	69.744592	6.507824	-0.901565
11/14/2022 1:00	11/13/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.64	54.925895	4.667056	-0.377828
11/14/2022 2:00	11/13/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.2	50.562168	4.559886	-0.198551
11/14/2022 3:00	11/13/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.85	49.505966	4.870445	-0.20948
11/14/2022 4:00	11/13/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.92	47.40337	4.531193	-0.047822
11/14/2022 5:00	11/14/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.07	42.608042	3.66939	-0.130515
11/14/2022 6:00	11/14/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.07	65.889324	7.234247	-0.41159
11/14/2022 7:00	11/14/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.44	43.882244	3.773747	-0.332336
11/14/2022 8:00	11/14/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.36	53.302467	5.475075	-0.533441
11/14/2022 9:00	11/14/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.31	67.31255	8.140499	-1.14045
11/14/2022 10:00	11/14/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.83	53.673281	5.952631	-1.10435
11/14/2022 11:00	11/14/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.4	70.086436	7.041648	-2.358546
11/14/2022 12:00	11/14/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.69	82.516477	7.908086	-3.079943
11/14/2022 13:00	11/14/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.53	54.820227	4.775864	-1.483137
11/14/2022 14:00	11/14/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.54	62.324203	5.568195	-0.787326
11/14/2022 15:00	11/14/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.28	69.273024	6.1939	-0.198376
11/14/2022 16:00	11/14/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.13	66.874367	5.915309	-0.165942
11/14/2022 17:00	11/14/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.28	82.57873	8.397524	-0.097961
11/14/2022 18:00	11/14/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.08	60.221689	5.38321	-0.236521
11/14/2022 19:00	11/14/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.17	49.478582	3.658262	-0.353013
11/14/2022 20:00	11/14/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.39	47.575671	2.639909	-0.449238
11/14/2022 21:00	11/14/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.92	62.092715	3.019132	-0.843084
11/14/2022 22:00	11/14/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.34	89.167588	5.254749	-2.431327
11/14/2022 23:00	11/14/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.73	67.936263	4.075826	-1.865397
11/15/2022 0:00	11/14/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.38	57.113477	2.925116	-2.195805
11/15/2022 1:00	11/14/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.47	52.294838	3.050266	-2.222927
11/15/2022 2:00	11/14/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.78	58.938522	5.189033	-2.028844
11/15/2022 3:00	11/14/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.28	87.03032	9.495352	-2.747532
11/15/2022 4:00	11/14/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.5	44.524571	1.394856	-1.372785
11/15/2022 5:00	11/15/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.34	45.096659	2.095548	-1.340556
11/15/2022 6:00	11/15/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.16	40.182796	1.435317	-1.411688
11/15/2022 7:00	11/15/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.08	47.448981	2.044677	-1.677363
11/15/2022 8:00	11/15/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.74	47.858962	1.832838	-1.717209
11/15/2022 9:00	11/15/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.69	57.346592	3.796497	-2.141572
11/15/2022 10:00	11/15/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.14	51.013286	2.086296	-2.216343
11/15/2022 11:00	11/15/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.41	46.05821	-11.052299	-3.296157
11/15/2022 12:00	11/15/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.87	53.703089	-16.397681	-3.76423
11/15/2022 13:00	11/15/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.22	117.913208	-7.222195	-5.080431
11/15/2022 14:00	11/15/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.21	92.179556	2.892876	-2.92082
11/15/2022 15:00	11/15/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.3	68.552924	3.073234	-1.821977
11/15/2022 16:00	11/15/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.39	89.733001	3.906005	-1.560504
11/15/2022 17:00	11/15/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.09	102.974114	5.522179	-1.633066
11/15/2022 18:00	11/15/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.28	97.254046	4.772442	-1.802563
11/15/2022 19:00	11/15/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.61	80.021947	2.601792	-2.189845
11/15/2022 20:00	11/15/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.62	63.979515	-1.245318	-2.395167
11/15/2022 21:00	11/15/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.9	63.648909	-21.343763	-3.903162
11/15/2022 22:00	11/15/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	133.15	64.138537	-62.747252	-6.267544
11/15/2022 23:00	11/15/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.57	61.169528	-23.693094	-3.704045
11/16/2022 0:00	11/15/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.9	68.664272	-4.484817	-2.749245
11/16/2022 1:00	11/15/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.77	70.20968	3.775329	-2.33315
11/16/2022 2:00	11/15/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.49	60.164344	1.808274	-2.13143
11/16/2022 3:00	11/15/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.51	59.522461	2.323745	-2.310451
11/16/2022 4:00	11/15/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.49	46.913315	0.170758	-1.743276
11/16/2022 5:00	11/16/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.96	49.959185	0	-2.000815
11/16/2022 6:00	11/16/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.59	48.654596	0	-1.938738
11/16/2022 7:00	11/16/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.76	44.890257	0	-1.867243
11/16/2022 8:00	11/16/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.67	47.386314	-1.300731	-1.977955
11/16/2022 9:00	11/16/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.29	50.445914	-6.644001	-2.195918
11/16/2022 10:00	11/16/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.76	45.279279	-4.81917	-1.663218
11/16/2022 11:00	11/16/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.56	67.339105	-1.805754	-2.414308
11/16/2022 12:00	11/16/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.12	69.103617	1.385829	-2.399712
11/16/2022 13:00	11/16/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.55	66.243284	2.671209	-1.981258
11/16/2022 14:00	11/16/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.1	52.911954	0.961424	-1.151137
11/16/2022 15:00	11/16/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.4	53.919303	-4.528825	-0.949372
11/16/2022 16:00	11/16/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.94	52.71849	-3.239223	-0.979786
11/16/2022 17:00	11/16/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.35	51.227401	-3.168096	-0.95117
11/16/2022 18:00	11/16/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.27	57.551862	-3.520172	-1.202133
11/16/2022 19:00	11/16/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.28	48.958904	-4.999005	-1.323758
11/16/2022 20:00	11/16/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.4	49.155982	-7.561576	-1.679942
11/16/2022 21:00	11/16/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.16	54.522048	-5.311501	-2.326451
11/16/2022 22:00	11/16/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.88	64.834097	-8.692849	-3.355554
11/16/2022 23:00	11/16/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.79	61.561018	-9.244737	-2.982579
11/17/2022 0:00	11/16/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.76	66.321758	-10.299247	-3.133996
11/17/2022 1:00	11/16/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.9	56.649353	-8.814417	-2.440397
11/17/2022 2:00	11/16/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.42	52.541687	-6.622104	-2.258709
11/17/2022 3:00	11/16/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.07	43.692472	-8.598969	-1.777726
11/17/2022 4:00	11/16/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.64	44.95356	-7.167447	-1.522327
11/17/2022 5:00	11/17/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.83	43.351376	-8.382146	-1.095644
11/17/2022 6:00	11/17/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.13	40.395272	-8.719176	-1.014719
11/17/2022 7:00	11/17/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.13	43.805455	-7.320968	-1.005244
11/17/2022 8:00	11/17/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.72	46.212945	-7.270147	-1.241074
11/17/2022 9:00	11/17/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.51	40.359656	-5.788113	-1.361398
11/17/2022 10:00	11/17/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.88	51.991474	-14.906936	-1.976589
11/17/2022 11:00	11/17/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.2	59.223801	-21.554775	-3.418924
11/17/2022 12:00	11/17/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.69	87.351106	-15.704398	-4.629496
11/17/2022 13:00	11/17/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.93	45.186907	-10.255321	-1.483606
11/17/2022 14:00	11/17/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.91	53.620588	-4.341715	-0.943531
11/17/2022 15:00	11/17/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.85	50.1979	-3.829553	-0.821714
11/17/2022 16:00	11/17/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.56	56.873968	-3.646855	-1.036677
11/17/2022 17:00	11/17/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.28	62.49751	-3.434769	-1.346889
11/17/2022 18:00	11/17/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.62	59.259371	-3.897075	-1.466054
11/17/2022 19:00	11/17/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.28	57.83678	-3.755697	-1.685857
11/17/2022 20:00	11/17/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.16	52.020382	-3.282305	-1.859813
11/17/2022 21:00	11/17/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.89	75.127544	-2.070448	-3.688675
11/17/2022 22:00	11/17/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	125.98	93.119068	-26.616101	-6.246497
11/17/2022 23:00	11/17/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.29	72.612871	-30.648629	-5.026833
11/18/2022 0:00	11/17/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.75	76.701578	-8.658528	-4.384894
11/18/2022 1:00	11/17/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.6	55.839163	-6.379579	-3.382091
11/18/2022 2:00	11/17/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.93	58.056285	-5.425251	-3.452631
11/18/2022 3:00	11/17/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.36	58.458134	-4.441141	-3.461559

11/18/2022 4:00	11/17/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.67	52.59042	-3.072261	-3.005652
11/18/2022 5:00	11/18/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.11	82.916978	2.192844	-4.381699
11/18/2022 6:00	11/18/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.46	87.905547	1.752038	-5.307325
11/18/2022 7:00	11/18/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.22	44.897121	-16.200318	-4.123394
11/18/2022 8:00	11/18/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.91	48.349045	-3.184981	-3.370974
11/18/2022 9:00	11/18/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.79	45.677605	-5.651604	-3.458291
11/18/2022 10:00	11/18/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.58	31.060557	-31.077167	-4.440609
11/18/2022 11:00	11/18/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92	54.983997	-31.045719	-5.971951
11/18/2022 12:00	11/18/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	104.74	91.214879	-7.114635	-6.412153
11/18/2022 13:00	11/18/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.85	51.076577	-2.715785	-3.061805
11/18/2022 14:00	11/18/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.62	57.042158	-1.918977	-2.657199
11/18/2022 15:00	11/18/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.43	52.872694	-2.635561	-1.919244
11/18/2022 16:00	11/18/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.15	54.720916	-1.611071	-1.817179
11/18/2022 17:00	11/18/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.64	54.632666	-2.1314	-1.875101
11/18/2022 18:00	11/18/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.32	53.850436	-1.523662	-1.942569
11/18/2022 19:00	11/18/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.23	54.14923	-1.94728	-2.129323
11/18/2022 20:00	11/18/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.65	53.207295	-2.029248	-2.415124
11/18/2022 21:00	11/18/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.93	55.270465	-8.565354	-3.090014
11/18/2022 22:00	11/18/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.32	79.349899	-6.527553	-4.443382
11/18/2022 23:00	11/18/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.35	74.80309	-2.459336	-3.083407
11/19/2022 0:00	11/18/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.79	65.710113	-2.61426	-2.46646
11/19/2022 1:00	11/18/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.75	59.294758	-1.348973	-2.102935
11/19/2022 2:00	11/18/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.31	57.535401	0.174636	-1.946735
11/19/2022 3:00	11/18/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.2	61.074813	-0.898672	-2.229848
11/19/2022 4:00	11/18/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.46	57.363456	0.036983	-2.136861
11/19/2022 5:00	11/19/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.83	54.104302	0.45835	-2.188215
11/19/2022 6:00	11/19/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.95	52.788817	0.203673	-2.366522
11/19/2022 7:00	11/19/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.39	49.98946	-0.042639	-2.353735
11/19/2022 8:00	11/19/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.15	52.735196	0.107265	-2.521236
11/19/2022 9:00	11/19/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.83	47.707908	-1.525678	-2.596413
11/19/2022 10:00	11/19/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.46	45.193766	-2.700787	-2.569613
11/19/2022 11:00	11/19/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.31	47.057599	-2.434082	-2.820819
11/19/2022 12:00	11/19/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.66	53.859483	-3.47613	-3.326054
11/19/2022 13:00	11/19/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54	48.233148	-2.922892	-2.844793
11/19/2022 14:00	11/19/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.35	41.881356	-1.31077	-2.154541
11/19/2022 15:00	11/19/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.52	46.73999	-1.555542	-2.221135
11/19/2022 16:00	11/19/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.99	44.102529	-1.641961	-2.244677
11/19/2022 17:00	11/19/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46	42.550822	-1.33512	-2.114892
11/19/2022 18:00	11/19/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.42	39.240029	-1.105255	-2.069716
11/19/2022 19:00	11/19/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.73	39.713425	-0.941877	-2.073865
11/19/2022 20:00	11/19/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.3	45.154428	-1.531831	-2.616241
11/19/2022 21:00	11/19/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.63	51.081982	-2.183537	-3.361148
11/19/2022 22:00	11/19/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.95	59.786414	-2.858815	-4.308104
11/19/2022 23:00	11/19/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.26	57.116873	-3.119809	-4.025818
11/20/2022 0:00	11/19/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.15	50.665131	-3.062874	-3.424496
11/20/2022 1:00	11/19/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.59	49.125097	-2.305908	-3.154829
11/20/2022 2:00	11/19/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.06	47.637314	-2.449318	-2.972534
11/20/2022 3:00	11/19/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.1	35.885573	-14.305361	-2.904066
11/20/2022 4:00	11/19/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.1	30.061957	-26.267141	-2.765902
11/20/2022 5:00	11/20/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.44	48.481272	-2.306049	-2.651013
11/20/2022 6:00	11/20/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.09	49.969444	-3.400679	-2.722377
11/20/2022 7:00	11/20/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.53	57.417687	-0.661599	-2.451547
11/20/2022 8:00	11/20/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.63	51.825346	0	-1.803821
11/20/2022 9:00	11/20/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.2	51.460659	0.003313	-1.745154
11/20/2022 10:00	11/20/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.91	50.554007	0.244952	-1.605111
11/20/2022 11:00	11/20/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.97	54.623651	0.605829	-1.947178
11/20/2022 12:00	11/20/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.96	67.777499	1.982399	-2.161566
11/20/2022 13:00	11/20/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.18	66.402213	1.88025	-1.662204
11/20/2022 14:00	11/20/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.39	53.755824	0.544376	-1.180219
11/20/2022 15:00	11/20/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.17	52.283023	0.211676	-1.101987
11/20/2022 16:00	11/20/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.81	51.202914	-0.187522	-1.422064
11/20/2022 17:00	11/20/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.13	51.114088	-0.457507	-1.561738
11/20/2022 18:00	11/20/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.63	49.820083	-0.013389	-1.793195
11/20/2022 19:00	11/20/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.7	46.997292	0.344842	-2.051717
11/20/2022 20:00	11/20/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.72	48.347282	0.9681	-2.335818
11/20/2022 21:00	11/20/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.25	53.62559	0.750498	-3.374074
11/20/2022 22:00	11/20/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.54	86.375114	0.778975	-5.945528
11/20/2022 23:00	11/20/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.14	62.215409	-0.54632	-4.381604
11/21/2022 0:00	11/20/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.02	65.059697	-3.082171	-4.875632
11/21/2022 1:00	11/20/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.22	67.416783	-9.330647	-5.469237
11/21/2022 2:00	11/20/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.46	36.876956	-21.40505	-4.17966
11/21/2022 3:00	11/20/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.36	43.827246	-14.24679	-4.285964
11/21/2022 4:00	11/20/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.69	33.380146	-16.604742	-3.709278
11/21/2022 5:00	11/21/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.84	25.252674	-21.847724	-3.735436
11/21/2022 6:00	11/21/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.92	15.734884	-33.415997	-3.768286
11/21/2022 7:00	11/21/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.17	40.363197	-12.69071	-4.116927
11/21/2022 8:00	11/21/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.23	52.543275	-4.895542	-4.78785
11/21/2022 9:00	11/21/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.52	52.36399	-7.685823	-5.469354
11/21/2022 10:00	11/21/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.28	48.633332	-3.957274	-4.691894
11/21/2022 11:00	11/21/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	113.75	86.633622	-17.326169	-9.791876
11/21/2022 12:00	11/21/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	166.22	126.666342	-25.375536	-14.176456
11/21/2022 13:00	11/21/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.05	56.429787	-5.14785	-4.46903
11/21/2022 14:00	11/21/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.66	53.986524	-4.098267	-3.573542
11/21/2022 15:00	11/21/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.63	49.53912	-3.16464	-2.924573
11/21/2022 16:00	11/21/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.42	48.813197	-2.692542	-2.913427
11/21/2022 17:00	11/21/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.59	48.641444	-1.111758	-2.836799
11/21/2022 18:00	11/21/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.33	47.111672	-1.537153	-2.681175
11/21/2022 19:00	11/21/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.12	47.342175	-0.944556	-2.837436
11/21/2022 20:00	11/21/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.43	51.030256	-0.966498	-3.43658
11/21/2022 21:00	11/21/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.87	53.745832	-0.66135	-3.459484
11/21/2022 22:00	11/21/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.77	72.18264	-2.747929	-4.842765
11/21/2022 23:00	11/21/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.28	68.54154	0	-3.74096
11/22/2022 0:00	11/21/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.4	58.36555	0	-3.030283
11/22/2022 1:00	11/21/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.14	57.500923	0	-2.63991
11/22/2022 2:00	11/21/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.53	54.250302	0	-2.275532
11/22/2022 3:00	11/21/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.54	62.263222	0	-2.274278
11/22/2022 4:00	11/21/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.33	51.439924	0	-1.891743
11/22/2022 5:00	11/22/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.23	63.037913	-0.160964	-2.028624
11/22/2022 6:00	11/22/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.11	63.369022	-0.000859	-1.739285
11/22/2022 7:00	11/22/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.13	56.349208	-0.070653	-1.705139
11/22/2022 8:00	11/22/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.07	57.975444	0	-2.095389
11/22/2022 9:00	11/22/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.46	53.342029	0.049733	-2.167704
11/22/2022 10:00	11/22/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.36	67.77051	3.357365	-2.948522
11/22/2022 11:00	11/22/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.68	71.459805	-5.834399	-4.382462
11/22/2022 12:00	11/22/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.04	83.389179	-7.305899	-5.344922
11/22/2022 13:00	11/22/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.02	65.437986	-1.472858	-3.111657
11/22/2022 14:00	11/22/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.09	58.645343	-0.455627	-1.992363

11/22/2022 15:00	11/22/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.85	54.708348	0.035334	-1.173653
11/22/2022 16:00	11/22/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.42	52.563883	0	-0.857784
11/22/2022 17:00	11/22/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.47	50.548266	0	-0.922568
11/22/2022 18:00	11/22/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.01	50.825358	0	-1.187142
11/22/2022 19:00	11/22/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.82	48.271066	0	-1.5531
11/22/2022 20:00	11/22/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.69	47.914056	0	-1.775111
11/22/2022 21:00	11/22/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.66	65.44518	0	-2.218154
11/22/2022 22:00	11/22/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.53	67.18314	0	-2.347693
11/22/2022 23:00	11/22/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.03	65.212973	0	-1.819527
11/23/2022 0:00	11/22/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.02	56.104608	0	-1.918726
11/23/2022 1:00	11/22/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.67	54.303679	-0.307564	-2.058757
11/23/2022 2:00	11/22/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.96	50.039522	0	-1.924644
11/23/2022 3:00	11/22/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.74	44.997913	0	-1.74292
11/23/2022 4:00	11/22/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.17	42.339544	0	-1.826289
11/23/2022 5:00	11/23/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.56	44.652313	0.022843	-1.93303
11/23/2022 6:00	11/23/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.27	44.295193	0.905935	-1.884076
11/23/2022 7:00	11/23/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.52	44.251555	1.60082	-1.869265
11/23/2022 8:00	11/23/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.38	49.295259	3.846426	-1.927
11/23/2022 9:00	11/23/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.36	53.081912	2.777529	-2.052284
11/23/2022 10:00	11/23/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.36	50.96085	2.986661	-2.384144
11/23/2022 11:00	11/23/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.75	61.379515	-10.529417	-3.837735
11/23/2022 12:00	11/23/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.04	67.934914	0.281046	-3.383632
11/23/2022 13:00	11/23/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.99	60.557675	0.062942	-2.496101
11/23/2022 14:00	11/23/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.62	61.65608	0.08827	-2.04719
11/23/2022 15:00	11/23/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.16	77.556984	0.093192	-1.697041
11/23/2022 16:00	11/23/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.03	56.316627	0	-0.714207
11/23/2022 17:00	11/23/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	131.37	129.600151	0	-1.772349
11/23/2022 18:00	11/23/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.18	48.010858	0	-1.165808
11/23/2022 19:00	11/23/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.56	46.342757	0	-1.219743
11/23/2022 20:00	11/23/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.68	48.128123	0	-1.552711
11/23/2022 21:00	11/23/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.31	53.530849	-0.018681	-1.75547
11/23/2022 22:00	11/23/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.75	65.999573	0	-2.745427
11/23/2022 23:00	11/23/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.17	53.838752	-0.930079	-2.405336
11/24/2022 0:00	11/23/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.74	50.252368	-0.232747	-2.251551
11/24/2022 1:00	11/23/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.87	43.923647	0.107066	-2.049252
11/24/2022 2:00	11/23/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.35	46.947258	0.760592	-2.163334
11/24/2022 3:00	11/23/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.16	44.07792	0.790097	-1.872177
11/24/2022 4:00	11/23/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.44	37.494475	0.774612	-1.721804
11/24/2022 5:00	11/24/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.81	45.095728	0.185942	-1.904381
11/24/2022 6:00	11/24/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.03	40.610895	0.267941	-1.684546
11/24/2022 7:00	11/24/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.25	42.766104	0.188758	-1.66932
11/24/2022 8:00	11/24/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.28	46.515836	0	-1.76833
11/24/2022 9:00	11/24/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.34	46.545218	0	-1.796449
11/24/2022 10:00	11/24/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.83	49.059045	0.147994	-1.921449
11/24/2022 11:00	11/24/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.18	51.139957	1.048561	-2.091104
11/24/2022 12:00	11/24/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.83	50.131961	0.390484	-2.09019
11/24/2022 13:00	11/24/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.98	46.693109	0.606447	-1.889172
11/24/2022 14:00	11/24/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.64	42.183413	0.046861	-1.505948
11/24/2022 15:00	11/24/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.97	55.682921	0	-1.287912
11/24/2022 16:00	11/24/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.56	50.699023	0	-0.860144
11/24/2022 17:00	11/24/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.74	46.130092	0	-0.613241
11/24/2022 18:00	11/24/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.37	41.723283	0.00356	-0.646944
11/24/2022 19:00	11/24/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.7	40.902071	0	-0.798763
11/24/2022 20:00	11/24/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.54	40.584384	0	-0.951449
11/24/2022 21:00	11/24/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.8	39.640806	0	-1.15836
11/24/2022 22:00	11/24/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.06	39.795468	0	-1.261199
11/24/2022 23:00	11/24/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.14	38.052735	0	-1.088099
11/25/2022 0:00	11/24/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.79	37.605136	0	-1.184031
11/25/2022 1:00	11/24/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.35	36.995058	0	-1.354109
11/25/2022 2:00	11/24/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.13	36.598611	0	-1.532223
11/25/2022 3:00	11/24/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.29	36.510133	0	-1.7807
11/25/2022 4:00	11/24/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.63	36.813493	0	-1.817341
11/25/2022 5:00	11/25/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.92	38.814404	0	-2.107263
11/25/2022 6:00	11/25/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.7	32.328173	-3.334897	-2.038598
11/25/2022 7:00	11/25/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.84	6.210721	-23.780924	-1.847522
11/25/2022 8:00	11/25/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.23	34.218108	0	-2.007725
11/25/2022 9:00	11/25/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.22	27.315569	-5.855906	-2.051858
11/25/2022 10:00	11/25/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.94	34.885496	0	-2.049504
11/25/2022 11:00	11/25/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.44	35.59525	0	-1.841417
11/25/2022 12:00	11/25/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.21	37.579989	0	-1.625011
11/25/2022 13:00	11/25/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.54	40.18626	0	-1.355407
11/25/2022 14:00	11/25/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.73	45.247033	0	-1.482967
11/25/2022 15:00	11/25/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.1	43.588558	0	-1.508109
11/25/2022 16:00	11/25/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.71	42.354643	0	-1.355357
11/25/2022 17:00	11/25/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.82	41.6013	0	-1.217866
11/25/2022 18:00	11/25/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.27	40.196546	0	-1.070954
11/25/2022 19:00	11/25/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.55	39.441041	0	-1.108959
11/25/2022 20:00	11/25/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.2	39.045145	0	-1.157355
11/25/2022 21:00	11/25/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.47	43.36728	0	-1.101053
11/25/2022 22:00	11/25/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.46	51.032121	0	-1.431213
11/25/2022 23:00	11/25/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46	45.003869	0	-1.000298
11/26/2022 0:00	11/25/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.02	45.08999	0	-0.925843
11/26/2022 1:00	11/25/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.64	42.687886	0	-0.950447
11/26/2022 2:00	11/25/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.31	41.214646	0	-1.090354
11/26/2022 3:00	11/25/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.14	41.905057	0	-1.23411
11/26/2022 4:00	11/25/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.42	41.088979	0	-1.329354
11/26/2022 5:00	11/26/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.79	41.649636	0	-1.135364
11/26/2022 6:00	11/26/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.27	41.263752	0	-1.002915
11/26/2022 7:00	11/26/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.51	39.471751	0	-1.040749
11/26/2022 8:00	11/26/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.36	42.097354	0	-1.261813
11/26/2022 9:00	11/26/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.47	37.853555	-0.301373	-1.315072
11/26/2022 10:00	11/26/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.99	40.492098	-0.020535	-1.4807
11/26/2022 11:00	11/26/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.2	48.406074	0	-1.798093
11/26/2022 12:00	11/26/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.62	49.120151	0.078945	-1.573794
11/26/2022 13:00	11/26/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.44	47.052296	0	-1.385204
11/26/2022 14:00	11/26/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.5	37.338411	0	-1.164923
11/26/2022 15:00	11/26/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.97	40.055895	0	-0.914938
11/26/2022 16:00	11/26/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.54	38.699882	0	-0.843451
11/26/2022 17:00	11/26/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.88	36.84343	0	-1.033237
11/26/2022 18:00	11/26/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.38	37.36082	0	-1.017513
11/26/2022 19:00	11/26/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.31	38.233861	0	-1.073639
11/26/2022 20:00	11/26/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.38	38.375241	0	-1.008926
11/26/2022 21:00	11/26/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.5	69.334785	1.532282	-1.694997
11/26/2022 22:00	11/26/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.09	54.260594	0	-1.83274
11/26/2022 23:00	11/26/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.72	52.702048	0	-2.020452
11/27/2022 0:00	11/26/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.4	50.753139	0.281086	-1.929613
11/27/2022 1:00	11/26/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.05	46.314064	0.162025	-1.892961

11/27/2022 2:00	11/26/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.36	43.594013	0	-1.767654
11/27/2022 3:00	11/26/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.59	56.273	0	-2.318667
11/27/2022 4:00	11/26/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.4	40.53406	0	-1.86844
11/27/2022 5:00	11/27/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.93	41.169799	0	-1.759368
11/27/2022 6:00	11/27/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.33	40.886227	0	-1.444606
11/27/2022 7:00	11/27/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.73	43.528671	0	-1.201329
11/27/2022 8:00	11/27/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.52	41.358825	-0.063558	-1.100117
11/27/2022 9:00	11/27/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.65	38.225915	-0.112853	-1.308732
11/27/2022 10:00	11/27/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.54	34.815451	0.649568	-1.369951
11/27/2022 11:00	11/27/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.4	11.664403	-19.170909	-1.561354
11/27/2022 12:00	11/27/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.98	-7.006328	-39.532779	-1.450215
11/27/2022 13:00	11/27/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.94	41.948212	-2.073507	-1.917448
11/27/2022 14:00	11/27/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.04	128.072124	-1.208193	-5.759683
11/27/2022 15:00	11/27/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.45	51.965124	0.084748	-2.572957
11/27/2022 16:00	11/27/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.45	45.819557	0	-2.631277
11/27/2022 17:00	11/27/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.91	45.967094	0	-2.945406
11/27/2022 18:00	11/27/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.34	40.710203	-0.763565	-2.868732
11/27/2022 19:00	11/27/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.58	45.387969	-2.936306	-3.256559
11/27/2022 20:00	11/27/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.69	40.29718	0	-2.39032
11/27/2022 21:00	11/27/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.68	53.932213	0	-2.743621
11/27/2022 22:00	11/27/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.24	64.076609	0	-3.158392
11/27/2022 23:00	11/27/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.44	69.923731	0	-2.514602
11/28/2022 0:00	11/27/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.07	58.543966	0.020592	-1.54496
11/28/2022 1:00	11/27/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.7	87.173025	6.020266	-1.548908
11/28/2022 2:00	11/27/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.86	53.514934	0.529268	-0.876834
11/28/2022 3:00	11/27/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.75	59.149389	0	-0.600611
11/28/2022 4:00	11/27/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.07	47.717683	0	-0.35315
11/28/2022 5:00	11/28/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.06	44.003997	0	-0.051836
11/28/2022 6:00	11/28/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.35	42.323192	0	-0.025975
11/28/2022 7:00	11/28/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.75	40.721056	0	-0.032277
11/28/2022 8:00	11/28/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.99	39.063552	0	0.072718
11/28/2022 9:00	11/28/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.4	39.453651	0	0.049484
11/28/2022 10:00	11/28/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.48	45.691767	0	0.213433
11/28/2022 11:00	11/28/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.06	48.251119	0	0.188619
11/28/2022 12:00	11/28/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.78	57.883495	-0.002504	0.110999
11/28/2022 13:00	11/28/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.09	56.295444	-0.001313	0.211756
11/28/2022 14:00	11/28/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.48	62.891745	-17.992698	0.405276
11/28/2022 15:00	11/28/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.38	55.515767	-7.163902	0.299669
11/28/2022 16:00	11/28/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.76	61.224856	-3.576931	0.046787
11/28/2022 17:00	11/28/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.58	65.166754	-5.149895	-0.262518
11/28/2022 18:00	11/28/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.25	54.992811	-1.029727	-0.229129
11/28/2022 19:00	11/28/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.03	53.510054	-1.167374	-0.354239
11/28/2022 20:00	11/28/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.03	50.636916	-0.886561	-0.50319
11/28/2022 21:00	11/28/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.33	64.663668	-1.721893	-0.944439
11/28/2022 22:00	11/28/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.75	76.172579	-12.709736	-1.870185
11/28/2022 23:00	11/28/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.35	60.2877	-7.807108	-1.259359
11/29/2022 0:00	11/28/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.16	57.933498	0.120561	-1.347063
11/29/2022 1:00	11/28/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.54	52.302235	0.136475	-1.370908
11/29/2022 2:00	11/28/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.24	55.933474	0.04643	-1.354622
11/29/2022 3:00	11/28/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.89	62.976037	0.002374	-1.91217
11/29/2022 4:00	11/28/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.89	62.733333	-0.091246	-2.068754
11/29/2022 5:00	11/29/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.98	53.102884	-0.076851	-1.798599
11/29/2022 6:00	11/29/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.41	48.621421	-0.038062	-1.748018
11/29/2022 7:00	11/29/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.22	51.797217	-0.547492	-1.876957
11/29/2022 8:00	11/29/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.67	47.819928	-0.882275	-1.966131
11/29/2022 9:00	11/29/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.82	44.02889	-0.753226	-2.035384
11/29/2022 10:00	11/29/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.43	46.563491	-0.566553	-2.29829
11/29/2022 11:00	11/29/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.64	57.943627	-1.298334	-3.393873
11/29/2022 12:00	11/29/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.04	91.480635	-12.11074	-6.451125
11/29/2022 13:00	11/29/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.18	51.642704	-0.625143	-2.914653
11/29/2022 14:00	11/29/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.67	50.838136	-1.234172	-2.59936
11/29/2022 15:00	11/29/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.18	47.756982	-1.056053	-2.366965
11/29/2022 16:00	11/29/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.67	40.164413	-0.533339	-1.976415
11/29/2022 17:00	11/29/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.28	42.075645	-0.196072	-2.009117
11/29/2022 18:00	11/29/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.84	39.137363	0.083186	-1.782489
11/29/2022 19:00	11/29/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.39	38.421104	-0.225778	-1.739785
11/29/2022 20:00	11/29/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.22	41.89857	-2.438163	-1.8841
11/29/2022 21:00	11/29/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.62	52.719888	-3.466966	-2.433146
11/29/2022 22:00	11/29/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.38	69.249165	-5.502455	-3.630047
11/29/2022 23:00	11/29/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.12	69.979955	-2.702875	-3.43717
11/30/2022 0:00	11/29/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.32	51.549351	-1.787127	-2.981022
11/30/2022 1:00	11/29/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.53	44.390905	-3.387833	-2.753762
11/30/2022 2:00	11/29/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.56	44.058188	-3.889277	-2.611702
11/30/2022 3:00	11/29/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.22	38.408378	-0.901574	-1.912548
11/30/2022 4:00	11/29/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.41	36.999565	-0.575666	-1.833102
11/30/2022 5:00	11/30/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.47	36.983961	-0.600544	-1.882162
11/30/2022 6:00	11/30/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.73	35.889932	-0.169538	-1.668863
11/30/2022 7:00	11/30/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.21	35.459149	-0.155852	-1.596666
11/30/2022 8:00	11/30/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.93	33.290289	-1.996105	-1.642773
11/30/2022 9:00	11/30/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.2	32.71354	-1.87136	-1.6126
11/30/2022 10:00	11/30/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.98	33.949959	-2.467485	-1.557556
11/30/2022 11:00	11/30/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.22	45.729916	-1.928569	-1.561515
11/30/2022 12:00	11/30/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.62	62.723782	-1.612008	-1.28421
11/30/2022 13:00	11/30/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.1	62.77857	-1.441786	-0.881311
11/30/2022 14:00	11/30/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.26	66.322246	-0.460518	-1.481403
11/30/2022 15:00	11/30/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.57	68.69073	0.189769	-2.070706
11/30/2022 16:00	11/30/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.15	60.12846	0.349805	-2.369679
11/30/2022 17:00	11/30/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.33	67.89784	-1.654455	-2.781039
11/30/2022 18:00	11/30/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.44	52.240883	-0.097039	-2.105411
11/30/2022 19:00	11/30/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.42	44.159582	-0.627854	-1.630064
11/30/2022 20:00	11/30/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.63	42.962685	-1.178707	-1.487775
11/30/2022 21:00	11/30/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.72	50.381499	-1.770917	-1.56425
11/30/2022 22:00	11/30/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.04	65.462166	-2.684374	-1.894293
11/30/2022 23:00	11/30/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.55	68.91107	-3.997528	-1.640569
12/1/2022 0:00	11/30/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.99	59.292235	-2.41386	-1.284737
12/1/2022 1:00	11/30/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.51	54.002262	-2.347433	-1.159472
12/1/2022 2:00	11/30/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.69	54.857633	-2.399303	-1.433898
12/1/2022 3:00	11/30/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.29	48.98933	-1.896593	-1.400744
12/1/2022 4:00	11/30/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.32	45.38254	-0.641809	-1.298151
12/1/2022 5:00	12/1/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.21	64.604494	-2.525248	-2.077759
12/1/2022 6:00	12/1/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.57	62.632817	-2.561838	-2.377012
12/1/2022 7:00	12/1/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.55	59.111162	-2.33052	-2.109985
12/1/2022 8:00	12/1/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.09	50.464025	-1.063536	-1.559106
12/1/2022 9:00	12/1/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.09	67.696366	-3.492022	-1.899112
12/1/2022 10:00	12/1/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.69	48.925156	0.535229	-1.297573
12/1/2022 11:00	12/1/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.12	127.810969	1.562176	-3.868707
12/1/2022 12:00	12/1/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	118.21	114.792515	0.185796	-3.603281

12/1/2022 13:00	12/1/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.58	85.374095	1.251617	-1.454189
12/1/2022 14:00	12/1/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.89	61.674104	0.289881	-0.504943
12/1/2022 15:00	12/1/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60	59.080363	-0.325853	-0.592951
12/1/2022 16:00	12/1/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.59	59.446501	-0.175443	0.034445
12/1/2022 17:00	12/1/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.7	57.612091	-0.268442	0.185533
12/1/2022 18:00	12/1/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.4	51.240904	-0.111648	-0.043281
12/1/2022 19:00	12/1/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.42	50.138428	-0.103606	-0.175467
12/1/2022 20:00	12/1/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.39	50.198586	-0.619077	-0.572337
12/1/2022 21:00	12/1/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.21	64.148365	0.465358	-1.530327
12/1/2022 22:00	12/1/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	172.93	154.172123	-12.234023	-6.527188
12/1/2022 23:00	12/1/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.6	128.157184	2.120828	-6.561144
12/2/2022 0:00	12/1/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.92	67.15781	0.348911	-4.1086
12/2/2022 1:00	12/1/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.95	71.855827	1.974566	-4.066239
12/2/2022 2:00	12/1/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.56	59.762755	-0.128861	-3.665051
12/2/2022 3:00	12/1/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.22	51.385522	-0.686319	-3.143159
12/2/2022 4:00	12/1/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.65	56.400778	4.083688	-3.333743
12/2/2022 5:00	12/2/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.83	75.897009	10.076109	-4.013267
12/2/2022 6:00	12/2/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	135.02	75.517165	-52.302211	-7.195624
12/2/2022 7:00	12/2/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.09	81.555241	16.066266	-3.601024
12/2/2022 8:00	12/2/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.65	65.571184	11.973322	-3.056305
12/2/2022 9:00	12/2/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.29	65.292481	15.245125	-3.243477
12/2/2022 10:00	12/2/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.01	44.451865	-9.550794	-4.003175
12/2/2022 11:00	12/2/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.8	69.086788	1.944555	-5.660268
12/2/2022 12:00	12/2/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.6	68.51451	-1.714881	-6.373108
12/2/2022 13:00	12/2/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.52	58.56656	-1.26902	-4.686921
12/2/2022 14:00	12/2/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.54	47.66858	-1.270179	-2.600407
12/2/2022 15:00	12/2/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.96	43.713895	-2.249598	-1.99484
12/2/2022 16:00	12/2/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.36	41.613008	-3.184381	-1.566778
12/2/2022 17:00	12/2/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.88	48.233238	-1.856998	-1.789764
12/2/2022 18:00	12/2/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.56	49.651655	2.837104	-1.747116
12/2/2022 19:00	12/2/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.35	47.878383	-0.672441	-1.799175
12/2/2022 20:00	12/2/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.78	45.224447	-0.407901	-2.142652
12/2/2022 21:00	12/2/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.4	48.488667	0.673529	-2.579862
12/2/2022 22:00	12/2/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.23	48.40376	-0.109211	-2.717029
12/2/2022 23:00	12/2/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.13	48.193835	0.42061	-2.357609
12/3/2022 0:00	12/2/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.95	42.327837	0.49144	-2.116937
12/3/2022 1:00	12/2/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.46	43.446288	0.344368	-2.353913
12/3/2022 2:00	12/2/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.37	45.434522	-0.45256	-2.486252
12/3/2022 3:00	12/2/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.19	38.652763	-1.149709	-2.383361
12/3/2022 4:00	12/2/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.42	35.453389	-0.599618	-2.37116
12/3/2022 5:00	12/3/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.63	37.679885	7.09897	-2.046585
12/3/2022 6:00	12/3/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.88	37.171367	6.211018	-1.919651
12/3/2022 7:00	12/3/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.66	36.593419	6.771495	-1.839743
12/3/2022 8:00	12/3/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.66	34.959497	6.011313	-1.709316
12/3/2022 9:00	12/3/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.84	32.790889	0.780555	-1.832167
12/3/2022 10:00	12/3/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.47	32.638217	0	-1.830117
12/3/2022 11:00	12/3/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.21	32.389261	0	-1.821573
12/3/2022 12:00	12/3/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.26	34.539238	0	-1.721596
12/3/2022 13:00	12/3/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.72	37.034647	0	-1.687854
12/3/2022 14:00	12/3/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.34	47.974759	0	-2.365241
12/3/2022 15:00	12/3/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.12	36.885496	0	-2.237004
12/3/2022 16:00	12/3/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.65	35.393976	-0.090699	-2.161992
12/3/2022 17:00	12/3/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.77	40.27002	-0.284681	-2.219466
12/3/2022 18:00	12/3/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.23	35.194793	-0.198562	-1.835813
12/3/2022 19:00	12/3/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.1	33.237899	-0.159789	-1.703145
12/3/2022 20:00	12/3/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.83	34.870817	-0.308571	-1.653111
12/3/2022 21:00	12/3/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.74	41.742042	-0.400059	-1.602066
12/3/2022 22:00	12/3/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.8	48.145874	-0.200984	-1.456476
12/3/2022 23:00	12/3/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.21	40.304586	0	-0.908748
12/4/2022 0:00	12/3/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.89	36.180455	0	-0.705378
12/4/2022 1:00	12/3/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.59	37.715846	-0.195048	-0.679106
12/4/2022 2:00	12/3/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.25	37.462629	-0.131125	-0.659579
12/4/2022 3:00	12/3/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.45	39.804677	-0.10324	-0.544583
12/4/2022 4:00	12/3/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.46	36.061298	0	-0.402035
12/4/2022 5:00	12/4/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.7	38.319884	0	-0.379283
12/4/2022 6:00	12/4/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.71	39.445465	-0.083052	-0.18565
12/4/2022 7:00	12/4/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.95	42.320814	-0.525507	-0.107011
12/4/2022 8:00	12/4/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.31	46.704558	-0.392357	-0.213085
12/4/2022 9:00	12/4/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.4	37.059124	0	-0.342543
12/4/2022 10:00	12/4/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.96	43.44868	1.044533	-0.556686
12/4/2022 11:00	12/4/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.89	41.991067	-0.096231	-0.800201
12/4/2022 12:00	12/4/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.54	40.927578	1.367346	-0.982269
12/4/2022 13:00	12/4/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.99	38.274249	0.355352	-1.073603
12/4/2022 14:00	12/4/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.69	36.81698	0.207552	-1.08224
12/4/2022 15:00	12/4/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.55	38.465754	0	-1.081746
12/4/2022 16:00	12/4/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.21	37.418457	0.256713	-1.050755
12/4/2022 17:00	12/4/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.94	35.926363	0.172573	-1.182877
12/4/2022 18:00	12/4/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.96	33.757826	0	-1.202174
12/4/2022 19:00	12/4/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.33	33.976574	-0.011798	-1.342461
12/4/2022 20:00	12/4/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.28	34.955606	0.16322	-1.485947
12/4/2022 21:00	12/4/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.19	61.994092	0.296277	-2.489685
12/4/2022 22:00	12/4/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.55	77.489495	1.130986	-4.193991
12/4/2022 23:00	12/4/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.03	80.00145	4.516951	-4.548001
12/5/2022 0:00	12/4/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.73	130.150239	17.617484	-7.196411
12/5/2022 1:00	12/4/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.85	55.519596	1.379638	-3.710042
12/5/2022 2:00	12/4/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.19	49.362442	0.70098	-3.524371
12/5/2022 3:00	12/4/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.66	44.798503	0.310284	-3.170115
12/5/2022 4:00	12/4/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.19	40.126097	-0.242054	-2.821016
12/5/2022 5:00	12/5/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.76	43.119178	0.082117	-2.718772
12/5/2022 6:00	12/5/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.22	46.77126	0.537537	-2.98461
12/5/2022 7:00	12/5/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.66	50.612855	1.039382	-3.08236
12/5/2022 8:00	12/5/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.24	51.359681	0.386766	-3.262918
12/5/2022 9:00	12/5/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.26	57.126688	0.553103	-3.681416
12/5/2022 10:00	12/5/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.38	73.454542	4.987514	-4.915472
12/5/2022 11:00	12/5/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.49	102.021528	7.948217	-7.413356
12/5/2022 12:00	12/5/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	107.71	47.060914	-52.552497	-8.100756
12/5/2022 13:00	12/5/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.13	92.122583	-3.314005	-6.688412
12/5/2022 14:00	12/5/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.77	67.385235	3.013699	-3.394297
12/5/2022 15:00	12/5/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.61	63.25579	2.402912	-1.755456
12/5/2022 16:00	12/5/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.89	59.324083	2.358767	-0.923851
12/5/2022 17:00	12/5/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.94	60.570728	2.493622	-0.862061
12/5/2022 18:00	12/5/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55	56.658408	2.282593	-0.625852
12/5/2022 19:00	12/5/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.06	56.872724	1.454164	-0.644774
12/5/2022 20:00	12/5/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.37	73.589072	2.739822	-1.51575
12/5/2022 21:00	12/5/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64	63.445337	1.357049	-1.907545
12/5/2022 22:00	12/5/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.59	82.412193	3.720047	-2.900354
12/5/2022 23:00	12/5/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.24	70.884499	3.367037	-2.721705

12/6/2022 0:00	12/5/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.7	67.832336	1.917795	-2.784625
12/6/2022 1:00	12/5/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.8	67.955727	3.734457	-2.574564
12/6/2022 2:00	12/5/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.87	59.722749	1.181502	-2.327087
12/6/2022 3:00	12/5/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.49	52.688731	1.964956	-1.767892
12/6/2022 4:00	12/5/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.74	52.216626	-0.007914	-1.516293
12/6/2022 5:00	12/6/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.68	55.442412	-0.19576	-1.045161
12/6/2022 6:00	12/6/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.48	52.164658	1.561313	-0.880822
12/6/2022 7:00	12/6/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.42	46.75897	1.270521	-0.933218
12/6/2022 8:00	12/6/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.72	42.577172	0.647567	-0.792895
12/6/2022 9:00	12/6/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.58	46.104924	0.443017	-0.918093
12/6/2022 10:00	12/6/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.3	49.42262	0.425156	-1.305869
12/6/2022 11:00	12/6/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.44	45.694548	0.857077	-1.605863
12/6/2022 12:00	12/6/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.01	52.709618	1.521677	-1.817894
12/6/2022 13:00	12/6/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.7	50.094355	1.760703	-1.361349
12/6/2022 14:00	12/6/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.21	55.628038	0.765567	-1.348363
12/6/2022 15:00	12/6/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.17	50.799179	0.780934	-1.150089
12/6/2022 16:00	12/6/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.12	58.025394	-0.133146	-0.957293
12/6/2022 17:00	12/6/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.45	56.111916	-0.429622	-0.906795
12/6/2022 18:00	12/6/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.86	57.331137	-0.634277	-0.895419
12/6/2022 19:00	12/6/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.57	46.756611	-0.100956	-0.707434
12/6/2022 20:00	12/6/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.14	95.735912	3.890067	-1.290823
12/6/2022 21:00	12/6/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	172.54	159.962321	-9.455879	-3.1218
12/6/2022 22:00	12/6/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.24	90.595652	5.206537	-1.854218
12/6/2022 23:00	12/6/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.4	75.576835	4.572773	-1.397605
12/7/2022 0:00	12/6/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.18	63.398695	4.436545	-1.214516
12/7/2022 1:00	12/6/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.07	56.400564	3.102944	-0.76738
12/7/2022 2:00	12/6/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.06	70.531549	2.061892	-0.590344
12/7/2022 3:00	12/6/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.89	38.418382	0.829762	-0.30138
12/7/2022 4:00	12/6/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.85	31.456819	-0.208684	-0.184496
12/7/2022 5:00	12/7/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.32	35.875894	-0.335106	-0.109833
12/7/2022 6:00	12/7/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.87	35.621269	-0.364226	0.112995
12/7/2022 7:00	12/7/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.29	32.090873	-0.379998	0.18337
12/7/2022 8:00	12/7/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.65	31.434532	-0.375708	0.161074
12/7/2022 9:00	12/7/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.71	32.780629	-0.081773	0.152401
12/7/2022 10:00	12/7/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.45	37.81339	2.468746	-0.107022
12/7/2022 11:00	12/7/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.36	46.426404	2.318071	-0.250833
12/7/2022 12:00	12/7/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.35	54.505095	2.337747	-0.179319
12/7/2022 13:00	12/7/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.27	88.84073	6.440271	0.129626
12/7/2022 14:00	12/7/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.3	47.60072	1.129436	0.172117
12/7/2022 15:00	12/7/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.44	73.367029	2.671006	0.25769
12/7/2022 16:00	12/7/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.14	56.381577	1.125748	0.114162
12/7/2022 17:00	12/7/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.17	41.214403	-0.03101	0.072914
12/7/2022 18:00	12/7/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.18	70.969035	1.830904	-0.038537
12/7/2022 19:00	12/7/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.29	41.218656	0.000975	-0.073152
12/7/2022 20:00	12/7/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.29	45.651301	-17.377587	-0.260279
12/7/2022 21:00	12/7/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.81	72.956458	-24.316857	-0.540019
12/7/2022 22:00	12/7/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114	90.19782	-22.907332	-0.893182
12/7/2022 23:00	12/7/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.57	59.329874	-24.193023	-0.050437
12/8/2022 0:00	12/7/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.55	48.687704	1.051919	0.088284
12/8/2022 1:00	12/7/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.92	49.116025	2.160374	0.033985
12/8/2022 2:00	12/7/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.96	57.695893	2.736513	0.00438
12/8/2022 3:00	12/7/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.18	36.906648	0.771702	-0.04922
12/8/2022 4:00	12/7/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.35	31.798672	1.607623	-0.156451
12/8/2022 5:00	12/8/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.05	33.922514	-0.137406	0.011586
12/8/2022 6:00	12/8/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.89	32.828105	-0.110465	0.046069
12/8/2022 7:00	12/8/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.37	30.326898	-0.119169	0.080234
12/8/2022 8:00	12/8/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.23	30.16307	-0.1225	0.051404
12/8/2022 9:00	12/8/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.87	35.74586	-0.007904	-0.116236
12/8/2022 10:00	12/8/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.04	54.062375	0.563926	-0.54405
12/8/2022 11:00	12/8/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.64	43.013215	-5.79178	-0.839171
12/8/2022 12:00	12/8/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.2	63.037245	-13.996992	-1.16993
12/8/2022 13:00	12/8/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.85	40.065011	-12.144084	-0.636737
12/8/2022 14:00	12/8/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.01	57.35767	-15.806529	0.157532
12/8/2022 15:00	12/8/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.01	41.272759	-1.97444	0.2422
12/8/2022 16:00	12/8/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.97	83.11018	-23.975905	0.115251
12/8/2022 17:00	12/8/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.98	65.551611	-21.145487	-0.285402
12/8/2022 18:00	12/8/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.31	50.704402	-2.442133	-0.163464
12/8/2022 19:00	12/8/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.16	52.10778	0.113096	-0.160316
12/8/2022 20:00	12/8/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.84	42.799863	-0.695025	-0.344279
12/8/2022 21:00	12/8/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.69	61.942384	-13.510503	-1.238779
12/8/2022 22:00	12/8/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.7	57.319404	-14.882203	-1.49756
12/8/2022 23:00	12/8/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.46	43.932782	-6.385792	-1.138093
12/9/2022 0:00	12/8/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.74	46.582393	3.923314	-1.078421
12/9/2022 1:00	12/8/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.23	46.049788	3.837491	-1.01937
12/9/2022 2:00	12/8/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.08	51.523407	4.526649	-1.087408
12/9/2022 3:00	12/8/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.16	38.013692	1.694937	-0.840411
12/9/2022 4:00	12/8/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.18	36.2003	2.91896	-0.901993
12/9/2022 5:00	12/9/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.05	40.622536	14.382848	-0.805313
12/9/2022 6:00	12/9/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.08	40.383463	11.015602	-0.709639
12/9/2022 7:00	12/9/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.47	39.526903	9.787581	-0.727344
12/9/2022 8:00	12/9/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.19	38.999534	8.693905	-0.881871
12/9/2022 9:00	12/9/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.31	42.962291	8.776509	-1.121718
12/9/2022 10:00	12/9/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.68	44.638775	12.134354	-1.176413
12/9/2022 11:00	12/9/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.13	61.219198	10.274103	-2.185738
12/9/2022 12:00	12/9/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.38	44.969668	0.001616	-2.410281
12/9/2022 13:00	12/9/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.02	36.248864	0.004397	-1.773867
12/9/2022 14:00	12/9/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.68	39.02676	0.69627	-1.34451
12/9/2022 15:00	12/9/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.24	41.524784	0.575918	-1.291967
12/9/2022 16:00	12/9/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.64	42.528974	0.764968	-0.875995
12/9/2022 17:00	12/9/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.8	44.575711	1.298551	-0.52534
12/9/2022 18:00	12/9/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.89	45.187588	0.662563	-0.364975
12/9/2022 19:00	12/9/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.87	47.71078	-0.102225	-0.053663
12/9/2022 20:00	12/9/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.45	41.635251	1.293607	-0.105857
12/9/2022 21:00	12/9/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.24	50.103314	1.180276	-0.311962
12/9/2022 22:00	12/9/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.25	59.737648	0.616751	-1.126603
12/9/2022 23:00	12/9/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.59	46.473871	0	-1.115296
12/10/2022 0:00	12/9/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.34	44.355365	0	-0.985468
12/10/2022 1:00	12/9/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.5	44.779441	0.157908	-0.878467
12/10/2022 2:00	12/9/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.93	45.159058	0.057574	-0.82685
12/10/2022 3:00	12/9/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.81	42.842909	0.002947	-0.970037
12/10/2022 4:00	12/9/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.09	40.021096	0	-1.064737
12/10/2022 5:00	12/10/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.46	47.321071	0	-1.139762
12/10/2022 6:00	12/10/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.38	48.433075	0	-0.942758
12/10/2022 7:00	12/10/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.28	46.49058	0	-0.78692
12/10/2022 8:00	12/10/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.95	43.613663	0.54784	-0.884176
12/10/2022 9:00	12/10/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.88	57.221493	11.344785	-1.002458
12/10/2022 10:00	12/10/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.31	53.258685	12.774983	-0.825465

12/10/2022 11:00	12/10/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.5	43.534295	0.063115	-1.032153
12/10/2022 12:00	12/10/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.06	47.938832	-0.7125	-1.411168
12/10/2022 13:00	12/10/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.39	49.080723	0.037327	-1.349105
12/10/2022 14:00	12/10/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.46	62.550707	0.901723	-0.806849
12/10/2022 15:00	12/10/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.21	140.484272	9.177915	-0.899476
12/10/2022 16:00	12/10/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.55	50.361369	0.08798	-0.276611
12/10/2022 17:00	12/10/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.54	56.110996	-0.345486	-0.082685
12/10/2022 18:00	12/10/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.36	59.275473	-0.066194	-0.015832
12/10/2022 19:00	12/10/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.71	54.180611	-2.167384	-0.358671
12/10/2022 20:00	12/10/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.3	51.892416	-0.6625	-0.746751
12/10/2022 21:00	12/10/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.35	49.092787	0	-1.253046
12/10/2022 22:00	12/10/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.37	61.149433	0	-2.219734
12/10/2022 23:00	12/10/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.29	50.549109	0	-1.744225
12/11/2022 0:00	12/10/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.72	47.054818	0	-1.669349
12/11/2022 1:00	12/10/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.99	46.385552	0	-1.602782
12/11/2022 2:00	12/10/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.66	50.092501	0	-1.564999
12/11/2022 3:00	12/10/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.16	45.024491	0	-1.138842
12/11/2022 4:00	12/10/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.22	41.989109	0	-1.227558
12/11/2022 5:00	12/11/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.88	39.821496	0	-1.055171
12/11/2022 6:00	12/11/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.59	40.706842	0	-0.886491
12/11/2022 7:00	12/11/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.85	40.919842	0	-0.934324
12/11/2022 8:00	12/11/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.32	40.314443	0	-1.008891
12/11/2022 9:00	12/11/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.21	38.58692	0.428481	-1.055728
12/11/2022 10:00	12/11/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.93	40.943792	3.996358	-0.977567
12/11/2022 11:00	12/11/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.6	36.96845	0.361398	-0.994614
12/11/2022 12:00	12/11/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.4	41.088169	5.661602	-0.9701
12/11/2022 13:00	12/11/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.92	44.062142	1.239114	-1.097806
12/11/2022 14:00	12/11/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.74	118.18349	0	-3.553177
12/11/2022 15:00	12/11/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.84	48.198697	0	-1.645469
12/11/2022 16:00	12/11/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.14	50.450546	0	-1.684454
12/11/2022 17:00	12/11/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.8	47.066369	0	-1.731964
12/11/2022 18:00	12/11/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.46	48.098645	0.438757	-1.800945
12/11/2022 19:00	12/11/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.09	47.840725	0.578432	-1.822707
12/11/2022 20:00	12/11/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.96	53.786489	4.681421	-1.851599
12/11/2022 21:00	12/11/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.11	52.668134	2.430549	-1.872416
12/11/2022 22:00	12/11/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.78	67.896716	0	-2.880784
12/11/2022 23:00	12/11/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.25	77.271829	0	-2.979005
12/12/2022 0:00	12/11/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.52	73.878209	0	-2.645124
12/12/2022 1:00	12/11/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.66	68.55163	0	-2.111703
12/12/2022 2:00	12/11/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.82	61.957891	0	-1.85961
12/12/2022 3:00	12/11/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.9	62.169156	0	-1.725844
12/12/2022 4:00	12/11/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.39	48.875323	0	-1.518011
12/12/2022 5:00	12/12/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.44	46.016533	0	-1.424301
12/12/2022 6:00	12/12/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.14	53.348187	1.705071	-1.496884
12/12/2022 7:00	12/12/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.67	49.319962	5.821374	-1.166412
12/12/2022 8:00	12/12/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.84	53.028915	3.457827	-1.271411
12/12/2022 9:00	12/12/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.02	45.023363	3.170719	-1.162356
12/12/2022 10:00	12/12/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.04	42.550332	1.795868	-1.282203
12/12/2022 11:00	12/12/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.11	70.619591	1.899054	-2.387796
12/12/2022 12:00	12/12/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.4	72.948659	-0.002033	-2.452642
12/12/2022 13:00	12/12/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.33	93.575374	12.928615	-2.679908
12/12/2022 14:00	12/12/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.94	68.610823	1.826289	-2.159632
12/12/2022 15:00	12/12/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.33	85.844081	6.258858	-2.744777
12/12/2022 16:00	12/12/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.1	94.826911	11.216307	-3.486063
12/12/2022 17:00	12/12/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.05	68.131604	0.929354	-2.84775
12/12/2022 18:00	12/12/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.61	93.009412	-3.548937	-4.046652
12/12/2022 19:00	12/12/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.14	60.132257	2.476159	-2.488069
12/12/2022 20:00	12/12/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.48	72.294653	6.074263	-3.257944
12/12/2022 21:00	12/12/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	112.65	118.953842	12.887605	-6.586263
12/12/2022 22:00	12/12/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	224.18	174.418997	-35.021054	-14.739949
12/12/2022 23:00	12/12/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.37	73.493438	-1.277552	-4.595677
12/13/2022 0:00	12/12/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.87	74.449443	-1.128035	-4.288356
12/13/2022 1:00	12/12/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.5	100.178515	8.316981	-4.642632
12/13/2022 2:00	12/12/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67	72.38185	8.557996	-3.175313
12/13/2022 3:00	12/12/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.25	62.756007	5.423269	-2.913929
12/13/2022 4:00	12/12/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.33	63.692031	11.885403	-2.525873
12/13/2022 5:00	12/13/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.1	80.277879	25.687517	-2.509638
12/13/2022 6:00	12/13/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.49	73.239018	24.77055	-2.017366
12/13/2022 7:00	12/13/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.17	71.472942	24.368481	-2.065539
12/13/2022 8:00	12/13/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.41	67.008958	17.890578	-2.294119
12/13/2022 9:00	12/13/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.29	80.885806	23.948164	-2.355692
12/13/2022 10:00	12/13/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.37	58.919224	19.157553	-1.610829
12/13/2022 11:00	12/13/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.33	114.549212	5.938765	-6.723719
12/13/2022 12:00	12/13/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	86.56	104.269921	22.803496	-5.095242
12/13/2022 13:00	12/13/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.11	92.699835	19.899392	-4.310391
12/13/2022 14:00	12/13/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.48	90.720829	22.321463	-3.075634
12/13/2022 15:00	12/13/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	121.78	135.94793	18.791876	-4.623947
12/13/2022 16:00	12/13/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.98	99.203755	23.888595	-2.66734
12/13/2022 17:00	12/13/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.34	79.135847	16.754834	-1.962321
12/13/2022 18:00	12/13/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.68	71.321153	16.38151	-1.737023
12/13/2022 19:00	12/13/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.3	67.478093	12.05344	-1.877847
12/13/2022 20:00	12/13/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.16	69.985138	12.260969	-2.431664
12/13/2022 21:00	12/13/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.27	70.407848	4.435492	-3.300978
12/13/2022 22:00	12/13/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.8	71.844869	-4.785277	-5.171521
12/13/2022 23:00	12/13/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.2	59.372391	-3.354639	-4.474637
12/14/2022 0:00	12/13/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.77	68.933974	-6.153376	-5.683483
12/14/2022 1:00	12/13/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.62	77.29409	-5.316599	-6.013478
12/14/2022 2:00	12/13/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.71	65.967873	-0.841755	-4.897039
12/14/2022 3:00	12/13/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.98	71.406006	-3.929857	-5.642471
12/14/2022 4:00	12/13/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.38	70.084774	12.012219	-4.304945
12/14/2022 5:00	12/14/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.91	78.092959	14.014064	-4.834438
12/14/2022 6:00	12/14/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.79	78.020656	17.923274	-4.688452
12/14/2022 7:00	12/14/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.76	74.14012	7.840779	-5.460658
12/14/2022 8:00	12/14/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.29	77.820436	-0.014845	-6.455552
12/14/2022 9:00	12/14/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.92	98.538511	20.163873	-6.542028
12/14/2022 10:00	12/14/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.8	72.753112	5.163772	-6.206493
12/14/2022 11:00	12/14/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.35	64.487811	-15.79716	-9.068363
12/14/2022 12:00	12/14/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	179.05	65.003667	-97.945434	-16.100899
12/14/2022 13:00	12/14/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78.83	56.131578	-16.822871	-5.876385
12/14/2022 14:00	12/14/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.79	78.932116	16.369718	-4.230936
12/14/2022 15:00	12/14/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	81.22	86.482478	10.375551	-5.116406
12/14/2022 16:00	12/14/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.51	82.612448	10.204412	-5.103632
12/14/2022 17:00	12/14/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.71	70.218359	5.070514	-4.562155
12/14/2022 18:00	12/14/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.11	86.959362	15.293325	-4.448129
12/14/2022 19:00	12/14/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72	77.592401	9.781834	-4.191099
12/14/2022 20:00	12/14/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.99	53.423198	-12.821911	-3.743224
12/14/2022 21:00	12/14/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.63	46.330544	-22.162222	-4.133901

12/14/2022 22:00	12/14/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.68	58.321167	-32.73471	-5.620789
12/14/2022 23:00	12/14/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.38	71.939576	-13.528518	-5.906906
12/15/2022 0:00	12/14/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.53	63.606606	-13.681305	-6.24459
12/15/2022 1:00	12/14/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.24	61.732163	-7.009292	-5.496045
12/15/2022 2:00	12/14/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.23	62.87917	-4.062785	-5.292212
12/15/2022 3:00	12/14/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.74	58.063156	-0.378205	-5.296972
12/15/2022 4:00	12/14/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.77	50.481645	3.997272	-4.283961
12/15/2022 5:00	12/15/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.42	52.662364	0.482242	-4.236545
12/15/2022 6:00	12/15/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.34	55.619677	0	-3.720323
12/15/2022 7:00	12/15/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.56	53.073249	0	-3.490085
12/15/2022 8:00	12/15/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.04	54.905115	9.977592	-3.114977
12/15/2022 9:00	12/15/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.07	76.276394	20.663073	-3.453347
12/15/2022 10:00	12/15/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.24	78.680941	21.38396	-2.940519
12/15/2022 11:00	12/15/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.31	74.496783	8.56307	-3.37212
12/15/2022 12:00	12/15/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.3	69.09566	-1.233644	-3.96903
12/15/2022 13:00	12/15/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.13	77.421771	-1.415769	-4.293294
12/15/2022 14:00	12/15/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.45	110.465359	16.979851	-4.967826
12/15/2022 15:00	12/15/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	84.55	93.989268	13.810067	-4.374132
12/15/2022 16:00	12/15/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.16	82.216856	7.274412	-4.216723
12/15/2022 17:00	12/15/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.91	69.367882	8.453486	-3.998937
12/15/2022 18:00	12/15/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	110.36	113.076665	9.63026	-6.910261
12/15/2022 19:00	12/15/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.63	75.362972	4.130258	-4.397286
12/15/2022 20:00	12/15/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.74	58.756481	-0.418332	-3.567687
12/15/2022 21:00	12/15/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.11	60.128272	5.880953	-2.858515
12/15/2022 22:00	12/15/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.2	64.253032	1.073731	-3.024866
12/15/2022 23:00	12/15/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.49	63.608707	-0.250302	-2.631824
12/16/2022 0:00	12/15/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.04	57.605069	-0.220844	-2.20992
12/16/2022 1:00	12/15/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.24	63.110142	-0.686468	-2.441723
12/16/2022 2:00	12/15/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.66	50.441709	-1.030936	-2.185689
12/16/2022 3:00	12/15/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.19	48.829303	-0.407743	-1.950454
12/16/2022 4:00	12/15/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.52	45.387412	-0.098947	-2.029474
12/16/2022 5:00	12/16/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.16	46.712436	0	-2.450897
12/16/2022 6:00	12/16/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.78	46.444098	0	-2.331736
12/16/2022 7:00	12/16/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.12	57.303611	9.14317	-1.956226
12/16/2022 8:00	12/16/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53	53.352008	2.128432	-1.779757
12/16/2022 9:00	12/16/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.2	61.90168	6.820426	-2.116247
12/16/2022 10:00	12/16/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.27	71.908348	-16.170832	-3.194153
12/16/2022 11:00	12/16/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.29	82.685454	-2.240737	-3.36131
12/16/2022 12:00	12/16/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.23	66.680233	-0.97191	-2.575356
12/16/2022 13:00	12/16/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.56	59.573349	-0.185406	-1.797079
12/16/2022 14:00	12/16/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.22	54.619479	0.018392	-1.61558
12/16/2022 15:00	12/16/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.59	61.912753	-0.271939	-1.409474
12/16/2022 16:00	12/16/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.82	55.838069	-0.45965	-1.518115
12/16/2022 17:00	12/16/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.15	58.698113	-0.467313	-1.981241
12/16/2022 18:00	12/16/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.79	56.115736	-0.390585	-2.287012
12/16/2022 19:00	12/16/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.26	54.367864	0.58604	-2.47651
12/16/2022 20:00	12/16/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.82	58.715147	1.692435	-2.796455
12/16/2022 21:00	12/16/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.34	58.751532	1.349398	-2.9337
12/16/2022 22:00	12/16/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.53	63.715687	-0.332972	-3.480508
12/16/2022 23:00	12/16/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.13	56.896335	-0.252979	-2.97652
12/17/2022 0:00	12/16/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.45	57.761647	0.033069	-2.721421
12/17/2022 1:00	12/16/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.38	55.746239	0.040815	-2.67291
12/17/2022 2:00	12/16/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.57	52.085548	0.118117	-2.599236
12/17/2022 3:00	12/16/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.66	52.613127	0.323893	-2.369099
12/17/2022 4:00	12/16/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.03	51.627764	0	-2.398903
12/17/2022 5:00	12/17/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.69	57.854508	0	-2.835492
12/17/2022 6:00	12/17/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.25	51.87252	0.054417	-2.431898
12/17/2022 7:00	12/17/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.47	50.024314	0.690098	-2.137451
12/17/2022 8:00	12/17/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.3	49.234957	0	-2.066709
12/17/2022 9:00	12/17/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.73	44.801438	0	-1.928562
12/17/2022 10:00	12/17/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.23	47.173021	0	-2.060312
12/17/2022 11:00	12/17/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.54	49.325603	0.106032	-2.318762
12/17/2022 12:00	12/17/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.09	57.686765	0.982464	-2.389866
12/17/2022 13:00	12/17/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.04	53.539252	0.641681	-2.139929
12/17/2022 14:00	12/17/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.8	47.919284	0.023959	-1.902176
12/17/2022 15:00	12/17/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.34	54.584308	-0.352977	-2.404382
12/17/2022 16:00	12/17/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.63	53.289645	-0.466667	-2.873688
12/17/2022 17:00	12/17/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.74	52.348887	-0.460833	-2.929446
12/17/2022 18:00	12/17/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.12	52.559266	-0.491176	-3.068725
12/17/2022 19:00	12/17/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.64	49.778119	2.265956	-3.124503
12/17/2022 20:00	12/17/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.16	53.819044	5.960066	-3.301856
12/17/2022 21:00	12/17/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.85	72.761788	5.696838	-4.785051
12/17/2022 22:00	12/17/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.89	66.29576	-0.413105	-5.177802
12/17/2022 23:00	12/17/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.51	61.361286	-0.448333	-4.695381
12/18/2022 0:00	12/17/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.67	56.282416	0	-4.383417
12/18/2022 1:00	12/17/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.25	57.776703	0	-4.474131
12/18/2022 2:00	12/17/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.47	65.767508	5.215578	-4.917236
12/18/2022 3:00	12/17/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.46	58.726423	6.497715	-4.227125
12/18/2022 4:00	12/17/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.47	48.907533	1.914818	-3.472285
12/18/2022 5:00	12/18/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.53	47.403114	0.052315	-3.179201
12/18/2022 6:00	12/18/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.2	50.936962	3.013122	-3.273661
12/18/2022 7:00	12/18/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.64	50.041261	3.322878	-2.91745
12/18/2022 8:00	12/18/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.47	50.314843	5.537805	-2.696295
12/18/2022 9:00	12/18/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.14	45.711758	3.969551	-2.39946
12/18/2022 10:00	12/18/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.23	45.228362	0.531051	-2.534355
12/18/2022 11:00	12/18/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.39	47.618417	-0.940834	-2.827416
12/18/2022 12:00	12/18/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.97	65.756358	-1.167338	-4.042971
12/18/2022 13:00	12/18/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.91	54.473026	-0.325361	-3.106613
12/18/2022 14:00	12/18/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.49	50.698528	0	-2.789806
12/18/2022 15:00	12/18/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.13	53.031574	0	-3.100093
12/18/2022 16:00	12/18/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.73	59.885385	-0.280346	-3.559269
12/18/2022 17:00	12/18/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.52	60.233155	-0.560023	-3.722655
12/18/2022 18:00	12/18/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.13	54.011088	-0.583414	-3.538831
12/18/2022 19:00	12/18/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.21	49.513209	-0.325626	-3.368665
12/18/2022 20:00	12/18/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.32	45.2342	-0.028556	-3.053912
12/18/2022 21:00	12/18/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69	64.524931	-0.012729	-4.464008
12/18/2022 22:00	12/18/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.74	73.309822	-1.783077	-5.643767
12/18/2022 23:00	12/18/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.91	64.411842	-31.756481	-5.745843
12/19/2022 0:00	12/18/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.1	66.761919	-28.915276	-5.419472
12/19/2022 1:00	12/18/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.98	56.997996	-28.548427	-4.436078
12/19/2022 2:00	12/18/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.26	67.926368	-5.340494	-3.992305
12/19/2022 3:00	12/18/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.78	71.174705	-4.254464	-4.349997
12/19/2022 4:00	12/18/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	67.01	60.622153	-2.788456	-3.597724
12/19/2022 5:00	12/19/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.34	66.966488	-2.396631	-3.971881
12/19/2022 6:00	12/19/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	76.64	55.644273	-17.066933	-3.932127
12/19/2022 7:00	12/19/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.74	66.398018	0	-3.345315
12/19/2022 8:00	12/19/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.48	63.06804	0	-3.410294

12/19/2022 9:00	12/19/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.37	64.757936	0	-3.612898
12/19/2022 10:00	12/19/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.41	64.261051	-4.219136	-3.93148
12/19/2022 11:00	12/19/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	99.04	78.277274	-15.002863	-5.75653
12/19/2022 12:00	12/19/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	132.42	108.900229	-15.702857	-7.814414
12/19/2022 13:00	12/19/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	101.44	91.898229	-4.385762	-5.155175
12/19/2022 14:00	12/19/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	78	74.860245	-0.157326	-2.978263
12/19/2022 15:00	12/19/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.75	92.368678	0	-3.380489
12/19/2022 16:00	12/19/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	102.01	98.247751	0.091818	-3.850734
12/19/2022 17:00	12/19/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	94.42	90.898958	0.01911	-3.535153
12/19/2022 18:00	12/19/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.04	84.112741	0	-3.930593
12/19/2022 19:00	12/19/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	108.07	95.827423	-7.415903	-4.830841
12/19/2022 20:00	12/19/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	79.9	71.790923	-3.936317	-4.168593
12/19/2022 21:00	12/19/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.79	75.802762	-3.209134	-4.780604
12/19/2022 22:00	12/19/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.38	101.58619	-6.831631	-6.958846
12/19/2022 23:00	12/19/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	87.84	75.846924	-6.737924	-5.255152
12/20/2022 0:00	12/19/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	97.88	73.871146	-17.444732	-6.564956
12/20/2022 1:00	12/19/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.18	72.922123	-20.530316	-6.731727
12/20/2022 2:00	12/19/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.78	73.16732	-14.366915	-6.244098
12/20/2022 3:00	12/19/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.62	66.349493	-23.410854	-6.860487
12/20/2022 4:00	12/19/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.13	57.120588	-6.82948	-5.181599
12/20/2022 5:00	12/20/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.19	31.404015	-32.616118	-5.171534
12/20/2022 6:00	12/20/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.57	39.624434	-3.980491	-2.967576
12/20/2022 7:00	12/20/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.92	56.795118	-0.103392	-4.024823
12/20/2022 8:00	12/20/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.86	55.877275	-7.141813	-3.840912
12/20/2022 9:00	12/20/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.26	69.642262	2.415418	-4.029823
12/20/2022 10:00	12/20/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	71.57	68.644482	1.464933	-4.388784
12/20/2022 11:00	12/20/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	96.82	78.299154	-11.433838	-7.083674
12/20/2022 12:00	12/20/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	137.23	113.210644	-15.051155	-8.969868
12/20/2022 13:00	12/20/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.94	78.438925	0	-4.497742
12/20/2022 14:00	12/20/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	70.96	67.729532	0	-3.229635
12/20/2022 15:00	12/20/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.58	58.02344	-0.384248	-2.175646
12/20/2022 16:00	12/20/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	60.89	57.91927	-1.121172	-1.848724
12/20/2022 17:00	12/20/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.16	53.533542	0.108884	-1.734509
12/20/2022 18:00	12/20/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.28	52.916176	0.524481	-1.885805
12/20/2022 19:00	12/20/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.22	53.545021	0.23018	-1.904326
12/20/2022 20:00	12/20/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.31	51.181783	0	-2.13155
12/20/2022 21:00	12/20/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	58.29	58.80724	3.19966	-2.685753
12/20/2022 22:00	12/20/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.68	107.674856	20.67848	-4.683624
12/20/2022 23:00	12/20/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.2	87.592461	10.943169	-3.553209
12/21/2022 0:00	12/20/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.1	72.4244	0.428267	-3.103867
12/21/2022 1:00	12/20/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.66	72.110365	0.40215	-2.950119
12/21/2022 2:00	12/20/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.26	80.121298	0.085691	-3.222726
12/21/2022 3:00	12/20/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.96	61.871659	-1.214003	-2.875172
12/21/2022 4:00	12/20/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.71	57.666326	-1.283408	-2.760266
12/21/2022 5:00	12/21/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.65	54.920523	-2.129243	-2.600235
12/21/2022 6:00	12/21/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.65	61.190411	-2.320378	-2.142545
12/21/2022 7:00	12/21/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.16	59.321785	-1.777285	-2.06093
12/21/2022 8:00	12/21/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.45	61.191257	0	-2.257077
12/21/2022 9:00	12/21/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.68	60.342472	0	-2.341695
12/21/2022 10:00	12/21/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.47	58.757877	0.043049	-2.754339
12/21/2022 11:00	12/21/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.19	70.330801	-1.053404	-3.805795
12/21/2022 12:00	12/21/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	100.46	95.322073	-0.251116	-4.889311
12/21/2022 13:00	12/21/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.15	70.825495	-0.031576	-2.287929
12/21/2022 14:00	12/21/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.29	61.169238	0	-1.116596
12/21/2022 15:00	12/21/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.6	52.084414	0.009574	-0.520994
12/21/2022 16:00	12/21/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.04	48.698339	0.040633	-0.382294
12/21/2022 17:00	12/21/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.53	47.468214	0	-0.059286
12/21/2022 18:00	12/21/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.17	49.767326	0.497314	0.100012
12/21/2022 19:00	12/21/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.08	44.943925	0	-0.137742
12/21/2022 20:00	12/21/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.3	46.668327	0	-0.634173
12/21/2022 21:00	12/21/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.75	47.933315	0	-0.812518
12/21/2022 22:00	12/21/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	63.97	62.736879	0.010766	-1.240554
12/21/2022 23:00	12/21/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65	63.882711	0.014102	-1.129725
12/22/2022 0:00	12/21/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.11	49.614866	0.003162	-1.497463
12/22/2022 1:00	12/21/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.41	48.621536	0.005576	-1.797373
12/22/2022 2:00	12/21/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.1	46.11056	0.005545	-1.990819
12/22/2022 3:00	12/21/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.61	41.442693	0.000007	-2.163148
12/22/2022 4:00	12/21/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.82	35.662098	0	-2.161236
12/22/2022 5:00	12/22/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.38	41.924556	0	-2.452111
12/22/2022 6:00	12/22/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.24	41.006229	0	-2.228771
12/22/2022 7:00	12/22/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.72	42.34986	0.002249	-2.374889
12/22/2022 8:00	12/22/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.33	38.204802	0.000322	-2.122187
12/22/2022 9:00	12/22/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.64	35.803209	0	-1.839291
12/22/2022 10:00	12/22/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.35	39.574845	0.004023	-1.775011
12/22/2022 11:00	12/22/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.68	43.819795	0	-1.864372
12/22/2022 12:00	12/22/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.41	48.35265	0.00076	-2.053944
12/22/2022 13:00	12/22/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.26	47.247813	0	-2.009687
12/22/2022 14:00	12/22/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	51.82	49.697821	0	-2.118012
12/22/2022 15:00	12/22/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.56	54.543534	0	-2.0148
12/22/2022 16:00	12/22/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.94	49.17951	0	-1.758823
12/22/2022 17:00	12/22/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	56.75	54.99406	0.173846	-1.932286
12/22/2022 18:00	12/22/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	54.4	52.532449	0	-1.864218
12/22/2022 19:00	12/22/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.87	47.946971	0	-1.923029
12/22/2022 20:00	12/22/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.48	41.730397	0	-1.744603
12/22/2022 21:00	12/22/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.79	41.15688	0	-1.637287
12/22/2022 22:00	12/22/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	48.25	47.079846	0.466772	-1.631926
12/22/2022 23:00	12/22/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.63	46.905579	0.620822	-1.34691
12/23/2022 0:00	12/22/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.13	46.352244	0.16434	-0.938763
12/23/2022 1:00	12/22/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.07	41.454011	0	-0.611823
12/23/2022 2:00	12/22/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.9	44.504389	0	-0.394778
12/23/2022 3:00	12/22/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.86	43.426684	0	-0.437483
12/23/2022 4:00	12/22/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.66	37.135977	0	-0.523189
12/23/2022 5:00	12/23/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.6	36.103407	0	-0.49326
12/23/2022 6:00	12/23/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.66	28.461402	-7.06061	-0.139655
12/23/2022 7:00	12/23/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.93	26.338492	-7.61803	0.024022
12/23/2022 8:00	12/23/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.71	19.962616	-15.923979	0.180762
12/23/2022 9:00	12/23/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	45.87	40.928291	-5.426432	0.486389
12/23/2022 10:00	12/23/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	55.54	51.538836	-4.51268	0.515682
12/23/2022 11:00	12/23/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.44	57.962919	-11.112907	0.634992
12/23/2022 12:00	12/23/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	190.46	149.970658	-41.699122	1.205613
12/23/2022 13:00	12/23/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.06	69.88783	-20.341607	0.169437
12/23/2022 14:00	12/23/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	246.16	228.471435	-19.795441	2.103542
12/23/2022 15:00	12/23/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	520.54	442.505963	-86.616607	8.58007
12/23/2022 16:00	12/23/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	199.27	203.931057	1.980753	2.67947
12/23/2022 17:00	12/23/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	502.07	625.545035	114.295253	9.175615
12/23/2022 18:00	12/23/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	217.75	225.728679	6.200401	1.774945
12/23/2022 19:00	12/23/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	249.28	243.128788	-5.035694	-1.118851

12/23/2022 20:00	12/23/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	456.4	464.678861	11.96884	-3.687478
12/23/2022 21:00	12/23/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	1106.2	1086.29571	1.118025	-21.023149
12/23/2022 22:00	12/23/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	3700	3662.249641	90.87861	-128.62897
12/23/2022 23:00	12/23/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	2006.4	1993.884226	61.162981	-73.675422
12/24/2022 0:00	12/23/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	2677.96	2535.14029	-21.310525	-121.509185
12/24/2022 1:00	12/23/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	2335.7	2118.127328	-112.529334	-105.041672
12/24/2022 2:00	12/23/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	2382.34	2087.281098	-160.157543	-134.903025
12/24/2022 3:00	12/23/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	717.53	531.824222	-145.234271	-40.472341
12/24/2022 4:00	12/23/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	499.31	383.201364	-87.990971	-28.117665
12/24/2022 5:00	12/24/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	1931.54	1714.794975	-103.563941	-113.184418
12/24/2022 6:00	12/24/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	1378.57	1021.156736	-271.775238	-85.638859
12/24/2022 7:00	12/24/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	2832.61	2301.601071	-283.699942	-247.307321
12/24/2022 8:00	12/24/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	3179.56	2615.592789	-297.883936	-266.081608
12/24/2022 9:00	12/24/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	3659.69	2905.677618	-347.34446	-406.666255
12/24/2022 10:00	12/24/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	2866.59	2336.299166	-282.401148	-247.889685
12/24/2022 11:00	12/24/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	1177.99	899.656443	-166.368736	-111.963987
12/24/2022 12:00	12/24/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	1794.75	1401.299467	-200.476776	-192.97459
12/24/2022 13:00	12/24/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	2085.34	1530.290724	-338.397657	-216.653286
12/24/2022 14:00	12/24/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	1326.09	1116.425244	-95.719762	-113.94666
12/24/2022 15:00	12/24/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	954.41	838.849809	-35.484816	-80.077041
12/24/2022 16:00	12/24/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	844.16	710.87382	-60.979313	-72.306868
12/24/2022 17:00	12/24/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	506	426.334368	-39.296176	-40.37029
12/24/2022 18:00	12/24/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	204.8	192.847233	3.75004	-15.698641
12/24/2022 19:00	12/24/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	172.06	158.4503	0.351153	-13.95752
12/24/2022 20:00	12/24/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	290.91	238.883511	-26.032766	-25.991223
12/24/2022 21:00	12/24/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	618.63	443.959045	-112.907624	-61.764997
12/24/2022 22:00	12/24/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	380.55	301.128449	-39.933789	-39.490263
12/24/2022 23:00	12/24/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	184.33	140.286889	-25.989683	-18.055928
12/25/2022 0:00	12/24/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	150.01	115.282889	-19.577657	-15.147787
12/25/2022 1:00	12/24/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	139.76	104.612437	-21.4743	-13.676597
12/25/2022 2:00	12/24/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	210.74	168.743227	-20.906762	-21.094178
12/25/2022 3:00	12/24/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	235.56	190.219052	-22.083627	-23.259821
12/25/2022 4:00	12/24/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	199.39	165.27055	-15.753437	-18.368513
12/25/2022 5:00	12/25/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	207.71	158.27765	-30.452442	-18.984074
12/25/2022 6:00	12/25/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	212.59	94.245461	-97.791554	-20.556318
12/25/2022 7:00	12/25/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	179.04	80.525359	-80.989792	-17.527348
12/25/2022 8:00	12/25/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	134.14	72.741287	-48.456455	-12.937259
12/25/2022 9:00	12/25/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	180.29	83.562291	-79.201989	-17.529888
12/25/2022 10:00	12/25/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.06	62.247939	-13.259798	-7.547263
12/25/2022 11:00	12/25/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	136.12	91.477665	-32.192285	-12.45255
12/25/2022 12:00	12/25/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	244.49	139.328991	-82.873058	-22.284618
12/25/2022 13:00	12/25/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	140.35	70.535802	-57.96253	-11.855834
12/25/2022 14:00	12/25/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	92.78	58.060458	-27.28694	-7.428436
12/25/2022 15:00	12/25/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.6	66.196553	-3.425151	-5.975797
12/25/2022 16:00	12/25/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	53.84	45.586818	-4.279966	-3.969049
12/25/2022 17:00	12/25/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	59.04	54.239641	-0.633281	-4.163745
12/25/2022 18:00	12/25/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.4	39.610634	-0.717035	-3.069832
12/25/2022 19:00	12/25/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.42	39.165365	-1.895431	-3.36337
12/25/2022 20:00	12/25/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	88.48	71.524434	-9.139773	-7.818293
12/25/2022 21:00	12/25/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.47	90.89909	-20.630523	-10.93622
12/25/2022 22:00	12/25/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	130.12	85.842498	-32.899525	-11.37881
12/25/2022 23:00	12/25/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.23	69.962703	-14.123617	-7.140347
12/26/2022 0:00	12/25/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	114.64	85.533529	-20.425332	-8.676973
12/26/2022 1:00	12/25/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	146.23	109.579433	-25.727981	-10.925087
12/26/2022 2:00	12/25/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	225.84	179.37401	-29.517748	-16.945743
12/26/2022 3:00	12/25/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.9	93.835474	-15.146263	-8.913264
12/26/2022 4:00	12/25/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	170.8	155.417059	-3.344123	-12.035484
12/26/2022 5:00	12/26/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	552.51	474.142667	-36.891694	-41.476473
12/26/2022 6:00	12/26/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	215.56	152.261549	-47.468982	-15.82947
12/26/2022 7:00	12/26/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	169.95	92.791661	-64.414643	-12.74703
12/26/2022 8:00	12/26/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	204.96	96.700236	-92.506521	-15.754077
12/26/2022 9:00	12/26/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	169.93	98.690872	-59.101502	-12.139293
12/26/2022 10:00	12/26/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	140.64	109.349455	-21.051993	-10.237719
12/26/2022 11:00	12/26/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	180.16	113.094652	-53.528005	-13.53401
12/26/2022 12:00	12/26/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	253.96	155.975027	-79.230635	-18.756005
12/26/2022 13:00	12/26/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	165.81	136.046359	-18.781411	-10.978064
12/26/2022 14:00	12/26/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	122.02	110.293862	-4.842972	-6.887333
12/26/2022 15:00	12/26/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	85.11	80.321998	-1.156866	-3.627803
12/26/2022 16:00	12/26/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	164.7	148.994124	-8.792542	-6.916668
12/26/2022 17:00	12/26/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	124.14	113.281858	-5.50484	-5.353302
12/26/2022 18:00	12/26/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	142.01	133.056779	-2.40917	-6.545719
12/26/2022 19:00	12/26/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	151.03	138.853708	-4.20196	-7.973499
12/26/2022 20:00	12/26/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	146.59	136.338076	-1.083346	-9.166078
12/26/2022 21:00	12/26/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	173.67	160.963828	-1.279535	-11.42247
12/26/2022 22:00	12/26/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	152.44	133.201879	-9.431022	-9.810433
12/26/2022 23:00	12/26/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	119.25	110.58884	-2.38626	-6.274067
12/27/2022 0:00	12/26/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	142.76	132.224983	-3.205086	-7.33243
12/27/2022 1:00	12/26/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	186.49	174.472506	-1.906323	-10.109505
12/27/2022 2:00	12/26/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	171.32	141.761511	-20.401888	-9.160768
12/27/2022 3:00	12/26/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	155.48	141.721594	-5.760586	-8.001153
12/27/2022 4:00	12/26/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.7	62.285415	0.005221	-3.417306
12/27/2022 5:00	12/27/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	109.68	104.484402	0.353618	-5.551716
12/27/2022 6:00	12/27/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.94	70.497052	0.020617	-3.458565
12/27/2022 7:00	12/27/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.25	71.143141	0.043893	-3.149085
12/27/2022 8:00	12/27/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.41	78.412335	-0.827076	-3.170589
12/27/2022 9:00	12/27/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	57.28	54.85029	-0.464368	-1.963675
12/27/2022 10:00	12/27/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	69.52	66.333834	-0.587081	-2.598251
12/27/2022 11:00	12/27/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	80.07	75.050998	-0.939696	-4.083473
12/27/2022 12:00	12/27/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	137.62	128.701505	-0.600325	-8.314837
12/27/2022 13:00	12/27/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	115.89	105.483022	-3.388999	-7.020479
12/27/2022 14:00	12/27/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	91.74	88.015871	1.339579	-5.067875
12/27/2022 15:00	12/27/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	74.68	71.089137	0.613535	-4.205231
12/27/2022 16:00	12/27/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	83.8	79.775592	0.698595	-4.719669
12/27/2022 17:00	12/27/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	66.43	63.089816	0	-3.335184
12/27/2022 18:00	12/27/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.72	58.360713	0.03455	-3.39217
12/27/2022 19:00	12/27/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	68.29	65.613367	2.057795	-4.734427
12/27/2022 20:00	12/27/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	61.8	54.755903	-1.879957	-5.165807
12/27/2022 21:00	12/27/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	98.41	70.741541	-18.872217	-8.793743
12/27/2022 22:00	12/27/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.79	75.286873	-21.326209	-9.178585
12/27/2022 23:00	12/27/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	89.82	66.441572	-15.385822	-7.995939
12/28/2022 0:00	12/27/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	93.85	72.647752	-12.568935	-8.635813
12/28/2022 1:00	12/27/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.68	62.844926	-7.435476	-7.398765
12/28/2022 2:00	12/27/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	62.87	48.530175	-8.274002	-6.065823
12/28/2022 3:00	12/27/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	77.14	65.842751	-4.149318	-7.151265
12/28/2022 4:00	12/27/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	82.11	72.043141	-2.456073	-7.613287
12/28/2022 5:00	12/28/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	90.89	80.666114	-1.922383	-8.296503
12/28/2022 6:00	12/28/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	65.29	57.945059	-1.505419	-5.840356

12/28/2022 7:00	12/28/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	75.71	67.314446	-1.261269	-7.133452
12/28/2022 8:00	12/28/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	73.76	64.922176	-1.773493	-7.064331
12/28/2022 9:00	12/28/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	105.78	60.19696	-35.4661	-10.112773
12/28/2022 10:00	12/28/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	106.63	46.419675	-49.66928	-10.536046
12/28/2022 11:00	12/28/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	95.75	28.273908	-58.196946	-9.27748
12/28/2022 12:00	12/28/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	117.35	21.857219	-84.29349	-11.195125
12/28/2022 13:00	12/28/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	72.9	45.717884	-20.418383	-6.763733
12/28/2022 14:00	12/28/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	64.3	48.845191	-9.83035	-5.622793
12/28/2022 15:00	12/28/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.78	41.807876	0.499767	-3.466892
12/28/2022 16:00	12/28/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.52	33.812978	-0.985181	-2.722674
12/28/2022 17:00	12/28/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.7	36.08983	0.066874	-2.680377
12/28/2022 18:00	12/28/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	46.3	43.705937	0.849536	-3.446099
12/28/2022 19:00	12/28/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.62	31.598645	-4.957108	-3.061748
12/28/2022 20:00	12/28/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.7	35.390518	-1.287039	-3.025777
12/28/2022 21:00	12/28/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	39.79	33.951426	-2.790434	-3.04564
12/28/2022 22:00	12/28/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	49.12	43.516615	-1.706095	-3.89979
12/28/2022 23:00	12/28/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.02	48.680822	0.635462	-3.97464
12/29/2022 0:00	12/28/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	44.9	38.807715	-2.694782	-3.392503
12/29/2022 1:00	12/28/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.67	34.307641	-4.185513	-3.173513
12/29/2022 2:00	12/28/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.07	33.439648	-4.526593	-3.107093
12/29/2022 3:00	12/28/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	40.99	33.643369	-4.285349	-3.057115
12/29/2022 4:00	12/28/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.01	30.28833	-3.864517	-2.859653
12/29/2022 5:00	12/29/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	41.41	34.745125	-3.512404	-3.154138
12/29/2022 6:00	12/29/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.47	31.473659	-4.120642	-2.877365
12/29/2022 7:00	12/29/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.91	29.973734	-4.058659	-2.876774
12/29/2022 8:00	12/29/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.68	27.855487	-3.97482	-2.853027
12/29/2022 9:00	12/29/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	38.62	31.277304	-4.15171	-3.186819
12/29/2022 10:00	12/29/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	43.6	34.359109	-5.465007	-3.78005
12/29/2022 11:00	12/29/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	47.09	36.201445	-6.733416	-4.153473
12/29/2022 12:00	12/29/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	52.2	39.092839	-8.399617	-4.706711
12/29/2022 13:00	12/29/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	50.15	30.303664	-15.682388	-4.162281
12/29/2022 14:00	12/29/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	36.99	29.674458	-4.569576	-2.748466
12/29/2022 15:00	12/29/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.04	23.433212	-2.83306	-1.768728
12/29/2022 16:00	12/29/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.71	30.111214	0.151363	-1.745982
12/29/2022 17:00	12/29/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	28.15	26.560749	-0.118893	-1.472857
12/29/2022 18:00	12/29/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.19	25.800466	-0.063779	-1.328255
12/29/2022 19:00	12/29/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.41	26.18703	0.099482	-1.317452
12/29/2022 20:00	12/29/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.56	27.75658	-1.312083	-1.488004
12/29/2022 21:00	12/29/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.15	27.520869	-1.865127	-1.760671
12/29/2022 22:00	12/29/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	37.39	30.409975	-4.610534	-2.368658
12/29/2022 23:00	12/29/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.81	28.193931	-3.411168	-2.204901
12/30/2022 0:00	12/29/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.61	25.517365	-4.880535	-2.2071
12/30/2022 1:00	12/29/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.8	23.750455	-4.018151	-2.033894
12/30/2022 2:00	12/29/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.71	22.000859	-3.822277	-1.881865
12/30/2022 3:00	12/29/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.41	22.207478	-3.345632	-1.85189
12/30/2022 4:00	12/29/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.69	21.517947	-3.32498	-1.848739
12/30/2022 5:00	12/30/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.87	25.775732	-0.07509	-2.015845
12/30/2022 6:00	12/30/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.36	22.934348	-1.493337	-1.931482
12/30/2022 7:00	12/30/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.74	23.862254	0	-1.875246
12/30/2022 8:00	12/30/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.23	24.344996	0	-1.887504
12/30/2022 9:00	12/30/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.61	24.813563	-0.003033	-1.792571
12/30/2022 10:00	12/30/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.38	26.049133	0.402116	-1.734649
12/30/2022 11:00	12/30/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.86	30.575312	0.659777	-1.939466
12/30/2022 12:00	12/30/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	34.5	32.77555	0.19219	-1.912474
12/30/2022 13:00	12/30/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.72	30.928506	-0.224626	-1.567702
12/30/2022 14:00	12/30/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.02	29.846219	-0.00709	-1.16419
12/30/2022 15:00	12/30/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.25	31.82647	2.30607	-0.733767
12/30/2022 16:00	12/30/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.23	23.871841	0.050099	-0.403258
12/30/2022 17:00	12/30/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.17	26.488087	-0.459109	-0.218637
12/30/2022 18:00	12/30/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	24.92	25.450003	0.6336	-0.103598
12/30/2022 19:00	12/30/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.4	34.862795	3.468609	-0.009147
12/30/2022 20:00	12/30/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.3	31.15664	0.809753	0.046053
12/30/2022 21:00	12/30/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.09	27.179047	0.052053	0.03866
12/30/2022 22:00	12/30/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.32	30.258879	-0.084111	0.02799
12/30/2022 23:00	12/30/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.97	32.478395	0.338952	0.174443
12/31/2022 0:00	12/30/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.19	29.414056	0.138887	0.081836
12/31/2022 1:00	12/30/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	27.67	27.707044	-0.043768	0.079978
12/31/2022 2:00	12/30/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.83	25.790499	-0.079581	0.03758
12/31/2022 3:00	12/30/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.01	27.262475	1.234677	0.019464
12/31/2022 4:00	12/30/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.79	37.264892	4.831249	-0.351357
12/31/2022 5:00	12/31/2022 0:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.05	26.650695	0.947763	-0.347068
12/31/2022 6:00	12/31/2022 1:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	21.59	21.360788	0	-0.226712
12/31/2022 7:00	12/31/2022 2:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	21.54	21.301427	0	-0.23774
12/31/2022 8:00	12/31/2022 3:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	21.79	21.570721	0	-0.214279
12/31/2022 9:00	12/31/2022 4:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	21.96	21.707041	0	-0.255459
12/31/2022 10:00	12/31/2022 5:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.69	22.486505	0	-0.198495
12/31/2022 11:00	12/31/2022 6:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	21.02	20.932174	0	-0.08366
12/31/2022 12:00	12/31/2022 7:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.87	22.878048	0.050682	-0.045133
12/31/2022 13:00	12/31/2022 8:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	26.28	26.229471	-0.050269	0.003907
12/31/2022 14:00	12/31/2022 9:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	35.78	35.171237	-0.74521	0.138947
12/31/2022 15:00	12/31/2022 10:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	42.68	42.490466	-0.265668	0.075301
12/31/2022 16:00	12/31/2022 11:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.8	33.760658	0	-0.036842
12/31/2022 17:00	12/31/2022 12:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	33.06	32.852417	0	-0.208416
12/31/2022 18:00	12/31/2022 13:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	32.18	31.948709	0	-0.232957
12/31/2022 19:00	12/31/2022 14:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.46	30.28879	0.051588	-0.226964
12/31/2022 20:00	12/31/2022 15:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.02	30.059422	0.190715	-0.14796
12/31/2022 21:00	12/31/2022 16:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	29.6	29.552442	0.043921	-0.092312
12/31/2022 22:00	12/31/2022 17:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	31.25	31.220198	0	-0.024802
12/31/2022 23:00	12/31/2022 18:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	30.31	30.700703	0.277074	0.116129
1/1/2023 0:00	12/31/2022 19:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	25.1	25.361825	0.362309	-0.104651
1/1/2023 1:00	12/31/2022 20:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.48	22.541108	0.183498	-0.119891
1/1/2023 2:00	12/31/2022 21:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	21.56	21.423929	0.03344	-0.167011
1/1/2023 3:00	12/31/2022 22:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.91	22.600404	0	-0.307096
1/1/2023 4:00	12/31/2022 23:00	1269364674	AEPIM_RESID_AGG	RESIDUAL_METERED_EDC	22.27	21.794822	0	-0.478511
					Average	**67.84714544**		

Indiana Michgina Power Company-Michigan
Hourly Load (MW) by Sector

Indiana Michigan Power Company
Case No. U-21461
MEIU Set 1, Q 7
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Date	Hour	Residential	Commercial	Industrial	Other Retail
10/1/2022	1	77.46	48.81	66.78	8.79
10/1/2022	2	74.39	47.94	64.18	8.90
10/1/2022	3	73.30	47.74	63.25	8.88
10/1/2022	4	73.52	48.12	64.59	8.95
10/1/2022	5	76.11	49.56	66.04	9.10
10/1/2022	6	80.57	51.75	66.12	9.38
10/1/2022	7	88.85	53.98	68.12	9.76
10/1/2022	8	100.33	56.10	68.48	9.57
10/1/2022	9	106.96	59.40	68.07	9.88
10/1/2022	10	108.36	62.82	68.02	9.86
10/1/2022	11	106.52	65.27	69.60	9.92
10/1/2022	12	104.61	66.21	63.49	9.88
10/1/2022	13	102.57	66.37	63.56	9.39
10/1/2022	14	100.60	66.22	62.87	9.63
10/1/2022	15	99.38	65.51	61.51	9.43
10/1/2022	16	100.42	65.47	61.22	9.39
10/1/2022	17	103.09	64.10	60.19	9.40
10/1/2022	18	105.27	62.63	58.98	9.22
10/1/2022	19	106.80	61.22	58.70	9.30
10/1/2022	20	110.08	61.13	57.74	9.66
10/1/2022	21	105.86	58.80	58.10	9.49
10/1/2022	22	98.61	55.86	57.52	9.15
10/1/2022	23	89.82	53.34	56.98	8.81
10/1/2022	24	81.05	50.74	58.05	8.77
10/2/2022	1	75.52	49.63	54.80	8.69
10/2/2022	2	72.00	48.78	54.95	8.69
10/2/2022	3	70.26	48.33	54.91	8.66
10/2/2022	4	70.21	48.48	54.02	8.73
10/2/2022	5	71.39	49.37	55.19	8.87
10/2/2022	6	75.01	51.15	56.77	9.22
10/2/2022	7	82.57	53.01	57.88	9.50
10/2/2022	8	95.17	54.34	57.61	9.16
10/2/2022	9	105.40	57.54	59.01	9.10
10/2/2022	10	109.48	61.07	59.59	9.29
10/2/2022	11	110.51	63.60	60.93	9.45
10/2/2022	12	111.02	64.53	61.07	9.46
10/2/2022	13	109.71	64.72	61.13	9.37
10/2/2022	14	107.99	64.75	61.26	9.24
10/2/2022	15	108.21	64.24	60.15	9.28
10/2/2022	16	110.31	64.32	60.05	9.34
10/2/2022	17	114.98	62.47	59.30	9.14
10/2/2022	18	118.40	60.51	58.27	9.09
10/2/2022	19	120.83	59.06	62.04	9.30
10/2/2022	20	124.26	58.44	58.49	9.67
10/2/2022	21	115.89	55.79	65.31	9.27
10/2/2022	22	102.88	53.33	68.77	8.86

10/2/2022	23	88.93	50.97	68.50	8.85
10/2/2022	24	79.03	49.42	70.43	9.02
10/3/2022	1	73.52	47.91	66.32	8.86
10/3/2022	2	71.48	47.38	66.77	8.96
10/3/2022	3	71.71	47.15	68.37	8.98
10/3/2022	4	74.04	48.09	69.43	9.24
10/3/2022	5	79.71	50.68	70.76	9.86
10/3/2022	6	91.65	55.15	78.50	11.50
10/3/2022	7	101.29	60.47	85.79	13.95
10/3/2022	8	99.78	65.60	90.71	15.91
10/3/2022	9	99.23	68.51	92.97	16.63
10/3/2022	10	97.89	70.88	94.80	16.73
10/3/2022	11	96.08	72.78	96.01	16.57
10/3/2022	12	94.30	73.79	95.27	16.49
10/3/2022	13	91.58	74.52	96.90	16.19
10/3/2022	14	89.20	75.05	96.33	16.30
10/3/2022	15	89.96	73.78	92.87	15.25
10/3/2022	16	95.20	72.10	85.86	13.87
10/3/2022	17	103.54	68.26	85.73	12.72
10/3/2022	18	108.99	64.58	84.75	11.86
10/3/2022	19	113.41	62.64	83.29	11.91
10/3/2022	20	118.81	60.48	82.35	11.82
10/3/2022	21	112.09	57.25	81.69	10.56
10/3/2022	22	100.54	53.69	80.60	9.90
10/3/2022	23	88.25	51.61	78.50	9.30
10/3/2022	24	79.46	50.20	79.80	9.08
10/4/2022	1	75.51	48.50	78.56	8.99
10/4/2022	2	73.99	47.97	76.28	8.89
10/4/2022	3	74.22	48.54	75.11	8.97
10/4/2022	4	76.07	49.39	76.24	9.12
10/4/2022	5	81.80	52.17	81.22	9.65
10/4/2022	6	93.78	56.54	85.29	11.50
10/4/2022	7	102.70	61.80	90.52	14.03
10/4/2022	8	100.25	66.46	92.74	15.85
10/4/2022	9	97.94	69.17	94.97	16.47
10/4/2022	10	95.20	72.18	97.03	16.67
10/4/2022	11	92.90	75.14	98.60	16.95
10/4/2022	12	91.00	76.41	99.92	17.25
10/4/2022	13	88.75	77.50	103.09	17.02
10/4/2022	14	86.82	77.96	101.67	16.36
10/4/2022	15	87.33	77.07	99.50	15.43
10/4/2022	16	92.94	75.05	93.36	13.87
10/4/2022	17	101.20	70.92	89.31	12.74
10/4/2022	18	107.10	67.46	86.90	12.04
10/4/2022	19	112.40	64.86	85.68	11.77
10/4/2022	20	117.72	62.77	83.96	11.64
10/4/2022	21	111.60	59.34	84.76	10.73
10/4/2022	22	100.05	55.86	82.89	9.62
10/4/2022	23	87.09	53.27	80.77	9.17
10/4/2022	24	78.21	51.43	79.80	9.08
10/5/2022	1	74.31	49.79	76.65	8.85
10/5/2022	2	72.35	49.50	76.80	8.80

10/5/2022	3	72.33	49.42	75.97	8.90
10/5/2022	4	74.14	50.58	77.96	9.15
10/5/2022	5	79.60	53.24	84.19	9.71
10/5/2022	6	90.99	57.55	89.13	11.35
10/5/2022	7	99.60	62.56	95.35	13.77
10/5/2022	8	97.80	67.05	98.68	15.66
10/5/2022	9	95.38	70.91	101.43	16.31
10/5/2022	10	92.24	75.15	103.13	16.81
10/5/2022	11	89.95	77.41	101.55	17.16
10/5/2022	12	88.42	79.43	102.69	17.54
10/5/2022	13	86.89	79.92	103.97	17.28
10/5/2022	14	85.79	80.32	104.14	16.91
10/5/2022	15	86.56	79.17	100.42	16.10
10/5/2022	16	92.34	77.26	93.76	14.58
10/5/2022	17	99.98	73.35	91.64	13.36
10/5/2022	18	104.89	69.09	89.34	12.55
10/5/2022	19	110.01	66.06	88.95	12.72
10/5/2022	20	115.43	63.69	88.70	12.15
10/5/2022	21	110.15	60.15	87.88	10.82
10/5/2022	22	98.13	56.33	87.33	9.77
10/5/2022	23	85.73	53.83	84.31	9.20
10/5/2022	24	77.03	51.78	81.49	8.96
10/6/2022	1	71.69	50.82	78.57	8.74
10/6/2022	2	69.00	50.46	77.29	8.72
10/6/2022	3	68.23	50.72	78.87	8.77
10/6/2022	4	69.17	51.35	80.07	8.83
10/6/2022	5	73.85	54.09	82.10	9.53
10/6/2022	6	84.26	58.63	88.37	11.25
10/6/2022	7	92.29	63.95	94.39	14.14
10/6/2022	8	90.14	69.03	97.70	15.92
10/6/2022	9	89.64	72.78	98.13	16.62
10/6/2022	10	88.67	75.83	98.35	16.88
10/6/2022	11	87.59	78.00	98.53	17.15
10/6/2022	12	87.67	79.13	99.04	17.46
10/6/2022	13	86.48	79.15	98.86	16.91
10/6/2022	14	85.32	79.61	96.81	16.69
10/6/2022	15	86.01	79.53	93.33	15.48
10/6/2022	16	90.98	77.44	89.92	14.08
10/6/2022	17	99.77	72.56	84.76	13.17
10/6/2022	18	108.13	68.45	82.61	12.99
10/6/2022	19	112.78	67.05	81.61	12.77
10/6/2022	20	115.10	64.02	80.29	11.93
10/6/2022	21	109.21	60.49	78.71	10.56
10/6/2022	22	99.20	56.93	69.34	9.63
10/6/2022	23	87.39	54.02	76.44	9.23
10/6/2022	24	82.38	51.60	76.74	9.17
10/7/2022	1	73.78	50.20	75.09	8.86
10/7/2022	2	71.93	49.30	75.06	8.81
10/7/2022	3	71.82	49.11	73.13	8.91
10/7/2022	4	73.44	49.65	73.97	9.11
10/7/2022	5	78.75	52.14	79.06	9.69
10/7/2022	6	90.30	56.35	84.05	11.34

10/7/2022	7	99.41	61.18	92.31	13.82
10/7/2022	8	99.91	65.71	96.80	15.64
10/7/2022	9	100.06	69.17	97.37	16.31
10/7/2022	10	100.05	71.64	98.87	16.40
10/7/2022	11	99.21	72.68	97.04	16.16
10/7/2022	12	99.03	72.44	96.85	15.90
10/7/2022	13	97.27	71.70	96.37	15.45
10/7/2022	14	95.50	71.34	95.54	15.05
10/7/2022	15	97.14	69.96	91.42	13.91
10/7/2022	16	102.68	67.65	87.34	12.70
10/7/2022	17	109.28	64.27	85.21	12.05
10/7/2022	18	113.23	61.80	83.42	12.15
10/7/2022	19	117.21	61.77	79.32	12.13
10/7/2022	20	119.94	61.09	78.08	12.44
10/7/2022	21	117.69	58.85	79.29	11.90
10/7/2022	22	111.49	56.42	76.78	10.90
10/7/2022	23	102.21	53.95	74.04	9.99
10/7/2022	24	93.80	51.56	70.77	9.30
10/8/2022	1	87.46	50.23	72.13	9.23
10/8/2022	2	83.92	49.45	71.89	9.05
10/8/2022	3	82.22	49.33	70.27	9.13
10/8/2022	4	82.27	49.52	72.45	9.07
10/8/2022	5	84.54	51.00	71.97	9.14
10/8/2022	6	89.32	53.54	72.08	9.45
10/8/2022	7	97.83	55.99	74.43	9.70
10/8/2022	8	110.04	58.46	71.85	9.77
10/8/2022	9	118.45	60.74	73.39	10.06
10/8/2022	10	120.79	63.03	73.84	10.30
10/8/2022	11	121.14	64.41	73.38	10.41
10/8/2022	12	120.36	64.10	65.00	10.28
10/8/2022	13	117.79	63.43	65.81	10.05
10/8/2022	14	114.96	62.36	65.12	9.92
10/8/2022	15	112.13	62.03	63.36	9.68
10/8/2022	16	111.41	61.41	62.66	9.54
10/8/2022	17	112.51	60.36	61.70	9.46
10/8/2022	18	114.66	59.56	60.12	9.54
10/8/2022	19	118.71	59.89	60.27	9.83
10/8/2022	20	121.76	59.89	60.73	10.01
10/8/2022	21	118.67	58.47	60.99	9.68
10/8/2022	22	111.33	56.36	60.90	9.35
10/8/2022	23	102.97	53.35	61.09	9.09
10/8/2022	24	91.05	51.50	65.08	9.08
10/9/2022	1	87.94	50.34	60.71	8.98
10/9/2022	2	84.07	49.67	58.91	8.89
10/9/2022	3	82.56	49.45	59.43	8.96
10/9/2022	4	82.05	49.78	59.49	9.09
10/9/2022	5	83.72	50.61	60.18	9.05
10/9/2022	6	86.67	52.36	60.19	9.17
10/9/2022	7	94.59	54.39	60.06	9.51
10/9/2022	8	107.66	56.02	60.36	9.34
10/9/2022	9	117.06	58.33	61.60	9.43
10/9/2022	10	120.39	60.80	62.20	9.58

10/9/2022	11	119.10	62.36	63.49	9.57
10/9/2022	12	117.11	63.66	65.02	9.59
10/9/2022	13	114.18	63.71	64.88	9.52
10/9/2022	14	110.90	63.12	65.58	9.36
10/9/2022	15	108.94	62.57	65.70	9.31
10/9/2022	16	110.05	62.64	64.91	9.25
10/9/2022	17	113.80	60.61	64.48	8.84
10/9/2022	18	117.84	59.47	62.78	8.82
10/9/2022	19	123.65	59.37	65.20	9.18
10/9/2022	20	126.49	58.28	62.96	9.59
10/9/2022	21	118.07	56.44	68.50	9.41
10/9/2022	22	104.97	54.60	72.54	9.16
10/9/2022	23	91.20	52.63	75.01	8.83
10/9/2022	24	80.25	51.26	77.19	8.78
10/10/2022	1	75.90	49.96	75.79	8.74
10/10/2022	2	73.51	49.23	74.64	8.83
10/10/2022	3	73.69	49.03	75.98	8.89
10/10/2022	4	75.61	50.05	75.71	9.00
10/10/2022	5	80.74	52.75	80.56	9.59
10/10/2022	6	91.36	57.50	86.02	11.34
10/10/2022	7	99.66	62.71	93.79	13.95
10/10/2022	8	98.98	67.33	99.07	15.83
10/10/2022	9	99.76	70.19	101.05	16.55
10/10/2022	10	98.74	72.77	104.79	16.68
10/10/2022	11	97.04	74.42	105.83	16.53
10/10/2022	12	95.03	76.19	106.50	16.87
10/10/2022	13	92.32	77.03	105.51	16.69
10/10/2022	14	89.77	77.93	103.11	16.31
10/10/2022	15	90.24	77.69	100.67	15.48
10/10/2022	16	95.22	75.59	97.35	14.01
10/10/2022	17	103.10	71.55	94.31	12.98
10/10/2022	18	108.45	67.08	89.75	12.37
10/10/2022	19	114.03	64.55	88.80	12.18
10/10/2022	20	117.88	62.75	86.67	11.81
10/10/2022	21	110.33	59.91	85.73	10.55
10/10/2022	22	98.39	56.23	86.81	9.67
10/10/2022	23	85.88	53.65	83.06	9.14
10/10/2022	24	76.93	51.86	82.09	8.90
10/11/2022	1	72.14	49.96	79.83	8.90
10/11/2022	2	70.47	49.46	81.24	9.05
10/11/2022	3	70.28	49.15	81.25	8.98
10/11/2022	4	71.88	50.23	82.41	9.07
10/11/2022	5	77.12	53.21	84.88	9.55
10/11/2022	6	88.50	58.15	89.00	11.28
10/11/2022	7	96.72	63.12	95.88	14.11
10/11/2022	8	93.98	67.61	99.18	16.01
10/11/2022	9	91.59	71.23	99.22	16.67
10/11/2022	10	89.68	74.45	99.23	17.17
10/11/2022	11	87.78	76.95	99.28	17.64
10/11/2022	12	87.53	78.09	100.91	17.43
10/11/2022	13	85.40	79.86	103.35	17.30
10/11/2022	14	84.45	79.06	101.49	16.85

10/11/2022	15	86.70	77.22	98.86	15.32
10/11/2022	16	93.83	74.20	94.05	13.70
10/11/2022	17	105.97	69.68	90.14	12.74
10/11/2022	18	114.54	65.90	88.99	12.30
10/11/2022	19	117.54	65.07	87.51	12.00
10/11/2022	20	116.22	63.38	86.50	11.69
10/11/2022	21	109.10	60.63	85.50	10.74
10/11/2022	22	97.67	57.01	85.70	9.89
10/11/2022	23	85.61	54.79	84.67	9.28
10/11/2022	24	78.05	52.94	82.34	9.13
10/12/2022	1	71.62	52.72	84.01	8.89
10/12/2022	2	68.90	52.32	83.09	8.86
10/12/2022	3	68.04	52.47	82.84	8.80
10/12/2022	4	68.82	53.15	83.62	8.90
10/12/2022	5	73.07	55.28	86.76	9.46
10/12/2022	6	82.75	59.72	91.71	11.35
10/12/2022	7	90.57	64.94	96.89	14.35
10/12/2022	8	89.08	70.24	100.54	16.39
10/12/2022	9	88.27	72.95	101.53	16.78
10/12/2022	10	87.31	75.11	101.87	16.90
10/12/2022	11	88.51	76.66	100.73	16.89
10/12/2022	12	89.11	76.89	99.88	17.04
10/12/2022	13	88.48	78.34	101.93	16.94
10/12/2022	14	87.98	78.30	99.90	16.56
10/12/2022	15	91.11	76.21	97.47	15.23
10/12/2022	16	99.31	73.49	92.53	13.74
10/12/2022	17	110.96	68.21	90.08	13.11
10/12/2022	18	115.03	64.55	87.26	12.87
10/12/2022	19	116.36	62.86	86.68	12.46
10/12/2022	20	117.98	60.99	86.44	11.87
10/12/2022	21	112.58	58.25	87.04	10.81
10/12/2022	22	102.61	55.24	84.39	9.98
10/12/2022	23	90.50	53.02	83.77	9.42
10/12/2022	24	84.38	51.83	79.92	9.19
10/13/2022	1	77.09	50.33	78.89	8.93
10/13/2022	2	75.09	49.72	79.32	8.98
10/13/2022	3	74.41	49.85	76.74	9.04
10/13/2022	4	76.14	50.34	77.08	9.04
10/13/2022	5	81.20	53.31	84.73	9.57
10/13/2022	6	92.79	58.02	90.93	11.30
10/13/2022	7	101.40	62.46	96.50	14.15
10/13/2022	8	99.82	67.41	100.65	15.99
10/13/2022	9	97.95	70.77	99.64	16.61
10/13/2022	10	97.17	73.35	99.38	16.68
10/13/2022	11	96.72	74.48	98.75	16.52
10/13/2022	12	96.18	74.49	100.25	16.27
10/13/2022	13	93.43	74.36	100.89	15.75
10/13/2022	14	89.11	73.15	102.00	15.27
10/13/2022	15	89.03	71.58	95.10	14.49
10/13/2022	16	96.20	69.34	90.88	13.32
10/13/2022	17	105.55	64.90	86.43	12.74
10/13/2022	18	108.83	61.61	78.13	12.59

10/13/2022	19	119.29	62.35	75.10	12.74
10/13/2022	20	121.56	61.21	78.11	12.29
10/13/2022	21	117.44	59.19	79.03	11.02
10/13/2022	22	108.73	56.04	77.26	10.14
10/13/2022	23	99.57	54.10	76.58	9.61
10/13/2022	24	91.16	51.83	70.11	9.18
10/14/2022	1	86.05	50.75	73.94	9.17
10/14/2022	2	84.28	50.45	73.34	9.17
10/14/2022	3	83.95	50.38	73.64	9.17
10/14/2022	4	85.58	51.14	74.13	9.21
10/14/2022	5	90.50	53.79	77.33	9.76
10/14/2022	6	101.31	57.75	78.51	11.64
10/14/2022	7	110.13	62.81	77.97	14.15
10/14/2022	8	109.63	67.66	87.65	16.42
10/14/2022	9	109.34	69.85	88.29	16.92
10/14/2022	10	108.89	71.90	91.11	16.85
10/14/2022	11	106.24	73.38	91.23	16.65
10/14/2022	12	103.36	72.85	91.47	16.39
10/14/2022	13	99.66	72.78	91.26	15.70
10/14/2022	14	95.38	71.96	91.24	15.09
10/14/2022	15	94.46	71.02	87.16	14.23
10/14/2022	16	98.93	68.49	83.30	12.55
10/14/2022	17	106.31	65.38	79.53	11.69
10/14/2022	18	111.15	62.59	76.90	11.50
10/14/2022	19	115.62	63.50	73.36	11.63
10/14/2022	20	116.24	62.21	67.36	11.60
10/14/2022	21	113.09	59.86	66.25	11.08
10/14/2022	22	107.70	56.76	63.86	10.15
10/14/2022	23	99.95	53.67	60.67	9.40
10/14/2022	24	92.74	50.97	56.76	9.16
10/15/2022	1	86.10	49.88	58.35	8.94
10/15/2022	2	83.24	49.22	57.78	8.95
10/15/2022	3	81.83	49.07	57.08	9.00
10/15/2022	4	82.22	49.46	57.38	9.10
10/15/2022	5	84.93	51.05	60.55	9.01
10/15/2022	6	90.10	53.77	61.87	9.45
10/15/2022	7	98.70	55.84	62.76	9.91
10/15/2022	8	110.51	58.52	60.50	9.79
10/15/2022	9	118.25	60.65	58.18	9.99
10/15/2022	10	120.02	62.69	58.89	10.16
10/15/2022	11	120.69	63.33	59.23	10.16
10/15/2022	12	120.19	63.17	57.29	10.35
10/15/2022	13	116.79	62.68	56.27	10.13
10/15/2022	14	112.92	62.44	57.14	9.91
10/15/2022	15	109.01	61.79	56.62	9.85
10/15/2022	16	108.25	60.79	55.99	9.73
10/15/2022	17	110.11	59.72	54.93	9.66
10/15/2022	18	113.04	58.65	54.77	9.77
10/15/2022	19	118.20	59.18	55.10	10.27
10/15/2022	20	121.10	58.69	55.04	10.39
10/15/2022	21	117.70	57.01	55.35	9.94
10/15/2022	22	111.74	54.78	54.70	9.59

10/15/2022	23	103.76	52.27	53.52	9.22
10/15/2022	24	94.79	50.34	54.50	9.21
10/16/2022	1	90.23	49.84	51.85	9.06
10/16/2022	2	86.96	49.18	52.23	9.01
10/16/2022	3	85.26	48.90	52.58	9.14
10/16/2022	4	84.98	49.18	52.66	9.06
10/16/2022	5	86.63	50.41	52.67	9.00
10/16/2022	6	90.45	52.36	51.97	9.37
10/16/2022	7	98.48	54.55	53.57	9.63
10/16/2022	8	111.90	56.79	54.17	9.73
10/16/2022	9	121.41	58.68	53.96	9.61
10/16/2022	10	123.47	60.85	55.53	9.60
10/16/2022	11	122.12	62.31	55.61	9.46
10/16/2022	12	120.58	61.80	56.31	9.42
10/16/2022	13	119.83	61.49	56.04	9.66
10/16/2022	14	117.77	61.20	56.02	9.53
10/16/2022	15	117.99	60.41	55.34	9.48
10/16/2022	16	120.99	59.26	55.23	9.52
10/16/2022	17	127.41	57.55	54.52	9.31
10/16/2022	18	133.06	57.47	54.75	9.51
10/16/2022	19	136.34	57.99	58.58	9.84
10/16/2022	20	135.18	57.16	56.85	9.68
10/16/2022	21	125.71	55.35	64.15	9.50
10/16/2022	22	113.13	53.11	68.02	9.19
10/16/2022	23	100.30	51.26	68.78	9.01
10/16/2022	24	93.60	50.65	67.13	9.08
10/17/2022	1	86.04	49.00	64.50	9.07
10/17/2022	2	83.53	48.64	70.66	9.16
10/17/2022	3	82.92	48.92	72.04	9.11
10/17/2022	4	85.09	49.99	71.19	9.32
10/17/2022	5	91.73	52.55	76.16	9.94
10/17/2022	6	104.61	57.58	82.58	12.12
10/17/2022	7	113.77	62.93	88.46	14.67
10/17/2022	8	112.30	69.35	95.36	16.97
10/17/2022	9	113.63	72.16	96.69	17.41
10/17/2022	10	115.64	73.97	98.53	17.55
10/17/2022	11	117.63	74.53	98.29	17.51
10/17/2022	12	120.17	74.78	99.35	17.40
10/17/2022	13	120.32	74.91	101.00	17.24
10/17/2022	14	117.91	74.00	101.49	16.77
10/17/2022	15	119.64	72.15	96.17	15.80
10/17/2022	16	127.04	69.45	93.55	14.06
10/17/2022	17	137.34	65.51	91.46	13.16
10/17/2022	18	141.24	62.14	87.74	12.55
10/17/2022	19	142.88	61.90	88.10	12.50
10/17/2022	20	140.80	60.33	87.70	12.00
10/17/2022	21	132.89	58.22	87.90	11.31
10/17/2022	22	119.82	55.39	87.78	10.34
10/17/2022	23	107.73	53.61	84.16	9.58
10/17/2022	24	101.04	52.49	84.18	9.45
10/18/2022	1	96.08	51.43	82.25	9.19
10/18/2022	2	94.89	51.29	82.84	9.32

10/18/2022	3	94.31	51.48	82.62	9.51
10/18/2022	4	96.39	52.40	82.06	9.63
10/18/2022	5	101.49	55.14	86.90	10.12
10/18/2022	6	111.85	59.36	91.88	12.35
10/18/2022	7	119.75	64.11	96.81	15.16
10/18/2022	8	117.53	70.13	98.43	16.93
10/18/2022	9	117.77	73.34	99.63	17.59
10/18/2022	10	118.66	75.69	100.88	17.52
10/18/2022	11	120.64	76.18	100.87	17.72
10/18/2022	12	122.82	75.65	99.65	17.81
10/18/2022	13	122.69	75.37	101.02	17.48
10/18/2022	14	121.61	75.12	100.91	16.75
10/18/2022	15	124.24	73.54	94.49	15.75
10/18/2022	16	132.88	71.11	92.36	14.19
10/18/2022	17	143.42	67.25	88.78	13.20
10/18/2022	18	146.36	64.03	87.08	12.96
10/18/2022	19	148.78	63.48	88.20	12.88
10/18/2022	20	145.88	61.31	86.63	12.22
10/18/2022	21	138.36	59.04	85.81	11.65
10/18/2022	22	125.59	56.15	85.21	10.72
10/18/2022	23	112.24	54.34	78.36	10.14
10/18/2022	24	103.73	53.08	82.00	9.93
10/19/2022	1	98.55	51.90	81.63	9.84
10/19/2022	2	95.52	51.28	78.80	9.73
10/19/2022	3	94.32	51.47	76.13	9.93
10/19/2022	4	95.68	52.48	78.92	10.05
10/19/2022	5	99.96	55.14	82.37	10.49
10/19/2022	6	110.67	59.79	86.87	12.79
10/19/2022	7	117.98	64.70	93.68	15.39
10/19/2022	8	116.00	70.56	95.95	17.69
10/19/2022	9	114.75	73.04	96.54	18.38
10/19/2022	10	114.47	74.70	99.22	18.48
10/19/2022	11	113.79	76.01	99.63	18.18
10/19/2022	12	114.08	75.58	100.26	17.66
10/19/2022	13	113.57	75.74	101.12	17.38
10/19/2022	14	111.23	74.95	99.66	16.69
10/19/2022	15	110.84	73.37	95.72	15.32
10/19/2022	16	115.40	70.81	91.84	13.56
10/19/2022	17	122.67	66.33	88.52	12.81
10/19/2022	18	129.29	63.61	86.02	12.82
10/19/2022	19	138.21	64.46	84.31	12.88
10/19/2022	20	140.95	62.89	83.91	12.33
10/19/2022	21	135.54	60.21	82.58	11.41
10/19/2022	22	124.61	57.54	82.48	10.56
10/19/2022	23	112.00	54.99	80.76	9.96
10/19/2022	24	102.48	53.71	79.67	9.75
10/20/2022	1	97.53	52.43	77.62	9.66
10/20/2022	2	94.76	52.01	81.78	9.70
10/20/2022	3	94.42	52.11	80.76	9.82
10/20/2022	4	96.43	53.05	81.77	9.98
10/20/2022	5	102.11	55.67	82.29	10.64
10/20/2022	6	113.82	60.78	88.78	12.86

10/20/2022	7	121.76	65.81	92.55	15.72
10/20/2022	8	119.37	71.83	97.68	17.82
10/20/2022	9	118.52	74.57	98.13	18.28
10/20/2022	10	117.68	76.45	100.12	18.27
10/20/2022	11	116.60	76.81	102.10	17.98
10/20/2022	12	115.98	75.93	101.38	17.84
10/20/2022	13	114.03	76.12	102.21	17.14
10/20/2022	14	111.25	75.13	102.70	16.55
10/20/2022	15	107.50	73.21	97.31	15.21
10/20/2022	16	109.63	70.74	93.10	13.70
10/20/2022	17	115.27	66.65	90.51	12.41
10/20/2022	18	120.72	63.57	88.27	12.15
10/20/2022	19	130.00	63.87	88.00	12.78
10/20/2022	20	134.53	62.32	87.09	12.04
10/20/2022	21	131.08	59.89	85.47	11.38
10/20/2022	22	121.53	57.66	81.89	10.62
10/20/2022	23	109.66	55.56	77.21	10.02
10/20/2022	24	96.40	54.05	75.58	9.53
10/21/2022	1	95.67	52.92	79.21	9.53
10/21/2022	2	92.53	51.78	78.21	9.59
10/21/2022	3	92.05	51.61	78.36	9.65
10/21/2022	4	92.97	52.40	78.63	9.88
10/21/2022	5	97.64	55.24	81.71	10.30
10/21/2022	6	108.51	59.21	87.18	12.43
10/21/2022	7	116.27	64.05	92.55	15.03
10/21/2022	8	115.17	68.65	92.31	17.03
10/21/2022	9	113.00	71.12	91.91	17.69
10/21/2022	10	109.24	72.64	92.49	17.53
10/21/2022	11	104.75	74.05	93.38	17.25
10/21/2022	12	100.85	74.83	92.35	16.69
10/21/2022	13	96.50	75.92	92.58	16.48
10/21/2022	14	93.07	76.25	92.27	16.16
10/21/2022	15	91.25	75.35	87.18	14.66
10/21/2022	16	94.06	73.85	84.08	13.18
10/21/2022	17	98.59	70.83	81.35	12.22
10/21/2022	18	102.17	67.01	78.52	11.83
10/21/2022	19	107.28	66.63	70.02	12.06
10/21/2022	20	108.86	64.20	67.61	11.62
10/21/2022	21	105.53	62.01	67.23	11.25
10/21/2022	22	99.93	59.25	65.05	10.23
10/21/2022	23	91.62	56.10	62.62	9.42
10/21/2022	24	82.33	53.69	59.50	8.75
10/22/2022	1	76.63	52.20	60.38	8.82
10/22/2022	2	73.25	50.99	59.40	8.74
10/22/2022	3	71.31	50.52	59.84	8.70
10/22/2022	4	71.34	51.03	60.83	8.56
10/22/2022	5	73.21	52.56	62.24	8.85
10/22/2022	6	77.73	55.02	63.18	9.10
10/22/2022	7	85.85	57.32	64.78	9.42
10/22/2022	8	97.33	59.61	63.50	9.65
10/22/2022	9	105.26	61.94	63.68	9.71
10/22/2022	10	107.21	65.17	63.22	9.95

10/22/2022	11	105.80	67.19	62.68	9.88
10/22/2022	12	104.27	67.96	62.43	9.86
10/22/2022	13	101.90	69.02	62.69	9.74
10/22/2022	14	99.33	69.80	62.96	9.69
10/22/2022	15	98.46	70.02	61.91	9.70
10/22/2022	16	99.13	69.85	61.52	9.75
10/22/2022	17	101.76	68.51	60.88	9.46
10/22/2022	18	103.93	66.83	58.75	9.46
10/22/2022	19	108.80	65.75	58.61	9.78
10/22/2022	20	109.77	63.70	57.31	9.89
10/22/2022	21	105.26	61.40	57.26	9.56
10/22/2022	22	98.44	58.73	56.72	8.71
10/22/2022	23	89.62	55.79	55.34	8.55
10/22/2022	24	80.41	53.65	57.38	8.49
10/23/2022	1	73.83	52.13	54.58	8.45
10/23/2022	2	69.47	51.05	55.09	8.33
10/23/2022	3	66.86	50.71	54.46	8.45
10/23/2022	4	66.07	51.05	54.05	8.55
10/23/2022	5	66.84	51.92	54.26	8.52
10/23/2022	6	69.73	54.03	53.89	8.69
10/23/2022	7	76.82	56.28	54.99	9.04
10/23/2022	8	88.66	58.69	54.95	9.02
10/23/2022	9	100.06	60.75	54.42	8.95
10/23/2022	10	104.39	63.98	55.06	9.21
10/23/2022	11	106.22	66.57	55.67	9.19
10/23/2022	12	107.87	67.39	54.85	9.38
10/23/2022	13	107.99	68.29	56.33	9.48
10/23/2022	14	107.51	69.22	56.90	9.41
10/23/2022	15	108.15	69.52	56.11	9.47
10/23/2022	16	110.92	69.01	55.78	9.48
10/23/2022	17	115.86	66.86	55.89	9.53
10/23/2022	18	119.43	64.62	54.84	9.32
10/23/2022	19	126.29	64.52	57.68	9.74
10/23/2022	20	126.26	62.03	56.99	9.59
10/23/2022	21	116.46	59.76	62.82	9.18
10/23/2022	22	103.77	57.42	59.43	8.86
10/23/2022	23	89.76	55.11	63.06	8.56
10/23/2022	24	77.79	53.84	72.31	8.45
10/24/2022	1	71.28	52.29	70.04	8.32
10/24/2022	2	67.40	51.18	70.99	8.37
10/24/2022	3	65.55	51.05	70.68	8.37
10/24/2022	4	65.99	51.85	71.83	8.42
10/24/2022	5	69.68	54.51	76.79	9.18
10/24/2022	6	79.57	59.09	82.72	11.34
10/24/2022	7	87.63	64.23	90.76	14.09
10/24/2022	8	85.42	70.23	96.14	16.06
10/24/2022	9	85.37	73.44	97.28	16.73
10/24/2022	10	86.57	76.71	100.95	17.22
10/24/2022	11	87.73	79.30	101.19	17.48
10/24/2022	12	89.02	80.30	101.33	17.65
10/24/2022	13	88.32	81.20	100.54	17.34
10/24/2022	14	87.91	81.35	100.79	16.78

10/24/2022	15	88.48	79.36	96.03	15.57
10/24/2022	16	94.44	75.87	92.82	13.81
10/24/2022	17	104.33	71.62	88.85	12.99
10/24/2022	18	111.90	68.26	87.11	12.26
10/24/2022	19	117.86	67.19	85.81	12.13
10/24/2022	20	116.53	64.85	85.58	11.44
10/24/2022	21	108.93	61.97	84.72	10.54
10/24/2022	22	97.80	58.81	83.43	9.66
10/24/2022	23	85.28	56.15	81.63	8.93
10/24/2022	24	75.56	53.86	88.83	8.74
10/25/2022	1	69.17	52.94	87.62	8.63
10/25/2022	2	65.49	51.65	86.24	8.34
10/25/2022	3	64.77	51.94	85.75	8.46
10/25/2022	4	65.40	52.20	86.13	8.57
10/25/2022	5	69.14	54.60	90.32	9.23
10/25/2022	6	78.39	58.80	98.61	11.05
10/25/2022	7	85.94	64.09	104.81	13.95
10/25/2022	8	83.73	69.95	107.98	16.10
10/25/2022	9	83.99	73.34	110.48	16.67
10/25/2022	10	84.49	76.43	109.51	16.88
10/25/2022	11	84.80	77.48	109.17	16.84
10/25/2022	12	86.58	76.81	106.75	16.92
10/25/2022	13	86.95	76.98	109.22	16.52
10/25/2022	14	86.29	76.30	111.13	16.33
10/25/2022	15	89.78	74.54	107.01	15.29
10/25/2022	16	98.13	72.01	104.34	13.45
10/25/2022	17	109.31	68.39	99.44	12.57
10/25/2022	18	116.94	66.17	98.59	12.62
10/25/2022	19	118.87	65.53	97.68	12.56
10/25/2022	20	116.03	63.34	95.61	11.64
10/25/2022	21	108.09	60.35	93.55	10.61
10/25/2022	22	96.68	56.85	93.40	9.55
10/25/2022	23	85.14	54.30	92.47	9.01
10/25/2022	24	81.00	52.02	92.00	8.85
10/26/2022	1	71.92	50.80	91.11	8.71
10/26/2022	2	69.52	50.17	90.72	8.79
10/26/2022	3	68.98	50.24	88.14	9.10
10/26/2022	4	70.73	50.65	90.11	9.13
10/26/2022	5	75.78	53.04	93.60	9.57
10/26/2022	6	86.79	57.54	98.00	11.12
10/26/2022	7	96.04	62.56	103.16	14.13
10/26/2022	8	96.30	68.93	107.10	16.58
10/26/2022	9	97.09	72.22	107.42	17.18
10/26/2022	10	98.85	74.09	109.46	17.11
10/26/2022	11	100.18	74.38	108.11	16.81
10/26/2022	12	101.33	73.72	107.03	16.61
10/26/2022	13	100.82	73.56	107.07	16.10
10/26/2022	14	100.22	72.99	107.52	15.45
10/26/2022	15	102.48	71.10	101.79	14.52
10/26/2022	16	110.10	68.37	99.84	13.23
10/26/2022	17	119.07	65.04	96.10	12.45
10/26/2022	18	125.89	62.89	94.61	12.19

10/26/2022	19	130.61	62.86	94.14	12.08
10/26/2022	20	130.47	60.78	94.43	11.52
10/26/2022	21	124.91	57.86	94.08	10.80
10/26/2022	22	114.01	55.36	92.84	10.13
10/26/2022	23	102.51	53.27	91.02	9.61
10/26/2022	24	94.62	52.32	89.77	9.35
10/27/2022	1	89.65	50.77	89.59	9.32
10/27/2022	2	87.54	50.59	87.74	9.30
10/27/2022	3	88.01	50.75	87.98	9.22
10/27/2022	4	90.29	51.38	87.56	9.38
10/27/2022	5	96.11	54.50	92.06	10.11
10/27/2022	6	108.73	59.33	94.76	12.18
10/27/2022	7	117.71	64.48	101.06	14.60
10/27/2022	8	115.98	70.32	106.92	16.82
10/27/2022	9	112.90	72.90	107.37	17.09
10/27/2022	10	108.15	74.50	106.04	17.15
10/27/2022	11	104.24	75.15	105.81	16.77
10/27/2022	12	101.51	75.12	104.58	16.60
10/27/2022	13	98.95	74.80	106.25	16.11
10/27/2022	14	95.39	74.12	105.08	15.55
10/27/2022	15	94.37	72.69	102.68	14.58
10/27/2022	16	98.08	70.49	98.29	13.14
10/27/2022	17	106.17	66.05	94.71	12.38
10/27/2022	18	114.72	63.95	92.50	12.03
10/27/2022	19	124.43	64.04	93.06	11.98
10/27/2022	20	127.96	62.05	92.64	11.44
10/27/2022	21	123.96	59.37	91.91	10.56
10/27/2022	22	114.70	56.17	91.06	10.00
10/27/2022	23	103.43	54.00	89.88	9.59
10/27/2022	24	94.77	52.35	83.36	9.42
10/28/2022	1	90.33	51.21	89.40	9.36
10/28/2022	2	88.28	50.62	88.20	9.28
10/28/2022	3	88.12	51.00	75.80	9.34
10/28/2022	4	89.17	51.75	72.22	9.43
10/28/2022	5	93.97	54.31	90.79	9.97
10/28/2022	6	104.64	58.55	95.81	11.66
10/28/2022	7	112.93	62.90	99.53	13.94
10/28/2022	8	112.57	69.24	100.81	16.18
10/28/2022	9	112.34	71.60	99.91	16.36
10/28/2022	10	109.46	73.20	99.36	16.49
10/28/2022	11	105.74	73.94	98.97	16.08
10/28/2022	12	102.33	73.42	97.01	15.45
10/28/2022	13	98.69	74.29	97.95	14.76
10/28/2022	14	95.21	74.18	93.79	14.51
10/28/2022	15	94.02	73.21	91.40	13.60
10/28/2022	16	96.78	70.93	88.34	12.60
10/28/2022	17	101.21	66.80	83.94	11.65
10/28/2022	18	105.55	63.96	82.66	11.11
10/28/2022	19	112.75	63.09	77.36	11.52
10/28/2022	20	114.61	60.92	71.64	11.31
10/28/2022	21	112.55	59.03	68.71	10.89
10/28/2022	22	108.44	56.43	68.05	10.04

10/28/2022	23	101.45	53.90	65.26	9.45
10/28/2022	24	93.70	51.67	62.39	9.23
10/29/2022	1	89.37	50.78	63.62	9.08
10/29/2022	2	87.01	49.95	62.95	9.18
10/29/2022	3	86.09	49.99	62.42	9.17
10/29/2022	4	86.82	50.41	61.99	9.19
10/29/2022	5	89.57	52.12	63.28	9.23
10/29/2022	6	95.28	54.66	64.40	9.71
10/29/2022	7	103.79	56.85	65.22	10.07
10/29/2022	8	116.00	59.31	66.62	10.24
10/29/2022	9	124.33	61.49	66.99	10.11
10/29/2022	10	124.80	63.05	66.00	10.16
10/29/2022	11	121.94	64.48	64.83	10.20
10/29/2022	12	117.16	65.09	64.00	9.89
10/29/2022	13	111.78	64.73	63.23	9.60
10/29/2022	14	106.91	64.34	63.26	9.54
10/29/2022	15	103.31	63.99	62.49	9.55
10/29/2022	16	101.95	63.54	62.20	9.33
10/29/2022	17	103.66	62.11	61.77	9.25
10/29/2022	18	107.43	60.99	60.75	9.28
10/29/2022	19	113.89	60.80	61.14	9.70
10/29/2022	20	113.02	58.92	60.45	9.63
10/29/2022	21	110.39	56.81	59.91	9.40
10/29/2022	22	105.87	54.99	59.13	9.24
10/29/2022	23	99.24	52.86	57.76	9.19
10/29/2022	24	90.24	50.72	59.46	9.15
10/30/2022	1	87.70	49.39	56.85	9.23
10/30/2022	2	85.02	48.77	56.66	9.29
10/30/2022	3	83.90	48.99	56.67	9.21
10/30/2022	4	83.77	49.35	57.10	9.25
10/30/2022	5	85.57	50.55	56.31	9.27
10/30/2022	6	90.12	52.45	55.82	9.46
10/30/2022	7	97.82	54.48	56.58	9.66
10/30/2022	8	109.35	56.47	57.03	9.74
10/30/2022	9	119.92	57.49	58.12	9.57
10/30/2022	10	124.41	59.55	58.05	9.74
10/30/2022	11	125.63	60.83	58.48	9.73
10/30/2022	12	125.29	60.88	58.69	9.79
10/30/2022	13	122.56	60.94	58.63	9.63
10/30/2022	14	117.06	60.50	58.88	9.56
10/30/2022	15	112.38	60.05	59.60	9.40
10/30/2022	16	113.12	59.52	59.61	9.25
10/30/2022	17	119.54	58.37	59.74	8.98
10/30/2022	18	124.53	58.40	59.88	9.07
10/30/2022	19	129.47	59.25	64.83	9.64
10/30/2022	20	127.75	56.99	62.22	9.51
10/30/2022	21	117.88	54.88	68.41	9.38
10/30/2022	22	105.79	52.93	72.49	9.05
10/30/2022	23	93.20	51.32	70.95	8.73
10/30/2022	24	82.20	50.88	77.18	8.91
10/31/2022	1	77.05	49.68	76.04	8.84
10/31/2022	2	74.18	49.05	76.54	8.86

10/31/2022	3	72.96	49.16	76.51	8.92
10/31/2022	4	74.26	49.87	76.64	8.95
10/31/2022	5	78.92	52.78	80.79	9.51
10/31/2022	6	89.55	57.56	85.91	11.21
10/31/2022	7	96.93	62.29	93.57	13.79
10/31/2022	8	94.65	67.96	99.44	15.98
10/31/2022	9	94.81	71.57	100.31	16.49
10/31/2022	10	95.86	73.09	99.19	16.60
10/31/2022	11	96.57	74.64	100.64	16.65
10/31/2022	12	97.84	74.82	101.19	16.66
10/31/2022	13	97.02	74.37	102.12	16.20
10/31/2022	14	96.35	73.96	102.26	15.79
10/31/2022	15	98.73	72.22	98.50	14.77
10/31/2022	16	106.35	68.93	94.88	13.35
10/31/2022	17	112.49	64.15	92.82	12.39
10/31/2022	18	113.24	62.52	91.37	11.80
10/31/2022	19	115.06	61.79	90.55	11.85
10/31/2022	20	115.95	59.66	88.96	11.30
10/31/2022	21	111.37	57.40	88.10	10.56
10/31/2022	22	100.46	55.06	87.47	9.79
10/31/2022	23	88.67	53.17	85.45	9.38
10/31/2022	24	80.82	51.65	85.89	9.14
11/1/2022	1	74.83	50.34	84.69	8.87
11/1/2022	2	72.56	49.74	84.85	8.76
11/1/2022	3	71.91	50.12	84.81	8.72
11/1/2022	4	73.22	50.86	84.93	8.83
11/1/2022	5	78.28	53.75	88.37	9.36
11/1/2022	6	89.24	58.15	93.46	11.16
11/1/2022	7	97.56	63.19	99.99	13.86
11/1/2022	8	95.42	68.17	103.73	15.80
11/1/2022	9	94.09	70.42	103.90	16.11
11/1/2022	10	93.29	72.51	104.91	16.54
11/1/2022	11	92.38	73.61	105.53	16.52
11/1/2022	12	91.00	74.42	104.08	16.27
11/1/2022	13	88.72	75.48	106.53	16.02
11/1/2022	14	86.42	75.20	106.87	15.92
11/1/2022	15	86.86	73.78	103.08	14.88
11/1/2022	16	91.67	71.60	99.57	13.46
11/1/2022	17	99.99	67.47	96.36	12.27
11/1/2022	18	108.11	63.75	92.28	11.81
11/1/2022	19	117.90	62.47	94.14	11.76
11/1/2022	20	118.56	59.77	92.24	11.24
11/1/2022	21	112.74	57.11	90.93	10.58
11/1/2022	22	102.81	54.89	91.24	9.85
11/1/2022	23	90.98	52.79	89.12	9.50
11/1/2022	24	82.41	51.84	87.76	9.22
11/2/2022	1	79.08	50.41	88.29	9.20
11/2/2022	2	77.39	49.84	86.60	9.03
11/2/2022	3	78.07	50.00	85.41	9.07
11/2/2022	4	80.16	50.92	86.27	9.12
11/2/2022	5	86.20	53.30	87.99	9.69
11/2/2022	6	98.10	58.33	93.60	11.27

11/2/2022	7	107.19	63.93	98.48	14.33
11/2/2022	8	105.62	68.97	102.60	16.33
11/2/2022	9	102.42	70.95	102.92	16.96
11/2/2022	10	98.27	73.24	102.94	16.90
11/2/2022	11	94.60	76.12	105.15	16.71
11/2/2022	12	92.46	77.02	105.57	16.86
11/2/2022	13	89.12	78.06	106.77	16.62
11/2/2022	14	86.57	77.70	105.98	15.98
11/2/2022	15	86.64	76.89	103.15	15.13
11/2/2022	16	91.15	75.46	98.25	13.73
11/2/2022	17	98.45	71.59	95.06	12.79
11/2/2022	18	105.18	68.30	93.32	12.16
11/2/2022	19	114.22	66.52	92.44	12.21
11/2/2022	20	114.95	63.12	91.36	11.39
11/2/2022	21	109.25	59.61	89.61	10.44
11/2/2022	22	99.00	56.52	89.99	9.75
11/2/2022	23	86.88	54.24	88.01	9.34
11/2/2022	24	78.14	52.91	85.27	8.93
11/3/2022	1	73.82	51.67	84.65	8.86
11/3/2022	2	71.59	50.94	83.63	8.83
11/3/2022	3	71.40	50.87	82.87	8.76
11/3/2022	4	72.98	51.50	86.13	8.81
11/3/2022	5	78.03	54.60	89.81	9.34
11/3/2022	6	89.71	59.30	96.17	11.19
11/3/2022	7	98.05	64.43	101.56	14.19
11/3/2022	8	95.58	69.21	104.98	16.28
11/3/2022	9	93.48	71.51	105.87	16.61
11/3/2022	10	91.03	75.03	108.00	16.89
11/3/2022	11	88.60	77.64	108.72	16.85
11/3/2022	12	87.28	78.84	106.37	16.92
11/3/2022	13	85.34	79.47	109.69	16.62
11/3/2022	14	84.35	79.88	108.01	16.44
11/3/2022	15	85.07	78.46	103.15	15.54
11/3/2022	16	89.69	76.14	99.35	13.84
11/3/2022	17	97.17	71.69	95.38	13.17
11/3/2022	18	104.93	68.59	93.12	12.45
11/3/2022	19	113.16	67.07	92.23	12.26
11/3/2022	20	113.14	63.81	90.62	11.48
11/3/2022	21	107.50	60.69	90.36	10.67
11/3/2022	22	97.21	57.80	89.36	9.78
11/3/2022	23	85.55	55.39	87.06	9.17
11/3/2022	24	77.22	53.71	80.18	9.01
11/4/2022	1	70.98	52.03	83.21	8.97
11/4/2022	2	68.09	51.19	83.57	8.77
11/4/2022	3	67.20	51.04	83.31	8.82
11/4/2022	4	68.56	51.49	85.07	8.93
11/4/2022	5	72.46	53.98	87.36	9.45
11/4/2022	6	82.26	58.59	91.36	11.20
11/4/2022	7	89.90	63.65	97.66	13.98
11/4/2022	8	89.26	68.86	99.87	15.86
11/4/2022	9	89.46	71.67	100.25	16.22
11/4/2022	10	90.03	74.30	102.24	16.52

11/4/2022	11	91.10	75.80	100.63	16.39
11/4/2022	12	92.38	75.47	100.53	16.20
11/4/2022	13	92.96	75.84	99.31	15.76
11/4/2022	14	91.97	75.50	100.10	15.39
11/4/2022	15	91.90	74.57	96.26	14.34
11/4/2022	16	95.98	73.46	91.99	12.99
11/4/2022	17	100.10	70.31	89.74	11.81
11/4/2022	18	103.74	68.22	82.35	11.33
11/4/2022	19	108.32	67.67	81.51	11.27
11/4/2022	20	106.58	65.77	73.61	10.83
11/4/2022	21	102.82	63.34	72.70	10.35
11/4/2022	22	96.68	60.36	71.51	9.74
11/4/2022	23	87.83	57.38	69.02	9.23
11/4/2022	24	81.68	53.32	63.39	8.88
11/5/2022	1	72.95	53.07	65.84	8.73
11/5/2022	2	68.86	52.04	64.57	8.46
11/5/2022	3	66.69	51.48	63.46	8.31
11/5/2022	4	65.75	51.71	63.02	8.18
11/5/2022	5	66.51	53.09	63.83	8.20
11/5/2022	6	68.29	55.62	63.73	8.46
11/5/2022	7	74.91	57.52	63.54	8.88
11/5/2022	8	86.05	60.20	64.83	9.25
11/5/2022	9	97.00	62.56	65.96	9.65
11/5/2022	10	102.01	64.01	65.89	9.92
11/5/2022	11	104.75	65.13	65.09	9.58
11/5/2022	12	105.23	65.74	64.45	9.68
11/5/2022	13	103.84	65.71	63.91	9.40
11/5/2022	14	94.51	63.94	63.61	9.31
11/5/2022	15	93.71	62.51	62.78	9.26
11/5/2022	16	94.97	59.44	60.05	9.15
11/5/2022	17	103.23	57.91	56.88	8.82
11/5/2022	18	105.77	57.33	56.96	8.76
11/5/2022	19	111.44	58.28	57.01	9.21
11/5/2022	20	111.55	56.97	57.64	9.29
11/5/2022	21	108.85	54.98	55.68	9.07
11/5/2022	22	103.65	52.82	54.79	8.92
11/5/2022	23	96.87	50.72	53.98	8.67
11/5/2022	24	86.97	49.63	57.49	8.72
11/6/2022	1	141.82	85.14	94.27	15.02
11/6/2022	2	77.75	47.48	53.37	8.63
11/6/2022	3	77.51	47.58	53.03	8.57
11/6/2022	4	78.83	47.99	53.77	8.53
11/6/2022	5	82.12	49.48	53.32	8.58
11/6/2022	6	88.41	51.12	53.61	8.81
11/6/2022	7	99.64	52.90	54.60	8.95
11/6/2022	8	113.81	54.48	55.51	8.90
11/6/2022	9	121.02	57.36	56.80	8.98
11/6/2022	10	120.67	59.79	57.37	9.23
11/6/2022	11	118.30	61.62	57.54	9.43
11/6/2022	12	116.91	62.02	59.30	9.36
11/6/2022	13	113.41	61.76	60.21	9.39
11/6/2022	14	109.69	61.47	59.89	9.36

11/6/2022	15	107.87	60.97	59.64	9.34
11/6/2022	16	110.36	60.78	58.83	9.29
11/6/2022	17	119.13	59.54	59.08	9.14
11/6/2022	18	129.45	60.34	59.13	9.63
11/6/2022	19	127.83	59.27	62.43	9.72
11/6/2022	20	122.11	57.05	60.22	9.58
11/6/2022	21	112.31	54.58	66.05	9.35
11/6/2022	22	100.42	52.83	67.07	8.99
11/6/2022	23	88.95	51.32	68.05	8.85
11/6/2022	24	84.44	50.35	74.13	9.01
11/7/2022	1	77.34	49.02	68.78	8.72
11/7/2022	2	75.89	48.41	72.04	8.68
11/7/2022	3	76.50	48.49	73.56	8.78
11/7/2022	4	79.21	49.40	74.91	9.01
11/7/2022	5	86.11	52.68	79.65	9.66
11/7/2022	6	100.09	57.62	86.31	11.37
11/7/2022	7	109.06	61.56	93.53	13.96
11/7/2022	8	104.29	65.63	100.00	15.88
11/7/2022	9	100.90	70.19	95.65	16.42
11/7/2022	10	98.66	72.07	105.37	16.73
11/7/2022	11	97.34	73.05	107.50	16.69
11/7/2022	12	96.41	72.87	106.33	16.50
11/7/2022	13	94.06	73.02	108.54	15.84
11/7/2022	14	92.32	72.14	106.78	15.44
11/7/2022	15	92.92	70.24	102.38	14.63
11/7/2022	16	100.56	68.09	97.62	13.51
11/7/2022	17	116.64	64.97	95.57	12.77
11/7/2022	18	131.54	63.97	94.73	12.78
11/7/2022	19	133.08	62.06	94.01	12.38
11/7/2022	20	129.34	60.10	93.10	12.06
11/7/2022	21	122.73	57.69	93.92	11.17
11/7/2022	22	111.93	55.37	93.79	10.41
11/7/2022	23	100.88	53.63	89.02	9.83
11/7/2022	24	93.51	52.22	90.49	9.40
11/8/2022	1	90.54	51.54	89.28	9.42
11/8/2022	2	88.72	50.97	84.80	9.35
11/8/2022	3	88.69	51.37	86.11	9.40
11/8/2022	4	91.45	52.36	86.46	9.55
11/8/2022	5	98.37	55.21	91.78	10.34
11/8/2022	6	110.18	60.10	98.46	12.15
11/8/2022	7	117.79	64.67	103.69	14.73
11/8/2022	8	112.48	68.52	104.98	16.51
11/8/2022	9	107.11	72.15	104.16	17.04
11/8/2022	10	102.68	73.71	110.34	17.10
11/8/2022	11	99.73	74.24	108.40	16.99
11/8/2022	12	97.21	74.21	108.16	16.75
11/8/2022	13	94.34	74.69	108.07	16.05
11/8/2022	14	91.04	73.87	107.85	15.59
11/8/2022	15	91.25	72.47	105.33	14.43
11/8/2022	16	99.46	69.63	101.57	13.15
11/8/2022	17	113.27	66.28	95.62	12.44
11/8/2022	18	127.22	65.72	96.10	12.41

11/8/2022	19	128.30	63.25	97.70	12.16
11/8/2022	20	126.12	60.90	97.40	11.55
11/8/2022	21	119.61	58.06	96.12	10.88
11/8/2022	22	109.36	54.96	95.95	10.16
11/8/2022	23	99.39	53.08	94.72	9.53
11/8/2022	24	88.61	52.46	92.11	9.12
11/9/2022	1	87.59	51.18	92.59	9.27
11/9/2022	2	85.43	50.41	92.12	9.19
11/9/2022	3	85.46	51.04	91.82	9.20
11/9/2022	4	87.32	52.22	90.27	9.41
11/9/2022	5	92.92	55.02	94.21	10.16
11/9/2022	6	104.23	59.74	100.70	12.03
11/9/2022	7	112.12	64.22	104.62	14.37
11/9/2022	8	107.61	68.53	107.85	16.24
11/9/2022	9	104.77	72.30	107.93	17.17
11/9/2022	10	103.04	74.72	106.72	17.19
11/9/2022	11	100.84	75.19	107.04	17.11
11/9/2022	12	99.75	75.23	106.89	16.83
11/9/2022	13	97.10	75.56	108.70	16.41
11/9/2022	14	92.99	74.67	108.83	15.83
11/9/2022	15	92.43	73.71	103.85	14.71
11/9/2022	16	98.00	71.58	99.20	13.32
11/9/2022	17	108.60	68.92	96.39	12.62
11/9/2022	18	120.74	67.83	96.01	12.44
11/9/2022	19	121.03	65.77	93.99	11.81
11/9/2022	20	117.37	63.01	92.64	11.20
11/9/2022	21	110.20	59.98	93.30	10.37
11/9/2022	22	98.82	56.98	92.38	9.55
11/9/2022	23	87.13	54.66	91.76	8.89
11/9/2022	24	78.01	53.08	90.80	8.78
11/10/2022	1	74.73	52.47	88.59	8.55
11/10/2022	2	72.38	51.42	90.73	8.47
11/10/2022	3	72.32	51.79	91.84	8.61
11/10/2022	4	73.50	52.84	93.03	8.77
11/10/2022	5	78.77	55.86	97.34	9.47
11/10/2022	6	90.42	60.50	102.50	11.22
11/10/2022	7	97.93	65.94	108.05	13.98
11/10/2022	8	92.90	69.48	110.27	15.97
11/10/2022	9	89.01	74.32	110.93	16.83
11/10/2022	10	86.31	77.92	112.11	17.28
11/10/2022	11	84.63	79.80	113.57	17.14
11/10/2022	12	84.27	79.56	111.83	17.24
11/10/2022	13	83.18	81.24	112.82	16.82
11/10/2022	14	82.52	80.51	111.93	16.63
11/10/2022	15	84.07	78.87	108.70	15.26
11/10/2022	16	89.06	76.87	103.13	13.80
11/10/2022	17	99.03	71.90	100.13	12.82
11/10/2022	18	111.50	69.36	97.38	13.00
11/10/2022	19	112.20	66.12	94.79	12.23
11/10/2022	20	109.23	63.05	95.18	11.51
11/10/2022	21	103.41	60.24	95.82	10.57
11/10/2022	22	93.26	57.19	92.63	9.57

11/10/2022	23	82.35	54.29	94.24	9.09
11/10/2022	24	81.89	52.40	86.93	9.11
11/11/2022	1	69.96	50.67	92.22	8.83
11/11/2022	2	68.10	49.66	91.59	8.80
11/11/2022	3	68.01	49.62	91.40	8.70
11/11/2022	4	69.93	50.23	90.67	8.78
11/11/2022	5	75.73	52.97	93.54	9.36
11/11/2022	6	87.67	56.48	99.51	10.99
11/11/2022	7	97.32	60.71	103.88	13.23
11/11/2022	8	97.57	64.68	106.48	15.21
11/11/2022	9	98.06	68.27	106.80	15.55
11/11/2022	10	98.15	70.48	106.40	15.70
11/11/2022	11	98.60	71.56	106.55	15.83
11/11/2022	12	99.75	70.91	104.58	15.39
11/11/2022	13	101.98	71.44	105.23	14.95
11/11/2022	14	103.63	71.01	103.19	14.65
11/11/2022	15	106.99	70.11	98.74	13.63
11/11/2022	16	113.32	68.23	93.23	12.44
11/11/2022	17	122.95	65.87	93.77	12.01
11/11/2022	18	132.48	65.26	93.01	12.01
11/11/2022	19	131.73	63.50	84.09	11.47
11/11/2022	20	129.49	61.88	79.92	11.09
11/11/2022	21	125.85	59.49	78.96	10.96
11/11/2022	22	119.86	56.65	77.85	10.45
11/11/2022	23	111.22	54.51	74.39	9.89
11/11/2022	24	105.28	52.63	69.65	9.57
11/12/2022	1	98.66	51.96	72.66	9.53
11/12/2022	2	95.58	51.15	72.13	9.47
11/12/2022	3	93.97	51.13	71.96	9.34
11/12/2022	4	93.77	51.41	72.79	9.38
11/12/2022	5	96.26	53.43	69.66	9.50
11/12/2022	6	101.22	56.06	71.83	9.87
11/12/2022	7	109.98	58.06	72.60	9.96
11/12/2022	8	122.53	60.18	72.86	10.08
11/12/2022	9	130.34	63.04	73.01	10.24
11/12/2022	10	131.79	64.46	72.17	10.60
11/12/2022	11	134.25	65.45	70.69	10.72
11/12/2022	12	134.92	64.77	69.87	10.64
11/12/2022	13	137.29	63.63	65.38	10.54
11/12/2022	14	137.28	62.64	66.63	10.37
11/12/2022	15	137.26	62.08	66.41	10.32
11/12/2022	16	141.29	61.85	66.13	10.40
11/12/2022	17	147.94	62.53	65.87	10.37
11/12/2022	18	149.83	62.64	64.90	10.69
11/12/2022	19	146.39	61.41	63.41	10.72
11/12/2022	20	141.71	59.64	63.54	10.71
11/12/2022	21	135.77	58.01	62.86	10.35
11/12/2022	22	126.23	55.67	63.35	10.14
11/12/2022	23	117.55	53.42	63.18	9.96
11/12/2022	24	109.79	51.94	66.26	9.86
11/13/2022	1	104.44	51.17	62.68	9.74
11/13/2022	2	100.40	50.34	61.78	9.69

11/13/2022	3	97.54	49.87	61.50	9.60
11/13/2022	4	97.38	50.14	61.29	9.65
11/13/2022	5	101.67	51.53	63.06	9.78
11/13/2022	6	106.37	53.34	62.75	10.11
11/13/2022	7	115.69	55.04	63.44	10.34
11/13/2022	8	129.55	56.25	63.33	10.36
11/13/2022	9	140.13	58.67	63.13	10.26
11/13/2022	10	143.38	60.65	63.76	10.44
11/13/2022	11	144.56	61.98	64.27	10.82
11/13/2022	12	146.78	61.60	63.70	10.55
11/13/2022	13	148.11	60.97	63.63	10.59
11/13/2022	14	147.74	60.22	63.65	10.62
11/13/2022	15	148.45	59.64	63.56	10.68
11/13/2022	16	152.32	59.82	63.23	10.58
11/13/2022	17	161.88	60.45	63.68	10.66
11/13/2022	18	165.46	60.70	63.79	11.22
11/13/2022	19	161.81	59.71	66.99	11.21
11/13/2022	20	155.51	58.44	65.15	10.94
11/13/2022	21	144.91	56.39	72.87	10.85
11/13/2022	22	132.35	54.45	75.58	10.28
11/13/2022	23	119.53	52.75	76.77	10.22
11/13/2022	24	110.01	52.47	80.65	10.19
11/14/2022	1	104.53	51.01	78.45	10.15
11/14/2022	2	102.33	50.85	78.75	10.08
11/14/2022	3	101.83	51.13	79.39	10.16
11/14/2022	4	103.79	52.20	80.21	10.33
11/14/2022	5	109.58	54.96	84.93	11.42
11/14/2022	6	121.30	59.69	90.92	13.23
11/14/2022	7	129.90	64.68	97.37	16.06
11/14/2022	8	126.76	70.03	102.13	18.15
11/14/2022	9	126.45	73.55	104.19	18.62
11/14/2022	10	126.09	75.63	104.29	18.72
11/14/2022	11	125.64	76.29	106.60	18.46
11/14/2022	12	123.78	75.45	105.24	18.15
11/14/2022	13	119.21	74.45	107.96	17.51
11/14/2022	14	115.52	73.13	107.69	16.94
11/14/2022	15	116.65	71.61	102.80	15.80
11/14/2022	16	125.95	69.37	99.43	14.52
11/14/2022	17	142.52	67.18	97.14	13.93
11/14/2022	18	155.03	66.23	94.64	13.82
11/14/2022	19	153.78	64.01	94.04	13.29
11/14/2022	20	150.14	62.00	94.13	12.70
11/14/2022	21	143.26	60.13	94.67	12.02
11/14/2022	22	132.60	57.83	94.35	11.27
11/14/2022	23	120.24	56.11	93.23	10.70
11/14/2022	24	111.83	54.39	91.77	10.34
11/15/2022	1	107.68	53.94	91.20	10.37
11/15/2022	2	105.10	53.50	89.14	10.34
11/15/2022	3	104.41	53.50	87.79	10.33
11/15/2022	4	105.84	54.46	90.16	10.42
11/15/2022	5	112.28	57.53	92.76	11.18
11/15/2022	6	123.29	62.28	98.88	13.34

11/15/2022	7	130.78	66.84	104.54	15.93
11/15/2022	8	127.72	71.64	107.07	17.78
11/15/2022	9	127.19	75.14	107.62	18.52
11/15/2022	10	125.49	76.53	108.45	18.65
11/15/2022	11	122.69	77.18	108.93	18.46
11/15/2022	12	122.34	76.29	108.80	18.12
11/15/2022	13	121.20	76.01	109.92	17.63
11/15/2022	14	121.10	75.10	107.36	17.21
11/15/2022	15	123.54	73.39	105.40	16.16
11/15/2022	16	132.69	71.24	101.65	14.77
11/15/2022	17	146.84	69.06	94.80	14.04
11/15/2022	18	157.60	66.60	92.90	13.82
11/15/2022	19	156.68	64.39	85.03	13.33
11/15/2022	20	152.37	62.25	83.80	12.81
11/15/2022	21	144.06	60.12	88.09	12.03
11/15/2022	22	132.39	57.62	93.26	11.10
11/15/2022	23	119.87	55.24	92.67	10.65
11/15/2022	24	111.53	54.20	89.66	10.45
11/16/2022	1	106.30	53.52	90.33	10.31
11/16/2022	2	104.00	52.92	88.62	10.32
11/16/2022	3	103.51	53.31	89.78	10.42
11/16/2022	4	105.43	54.34	90.64	10.60
11/16/2022	5	110.75	57.14	93.92	11.37
11/16/2022	6	115.45	61.18	98.57	13.24
11/16/2022	7	121.17	65.25	102.41	15.70
11/16/2022	8	119.09	69.70	105.75	17.15
11/16/2022	9	117.26	70.77	107.90	17.37
11/16/2022	10	114.45	69.71	108.58	17.21
11/16/2022	11	116.17	69.98	107.54	17.02
11/16/2022	12	118.08	70.08	108.31	16.80
11/16/2022	13	121.02	72.77	110.38	16.60
11/16/2022	14	124.45	73.23	110.66	16.49
11/16/2022	15	127.52	72.09	106.63	15.55
11/16/2022	16	135.64	69.99	103.30	14.55
11/16/2022	17	150.50	68.13	99.83	14.06
11/16/2022	18	159.90	66.18	97.52	13.65
11/16/2022	19	159.65	64.14	97.26	13.34
11/16/2022	20	153.93	61.80	96.84	12.77
11/16/2022	21	146.35	59.81	95.21	11.81
11/16/2022	22	134.07	57.51	94.94	11.20
11/16/2022	23	121.53	55.51	92.36	10.72
11/16/2022	24	115.80	54.95	90.52	10.71
11/17/2022	1	108.77	53.61	91.28	10.61
11/17/2022	2	105.46	53.14	91.86	10.52
11/17/2022	3	104.68	53.43	91.36	10.57
11/17/2022	4	106.71	54.16	92.46	10.77
11/17/2022	5	112.17	56.98	95.59	11.60
11/17/2022	6	122.14	60.95	100.07	13.58
11/17/2022	7	130.84	65.50	105.01	15.95
11/17/2022	8	129.84	71.12	108.22	17.79
11/17/2022	9	130.93	74.03	108.20	17.98
11/17/2022	10	131.53	76.06	107.23	18.38

11/17/2022	11	132.35	77.21	109.24	18.12
11/17/2022	12	132.23	76.74	107.35	18.01
11/17/2022	13	131.05	76.67	109.35	17.58
11/17/2022	14	132.87	76.32	109.56	17.23
11/17/2022	15	134.97	74.79	104.22	16.16
11/17/2022	16	143.73	72.47	102.06	15.22
11/17/2022	17	158.92	70.21	97.66	14.64
11/17/2022	18	168.37	67.99	96.92	14.52
11/17/2022	19	166.81	65.81	96.60	14.05
11/17/2022	20	162.34	63.59	94.75	13.43
11/17/2022	21	156.13	61.50	92.07	12.39
11/17/2022	22	144.74	59.27	93.23	11.81
11/17/2022	23	132.06	57.18	92.95	11.21
11/17/2022	24	126.93	56.31	86.81	11.09
11/18/2022	1	118.21	55.06	90.50	10.90
11/18/2022	2	115.27	54.33	87.90	10.84
11/18/2022	3	114.54	54.79	85.98	10.93
11/18/2022	4	116.32	55.78	87.04	11.17
11/18/2022	5	122.18	58.39	91.61	11.86
11/18/2022	6	132.50	62.38	96.20	13.94
11/18/2022	7	140.60	66.74	101.02	15.64
11/18/2022	8	142.08	70.95	102.71	16.83
11/18/2022	9	144.23	74.26	104.11	17.04
11/18/2022	10	145.62	76.15	104.42	17.22
11/18/2022	11	146.99	77.28	104.67	17.13
11/18/2022	12	147.80	76.88	105.84	16.98
11/18/2022	13	147.73	76.06	106.30	16.56
11/18/2022	14	148.55	74.75	104.39	16.24
11/18/2022	15	150.78	73.58	101.05	15.25
11/18/2022	16	157.68	72.25	96.68	14.32
11/18/2022	17	168.63	70.54	94.27	13.89
11/18/2022	18	174.77	68.78	91.63	13.82
11/18/2022	19	171.71	67.52	83.30	13.29
11/18/2022	20	167.56	65.30	79.49	12.79
11/18/2022	21	162.17	63.50	79.19	12.40
11/18/2022	22	154.77	61.64	78.96	12.10
11/18/2022	23	145.53	59.18	75.87	11.79
11/18/2022	24	139.02	58.08	72.53	11.65
11/19/2022	1	132.14	56.84	73.36	11.42
11/19/2022	2	129.22	56.27	72.64	11.40
11/19/2022	3	127.52	56.12	72.24	11.50
11/19/2022	4	127.52	56.59	73.04	11.48
11/19/2022	5	130.45	58.41	74.16	11.55
11/19/2022	6	135.69	60.87	75.02	11.92
11/19/2022	7	144.99	62.20	74.37	12.09
11/19/2022	8	157.50	61.82	72.97	12.05
11/19/2022	9	166.06	64.66	70.02	12.32
11/19/2022	10	168.42	66.38	72.79	12.57
11/19/2022	11	169.20	67.08	70.16	12.84
11/19/2022	12	170.18	67.87	70.93	12.51
11/19/2022	13	169.71	68.01	72.37	12.47
11/19/2022	14	168.29	67.06	71.98	12.34

11/19/2022	15	167.11	66.46	71.25	12.17
11/19/2022	16	170.83	66.23	70.17	12.14
11/19/2022	17	178.32	66.92	70.09	12.39
11/19/2022	18	184.88	67.57	69.61	12.79
11/19/2022	19	180.96	66.88	69.86	12.57
11/19/2022	20	176.57	65.78	69.54	12.55
11/19/2022	21	169.75	64.04	68.50	12.45
11/19/2022	22	161.39	62.09	69.03	12.13
11/19/2022	23	151.37	59.89	67.32	11.87
11/19/2022	24	140.34	58.19	71.23	11.60
11/20/2022	1	136.60	57.80	66.87	11.52
11/20/2022	2	132.78	57.38	67.04	11.64
11/20/2022	3	130.90	57.34	67.51	11.68
11/20/2022	4	130.20	57.62	66.14	11.64
11/20/2022	5	132.40	58.83	66.39	11.64
11/20/2022	6	136.45	60.66	66.83	11.93
11/20/2022	7	145.00	62.45	67.29	12.13
11/20/2022	8	158.52	62.95	66.89	11.88
11/20/2022	9	168.81	65.09	67.19	11.93
11/20/2022	10	171.88	66.84	67.85	12.07
11/20/2022	11	169.09	66.79	68.29	12.10
11/20/2022	12	165.27	65.89	68.91	12.19
11/20/2022	13	161.06	64.95	69.73	12.09
11/20/2022	14	157.28	63.62	69.32	12.14
11/20/2022	15	157.23	63.26	68.52	11.93
11/20/2022	16	162.05	63.36	67.92	11.97
11/20/2022	17	175.51	64.45	68.46	12.06
11/20/2022	18	186.35	65.40	69.11	12.46
11/20/2022	19	185.56	64.28	73.19	12.49
11/20/2022	20	179.68	62.56	70.89	12.33
11/20/2022	21	170.04	61.21	78.52	12.00
11/20/2022	22	156.71	59.31	80.61	11.85
11/20/2022	23	143.05	57.82	82.89	11.72
11/20/2022	24	130.09	56.69	84.13	11.20
11/21/2022	1	127.54	56.41	84.17	11.34
11/21/2022	2	125.14	56.21	83.88	11.37
11/21/2022	3	124.39	56.46	85.42	11.42
11/21/2022	4	125.97	57.41	85.99	11.81
11/21/2022	5	131.99	59.84	88.87	12.95
11/21/2022	6	143.13	63.82	94.53	14.69
11/21/2022	7	151.34	68.41	99.96	17.28
11/21/2022	8	147.05	72.79	101.14	19.19
11/21/2022	9	144.05	76.07	100.78	19.56
11/21/2022	10	137.65	77.20	103.24	19.54
11/21/2022	11	132.65	77.22	101.91	19.22
11/21/2022	12	128.88	76.45	100.23	18.87
11/21/2022	13	124.68	75.54	102.66	18.16
11/21/2022	14	121.88	73.96	99.88	17.64
11/21/2022	15	121.74	72.58	99.79	16.28
11/21/2022	16	129.45	70.63	94.60	15.15
11/21/2022	17	146.05	68.17	91.71	14.58
11/21/2022	18	160.71	67.40	89.03	14.53

11/21/2022	19	160.69	65.32	89.41	13.99
11/21/2022	20	158.20	63.31	88.91	13.32
11/21/2022	21	152.50	61.18	86.22	12.30
11/21/2022	22	141.68	59.24	89.38	11.69
11/21/2022	23	129.49	57.54	88.71	11.10
11/21/2022	24	120.51	56.34	85.53	10.86
11/22/2022	1	116.96	55.80	88.29	10.85
11/22/2022	2	115.14	55.27	85.78	10.77
11/22/2022	3	115.29	55.98	85.55	10.80
11/22/2022	4	117.33	56.74	86.28	10.97
11/22/2022	5	124.21	59.71	89.22	11.85
11/22/2022	6	135.99	63.87	94.18	14.12
11/22/2022	7	144.61	68.59	98.44	16.87
11/22/2022	8	141.36	72.80	100.74	18.63
11/22/2022	9	135.63	75.72	101.04	18.98
11/22/2022	10	129.50	77.06	102.92	18.80
11/22/2022	11	124.39	77.77	103.91	18.44
11/22/2022	12	120.97	76.59	101.37	17.84
11/22/2022	13	117.32	75.85	103.18	17.40
11/22/2022	14	114.27	74.61	101.28	16.69
11/22/2022	15	114.76	73.02	97.72	15.46
11/22/2022	16	122.48	70.44	92.99	14.01
11/22/2022	17	138.87	67.87	90.51	13.53
11/22/2022	18	152.99	66.77	89.02	13.59
11/22/2022	19	153.98	64.95	87.96	13.17
11/22/2022	20	152.20	62.22	77.66	12.46
11/22/2022	21	147.95	60.60	76.92	11.73
11/22/2022	22	138.91	58.61	76.70	11.15
11/22/2022	23	127.60	56.71	74.90	10.80
11/22/2022	24	119.22	54.95	71.34	10.41
11/23/2022	1	114.72	54.93	72.48	10.41
11/23/2022	2	112.19	54.47	71.33	10.33
11/23/2022	3	111.69	54.75	71.55	10.37
11/23/2022	4	113.70	55.79	72.11	10.58
11/23/2022	5	118.86	57.99	75.55	11.32
11/23/2022	6	126.95	62.14	81.32	12.83
11/23/2022	7	135.66	66.74	86.24	14.24
11/23/2022	8	139.39	70.51	87.60	14.62
11/23/2022	9	137.93	73.28	88.63	14.71
11/23/2022	10	134.59	74.69	89.33	14.59
11/23/2022	11	130.94	75.06	88.94	14.33
11/23/2022	12	127.17	73.61	89.25	13.92
11/23/2022	13	122.83	72.75	89.39	13.52
11/23/2022	14	120.28	71.70	86.82	12.96
11/23/2022	15	118.99	70.60	82.32	12.50
11/23/2022	16	122.92	68.56	78.32	12.19
11/23/2022	17	136.78	66.15	74.96	11.90
11/23/2022	18	147.57	64.51	76.28	12.04
11/23/2022	19	147.89	62.57	76.32	11.85
11/23/2022	20	146.41	60.59	76.48	11.33
11/23/2022	21	142.90	58.33	74.28	10.89
11/23/2022	22	135.92	56.34	72.40	10.64

11/23/2022	23	125.64	54.63	67.61	10.21
11/23/2022	24	113.40	52.42	63.28	10.04
11/24/2022	1	110.24	52.24	62.82	10.14
11/24/2022	2	106.76	51.87	61.64	10.02
11/24/2022	3	105.16	52.13	61.24	10.09
11/24/2022	4	106.14	52.37	60.85	10.30
11/24/2022	5	109.84	53.72	59.74	10.82
11/24/2022	6	116.76	55.39	59.68	11.68
11/24/2022	7	128.46	56.09	59.80	12.23
11/24/2022	8	146.47	54.89	60.37	11.81
11/24/2022	9	161.54	54.98	59.92	11.57
11/24/2022	10	170.40	54.86	60.68	11.75
11/24/2022	11	175.67	54.94	60.53	11.68
11/24/2022	12	171.14	54.22	60.64	11.55
11/24/2022	13	157.29	53.27	60.58	11.32
11/24/2022	14	145.55	52.49	59.58	11.04
11/24/2022	15	136.93	51.95	59.21	10.72
11/24/2022	16	133.25	52.06	59.27	10.64
11/24/2022	17	132.59	52.91	59.81	10.82
11/24/2022	18	133.51	53.21	60.35	11.01
11/24/2022	19	132.46	52.68	60.70	10.91
11/24/2022	20	131.13	52.02	60.23	10.68
11/24/2022	21	128.03	51.79	59.96	10.42
11/24/2022	22	121.61	51.52	60.49	10.23
11/24/2022	23	112.25	50.68	60.80	9.85
11/24/2022	24	106.62	50.91	60.87	9.93
11/25/2022	1	97.90	49.77	61.67	9.76
11/25/2022	2	95.22	49.45	61.31	9.72
11/25/2022	3	94.51	50.04	60.97	9.83
11/25/2022	4	95.12	50.82	61.39	9.96
11/25/2022	5	98.19	52.79	61.55	10.24
11/25/2022	6	103.43	55.46	62.26	11.15
11/25/2022	7	110.26	57.69	63.40	11.62
11/25/2022	8	119.64	59.88	62.37	11.51
11/25/2022	9	127.50	62.03	62.26	11.31
11/25/2022	10	128.88	63.89	62.68	11.55
11/25/2022	11	127.63	64.83	63.31	11.71
11/25/2022	12	125.39	64.12	62.92	11.75
11/25/2022	13	121.02	63.93	62.90	11.65
11/25/2022	14	117.91	63.59	63.35	11.33
11/25/2022	15	116.15	62.89	63.42	10.79
11/25/2022	16	119.02	62.56	62.16	10.35
11/25/2022	17	129.73	62.66	62.00	10.60
11/25/2022	18	140.34	62.51	61.41	11.05
11/25/2022	19	141.69	61.37	62.46	10.97
11/25/2022	20	140.98	59.71	61.43	10.86
11/25/2022	21	138.63	58.08	59.91	10.76
11/25/2022	22	132.38	56.44	59.77	10.50
11/25/2022	23	124.02	54.55	59.59	10.06
11/25/2022	24	113.77	53.14	59.87	10.08
11/26/2022	1	109.85	52.48	57.79	10.16
11/26/2022	2	106.52	51.79	57.83	10.13

11/26/2022	3	105.37	51.87	58.06	10.16
11/26/2022	4	106.27	52.33	59.06	10.18
11/26/2022	5	109.44	53.91	59.58	10.24
11/26/2022	6	114.77	56.14	60.06	10.60
11/26/2022	7	123.61	58.04	61.08	10.83
11/26/2022	8	135.43	59.67	60.70	10.78
11/26/2022	9	141.53	62.03	60.68	10.71
11/26/2022	10	141.83	63.76	63.75	10.89
11/26/2022	11	139.25	64.51	65.49	10.85
11/26/2022	12	133.58	64.17	65.84	10.77
11/26/2022	13	127.80	63.55	65.59	10.38
11/26/2022	14	122.63	62.80	64.28	10.21
11/26/2022	15	118.08	61.83	62.95	10.02
11/26/2022	16	120.36	61.67	63.15	9.85
11/26/2022	17	131.11	62.32	62.86	10.43
11/26/2022	18	140.12	62.46	63.16	10.79
11/26/2022	19	140.25	61.65	64.06	10.63
11/26/2022	20	137.43	60.05	63.75	10.34
11/26/2022	21	133.78	58.23	62.97	10.23
11/26/2022	22	126.92	56.07	63.42	10.21
11/26/2022	23	117.32	54.17	62.72	10.14
11/26/2022	24	108.18	52.32	66.72	9.97
11/27/2022	1	102.53	52.03	61.86	9.79
11/27/2022	2	98.46	50.78	61.16	9.76
11/27/2022	3	96.15	50.19	62.06	9.77
11/27/2022	4	95.38	50.29	61.22	9.60
11/27/2022	5	97.05	51.35	60.42	9.76
11/27/2022	6	101.84	53.19	60.29	10.06
11/27/2022	7	109.95	55.23	61.43	10.40
11/27/2022	8	121.90	56.55	62.38	10.47
11/27/2022	9	133.72	58.02	63.95	10.45
11/27/2022	10	141.43	60.13	64.68	10.64
11/27/2022	11	146.89	61.59	64.74	10.91
11/27/2022	12	150.01	61.11	65.12	10.82
11/27/2022	13	150.82	60.52	65.16	10.76
11/27/2022	14	150.05	60.24	65.17	10.73
11/27/2022	15	148.04	59.29	64.38	10.65
11/27/2022	16	149.38	58.97	64.61	10.53
11/27/2022	17	157.93	60.30	64.54	10.90
11/27/2022	18	163.87	59.98	63.96	11.35
11/27/2022	19	161.15	59.19	67.28	11.26
11/27/2022	20	154.84	57.06	64.27	10.95
11/27/2022	21	144.93	55.48	70.21	10.93
11/27/2022	22	131.80	53.49	74.99	10.58
11/27/2022	23	117.42	51.89	79.31	10.28
11/27/2022	24	106.72	51.77	83.02	10.09
11/28/2022	1	101.46	50.83	80.22	10.16
11/28/2022	2	98.83	50.44	80.95	10.17
11/28/2022	3	98.07	50.70	81.50	10.25
11/28/2022	4	100.23	51.85	80.01	10.40
11/28/2022	5	107.10	54.79	86.15	11.24
11/28/2022	6	119.08	59.16	93.22	13.40

11/28/2022	7	126.95	64.02	98.40	16.10
11/28/2022	8	124.24	69.32	102.80	18.08
11/28/2022	9	123.09	72.34	102.90	18.53
11/28/2022	10	120.93	74.01	102.66	18.75
11/28/2022	11	118.58	74.49	103.93	18.17
11/28/2022	12	117.37	74.03	102.43	18.04
11/28/2022	13	115.12	73.60	104.21	17.38
11/28/2022	14	110.95	72.96	105.44	16.68
11/28/2022	15	111.12	71.31	102.44	15.47
11/28/2022	16	118.64	68.94	99.44	14.23
11/28/2022	17	137.23	66.92	97.08	13.69
11/28/2022	18	152.79	65.40	96.34	13.60
11/28/2022	19	152.84	63.00	94.13	13.23
11/28/2022	20	148.76	60.80	94.55	12.58
11/28/2022	21	141.49	58.28	94.19	11.70
11/28/2022	22	129.08	56.19	92.52	11.06
11/28/2022	23	115.32	54.33	91.63	10.42
11/28/2022	24	101.94	52.82	90.97	10.08
11/29/2022	1	100.75	52.42	89.03	10.21
11/29/2022	2	98.54	51.98	90.60	10.20
11/29/2022	3	98.74	52.37	90.94	10.15
11/29/2022	4	100.05	53.30	92.07	10.43
11/29/2022	5	106.11	56.08	95.75	11.15
11/29/2022	6	117.27	60.21	102.97	13.09
11/29/2022	7	124.80	65.06	108.49	15.61
11/29/2022	8	121.62	70.64	113.14	17.71
11/29/2022	9	119.32	73.88	110.24	18.16
11/29/2022	10	116.86	75.69	112.00	18.19
11/29/2022	11	113.72	76.07	111.64	17.95
11/29/2022	12	111.40	75.48	115.20	17.63
11/29/2022	13	106.86	75.28	116.29	17.18
11/29/2022	14	102.22	74.45	111.99	16.63
11/29/2022	15	103.27	72.88	106.73	15.53
11/29/2022	16	115.58	70.46	102.84	14.25
11/29/2022	17	132.28	67.70	99.67	13.73
11/29/2022	18	140.41	64.49	86.54	13.25
11/29/2022	19	137.87	62.07	86.10	12.85
11/29/2022	20	133.19	59.95	85.78	12.08
11/29/2022	21	126.09	58.20	87.44	11.30
11/29/2022	22	112.68	56.09	93.79	10.48
11/29/2022	23	99.19	53.62	93.35	9.94
11/29/2022	24	101.63	53.78	93.57	10.14
11/30/2022	1	89.44	51.66	92.30	9.89
11/30/2022	2	90.51	51.56	91.18	9.88
11/30/2022	3	93.04	52.27	91.29	10.05
11/30/2022	4	96.84	53.72	91.13	10.26
11/30/2022	5	105.81	56.71	95.38	10.99
11/30/2022	6	119.76	62.07	101.37	13.32
11/30/2022	7	131.87	67.93	105.99	16.04
11/30/2022	8	133.07	74.47	107.89	18.35
11/30/2022	9	133.72	78.47	110.80	19.09
11/30/2022	10	134.63	80.43	109.70	19.29

11/30/2022	11	136.52	80.69	108.99	19.24
11/30/2022	12	139.19	80.47	110.34	19.05
11/30/2022	13	140.34	80.40	112.63	18.65
11/30/2022	14	141.70	79.71	113.03	18.04
11/30/2022	15	146.06	78.78	110.27	17.10
11/30/2022	16	156.41	76.93	106.66	15.88
11/30/2022	17	171.45	74.92	101.06	15.31
11/30/2022	18	179.90	72.51	101.04	14.77
11/30/2022	19	178.88	69.97	100.72	14.38
11/30/2022	20	175.80	67.20	100.32	13.81
11/30/2022	21	168.50	64.92	99.45	12.95
11/30/2022	22	156.41	62.38	98.66	12.00
11/30/2022	23	142.65	60.36	97.19	11.50
11/30/2022	24	130.24	58.38	94.03	11.19
12/1/2022	1	126.54	57.78	95.65	11.25
12/1/2022	2	123.77	57.29	94.20	11.14
12/1/2022	3	122.41	57.48	93.11	11.26
12/1/2022	4	123.31	58.62	94.03	11.36
12/1/2022	5	127.97	61.17	97.53	12.20
12/1/2022	6	138.96	65.70	99.66	14.26
12/1/2022	7	146.04	70.73	103.79	17.04
12/1/2022	8	142.22	76.07	104.89	18.88
12/1/2022	9	139.87	78.71	107.08	19.29
12/1/2022	10	137.16	80.84	109.06	19.51
12/1/2022	11	134.92	81.52	108.01	19.35
12/1/2022	12	130.58	80.17	108.32	18.81
12/1/2022	13	124.36	78.54	108.78	18.00
12/1/2022	14	120.22	76.62	107.17	17.36
12/1/2022	15	123.13	75.14	103.60	16.15
12/1/2022	16	131.73	73.66	100.95	15.02
12/1/2022	17	150.65	71.99	96.69	14.50
12/1/2022	18	165.83	70.68	95.21	14.41
12/1/2022	19	166.96	68.57	94.02	14.18
12/1/2022	20	166.08	66.21	94.07	13.20
12/1/2022	21	160.53	63.73	93.56	12.36
12/1/2022	22	148.15	61.37	92.68	11.49
12/1/2022	23	133.78	58.93	90.66	10.98
12/1/2022	24	118.87	56.45	85.87	10.51
12/2/2022	1	117.65	56.56	91.31	10.59
12/2/2022	2	114.65	56.06	91.55	10.52
12/2/2022	3	112.25	55.91	91.86	10.56
12/2/2022	4	113.32	56.83	91.94	10.64
12/2/2022	5	118.06	59.26	95.54	11.55
12/2/2022	6	129.13	62.48	99.14	13.70
12/2/2022	7	136.88	66.80	103.29	16.03
12/2/2022	8	134.07	72.23	106.58	18.06
12/2/2022	9	132.36	75.51	104.93	18.27
12/2/2022	10	132.38	77.50	103.60	18.35
12/2/2022	11	131.73	78.06	104.00	18.66
12/2/2022	12	130.72	76.49	104.26	17.96
12/2/2022	13	129.88	76.27	104.35	17.27
12/2/2022	14	128.94	75.40	104.43	16.86

12/2/2022	15	130.19	73.48	101.34	15.66
12/2/2022	16	135.61	70.74	98.63	14.21
12/2/2022	17	144.58	68.45	95.00	13.67
12/2/2022	18	147.86	65.81	90.69	13.20
12/2/2022	19	142.67	63.29	80.93	12.41
12/2/2022	20	139.02	61.49	79.75	11.94
12/2/2022	21	135.28	59.44	79.04	11.57
12/2/2022	22	126.95	56.76	77.17	10.99
12/2/2022	23	116.19	54.19	74.20	10.19
12/2/2022	24	112.72	53.36	71.08	10.09
12/3/2022	1	98.84	51.31	72.04	9.77
12/3/2022	2	94.33	50.52	72.00	9.80
12/3/2022	3	91.87	50.48	71.27	9.83
12/3/2022	4	92.40	50.91	71.01	9.74
12/3/2022	5	98.15	52.94	72.65	10.07
12/3/2022	6	107.92	55.98	73.51	10.56
12/3/2022	7	118.63	58.67	74.34	11.07
12/3/2022	8	132.81	61.76	75.02	11.49
12/3/2022	9	143.35	63.96	74.75	11.74
12/3/2022	10	149.72	66.40	75.12	11.95
12/3/2022	11	154.19	67.48	71.53	12.03
12/3/2022	12	151.14	66.85	71.81	11.86
12/3/2022	13	146.45	65.75	70.54	11.91
12/3/2022	14	143.36	64.47	69.65	11.51
12/3/2022	15	141.85	63.85	69.34	11.43
12/3/2022	16	146.34	63.57	70.61	11.34
12/3/2022	17	157.99	65.03	71.34	11.67
12/3/2022	18	166.49	65.39	70.64	12.01
12/3/2022	19	164.94	64.66	70.52	11.95
12/3/2022	20	162.59	62.98	70.48	11.67
12/3/2022	21	158.72	61.48	70.02	11.51
12/3/2022	22	152.31	59.54	69.34	11.31
12/3/2022	23	143.15	57.37	67.93	10.97
12/3/2022	24	132.20	55.87	72.69	10.84
12/4/2022	1	127.28	55.44	69.60	10.76
12/4/2022	2	124.01	55.06	71.24	10.87
12/4/2022	3	122.24	55.21	71.73	10.89
12/4/2022	4	123.08	55.72	72.56	10.99
12/4/2022	5	125.86	57.07	71.33	11.16
12/4/2022	6	131.91	59.11	71.24	11.48
12/4/2022	7	141.05	61.50	70.17	11.62
12/4/2022	8	153.83	62.27	69.74	11.54
12/4/2022	9	160.95	63.76	70.72	11.53
12/4/2022	10	161.15	64.90	70.72	11.64
12/4/2022	11	159.06	65.07	69.63	11.66
12/4/2022	12	157.04	64.41	66.80	11.65
12/4/2022	13	153.48	63.44	67.66	11.73
12/4/2022	14	148.13	62.25	68.99	11.57
12/4/2022	15	146.46	61.51	68.97	11.47
12/4/2022	16	151.31	61.63	67.84	11.20
12/4/2022	17	166.09	62.90	69.60	11.23
12/4/2022	18	177.30	63.55	70.80	11.80

12/4/2022	19	176.42	62.23	74.42	11.63
12/4/2022	20	173.19	60.90	74.19	11.76
12/4/2022	21	164.70	59.47	81.62	11.71
12/4/2022	22	151.38	57.84	85.51	11.37
12/4/2022	23	137.09	56.06	86.87	11.11
12/4/2022	24	123.07	54.91	90.02	10.79
12/5/2022	1	120.93	54.24	88.23	10.91
12/5/2022	2	118.05	54.06	88.23	11.04
12/5/2022	3	117.46	54.44	88.60	11.01
12/5/2022	4	119.75	55.67	89.26	11.31
12/5/2022	5	125.52	58.49	93.33	12.26
12/5/2022	6	137.53	63.06	98.26	14.22
12/5/2022	7	145.94	68.74	103.95	17.00
12/5/2022	8	142.65	73.84	108.48	18.74
12/5/2022	9	139.79	76.95	110.18	18.97
12/5/2022	10	136.81	78.16	111.81	19.11
12/5/2022	11	133.09	78.06	112.82	19.03
12/5/2022	12	130.49	76.90	111.49	18.56
12/5/2022	13	130.11	76.44	113.88	17.86
12/5/2022	14	129.46	75.52	112.95	17.52
12/5/2022	15	131.01	73.76	107.65	16.34
12/5/2022	16	139.49	70.90	105.35	15.00
12/5/2022	17	155.28	68.22	99.66	14.53
12/5/2022	18	164.75	65.74	98.35	14.32
12/5/2022	19	162.11	63.85	99.05	13.50
12/5/2022	20	157.66	62.02	99.00	12.85
12/5/2022	21	150.72	60.13	98.84	11.96
12/5/2022	22	137.51	57.62	98.51	10.96
12/5/2022	23	122.90	55.58	94.84	10.35
12/5/2022	24	110.71	53.96	92.73	10.14
12/6/2022	1	106.10	53.63	92.67	10.03
12/6/2022	2	102.98	52.91	91.91	10.12
12/6/2022	3	102.26	53.23	92.36	10.08
12/6/2022	4	103.95	54.13	92.59	10.33
12/6/2022	5	109.98	57.03	95.08	10.99
12/6/2022	6	121.67	61.41	101.23	13.38
12/6/2022	7	128.92	66.39	107.79	15.99
12/6/2022	8	125.53	71.77	111.03	18.20
12/6/2022	9	123.77	75.22	113.18	18.57
12/6/2022	10	123.15	76.66	114.58	18.72
12/6/2022	11	122.82	77.10	113.02	18.56
12/6/2022	12	121.82	76.51	113.04	18.16
12/6/2022	13	118.42	75.87	114.32	17.50
12/6/2022	14	116.33	74.17	115.19	16.98
12/6/2022	15	118.44	72.57	111.99	15.80
12/6/2022	16	127.79	70.30	107.62	14.50
12/6/2022	17	144.04	68.04	105.26	14.16
12/6/2022	18	153.97	65.42	103.57	13.67
12/6/2022	19	152.43	63.00	103.30	13.18
12/6/2022	20	148.95	60.51	104.17	12.77
12/6/2022	21	142.62	58.82	103.72	11.86
12/6/2022	22	130.86	56.59	103.41	11.01

12/6/2022	23	116.98	54.55	101.21	10.39
12/6/2022	24	107.10	53.33	91.99	10.14
12/7/2022	1	100.92	52.54	90.42	9.98
12/7/2022	2	98.07	51.94	89.27	9.95
12/7/2022	3	97.16	52.43	93.37	9.96
12/7/2022	4	98.69	53.18	100.49	9.98
12/7/2022	5	104.22	55.81	103.03	10.67
12/7/2022	6	115.47	60.05	107.53	13.03
12/7/2022	7	123.89	65.02	112.23	15.57
12/7/2022	8	120.82	70.33	115.08	17.48
12/7/2022	9	118.56	72.50	114.67	17.96
12/7/2022	10	115.98	74.22	114.07	18.15
12/7/2022	11	114.85	74.63	114.72	17.99
12/7/2022	12	114.10	74.19	113.58	17.63
12/7/2022	13	113.32	74.26	114.56	17.18
12/7/2022	14	113.55	73.92	115.79	16.78
12/7/2022	15	115.00	72.39	110.74	15.49
12/7/2022	16	124.86	70.17	109.13	14.18
12/7/2022	17	141.31	68.25	106.10	13.90
12/7/2022	18	150.66	66.02	103.77	13.61
12/7/2022	19	150.28	63.51	104.16	13.23
12/7/2022	20	148.12	61.07	103.85	12.57
12/7/2022	21	142.60	58.67	103.51	11.71
12/7/2022	22	131.24	56.10	102.10	10.99
12/7/2022	23	117.97	54.69	98.00	10.39
12/7/2022	24	111.88	53.99	96.86	10.34
12/8/2022	1	102.87	52.71	96.68	10.12
12/8/2022	2	100.67	52.35	96.21	10.14
12/8/2022	3	99.84	52.68	96.04	10.09
12/8/2022	4	101.69	53.62	97.18	10.21
12/8/2022	5	107.56	56.50	99.57	10.79
12/8/2022	6	119.62	60.41	106.26	13.03
12/8/2022	7	128.17	65.44	112.88	15.59
12/8/2022	8	125.07	71.16	114.96	17.69
12/8/2022	9	123.39	74.11	115.20	18.17
12/8/2022	10	122.87	76.26	118.48	18.44
12/8/2022	11	122.11	77.12	117.79	18.38
12/8/2022	12	122.07	76.65	116.82	18.25
12/8/2022	13	119.50	76.12	118.43	17.66
12/8/2022	14	117.19	74.71	116.75	17.07
12/8/2022	15	118.41	73.36	112.83	15.90
12/8/2022	16	126.52	70.88	108.76	14.55
12/8/2022	17	143.40	69.16	105.90	14.13
12/8/2022	18	156.52	67.16	103.82	14.07
12/8/2022	19	157.71	65.01	101.21	13.71
12/8/2022	20	157.91	63.02	99.27	13.08
12/8/2022	21	154.52	60.69	97.91	12.19
12/8/2022	22	144.56	58.61	96.57	11.40
12/8/2022	23	131.57	56.71	94.76	10.79
12/8/2022	24	123.06	55.46	89.58	10.61
12/9/2022	1	117.04	54.55	93.95	10.59
12/9/2022	2	114.46	54.15	95.02	10.47

12/9/2022	3	113.67	54.38	94.64	10.66
12/9/2022	4	115.82	55.56	96.10	10.84
12/9/2022	5	121.56	58.10	98.38	11.60
12/9/2022	6	132.71	61.89	103.10	13.85
12/9/2022	7	141.17	66.17	106.94	16.38
12/9/2022	8	139.64	71.56	108.05	18.14
12/9/2022	9	139.91	74.62	110.28	18.52
12/9/2022	10	140.70	77.03	110.47	18.55
12/9/2022	11	141.18	77.54	111.11	18.53
12/9/2022	12	142.10	76.67	109.65	18.30
12/9/2022	13	142.57	76.55	108.86	17.74
12/9/2022	14	142.22	75.58	106.55	17.27
12/9/2022	15	144.49	73.76	102.53	15.95
12/9/2022	16	151.90	71.94	100.02	14.85
12/9/2022	17	163.54	70.19	98.31	14.29
12/9/2022	18	168.02	68.10	96.57	13.75
12/9/2022	19	164.28	66.11	92.02	13.36
12/9/2022	20	160.07	63.82	84.62	12.76
12/9/2022	21	155.87	61.84	82.34	12.16
12/9/2022	22	147.69	59.33	81.50	11.64
12/9/2022	23	136.35	56.62	77.46	11.00
12/9/2022	24	124.92	54.87	73.78	10.58
12/10/2022	1	118.75	53.97	76.73	10.49
12/10/2022	2	114.96	53.22	76.77	10.47
12/10/2022	3	112.87	53.15	76.80	10.32
12/10/2022	4	112.89	53.85	77.02	10.31
12/10/2022	5	115.40	55.55	77.41	10.61
12/10/2022	6	120.79	57.99	77.38	11.00
12/10/2022	7	128.74	60.01	78.83	11.28
12/10/2022	8	139.23	62.25	79.05	11.45
12/10/2022	9	148.64	64.20	79.37	11.54
12/10/2022	10	153.20	66.25	78.87	11.97
12/10/2022	11	154.54	66.93	78.21	12.13
12/10/2022	12	154.93	66.31	76.20	12.04
12/10/2022	13	153.31	65.07	75.23	11.93
12/10/2022	14	151.63	64.47	73.41	11.77
12/10/2022	15	150.38	63.24	71.71	11.71
12/10/2022	16	153.16	63.35	71.40	11.58
12/10/2022	17	160.41	64.32	71.36	11.77
12/10/2022	18	162.19	64.02	70.31	11.80
12/10/2022	19	158.93	62.95	70.36	11.69
12/10/2022	20	155.10	61.29	69.79	11.67
12/10/2022	21	150.37	59.75	69.74	11.44
12/10/2022	22	143.12	57.87	69.32	10.93
12/10/2022	23	132.26	55.62	68.09	10.68
12/10/2022	24	120.12	53.83	71.77	10.47
12/11/2022	1	115.08	53.25	66.89	10.47
12/11/2022	2	110.62	52.38	67.52	10.25
12/11/2022	3	108.00	52.33	67.82	10.10
12/11/2022	4	107.07	52.54	67.39	10.02
12/11/2022	5	108.79	53.89	67.12	10.18
12/11/2022	6	113.26	55.71	67.64	10.59

12/11/2022	7	120.20	57.33	68.45	11.03
12/11/2022	8	132.02	58.79	69.81	10.89
12/11/2022	9	141.89	60.27	70.38	10.65
12/11/2022	10	147.07	61.96	70.86	10.79
12/11/2022	11	149.53	62.60	71.11	10.98
12/11/2022	12	151.30	62.52	70.34	11.12
12/11/2022	13	151.38	61.85	70.32	11.18
12/11/2022	14	150.00	60.86	69.61	11.04
12/11/2022	15	150.98	60.21	69.25	11.00
12/11/2022	16	155.12	60.83	69.14	10.95
12/11/2022	17	165.64	61.63	68.34	11.23
12/11/2022	18	171.52	61.26	67.98	11.48
12/11/2022	19	168.84	59.98	71.63	11.37
12/11/2022	20	163.22	58.24	70.72	11.17
12/11/2022	21	154.06	56.87	77.85	10.97
12/11/2022	22	140.96	55.41	84.23	10.67
12/11/2022	23	125.60	53.77	85.57	10.51
12/11/2022	24	115.05	53.35	90.22	10.55
12/12/2022	1	107.79	52.10	85.99	10.37
12/12/2022	2	104.80	51.79	85.91	10.42
12/12/2022	3	104.12	52.08	87.27	10.26
12/12/2022	4	106.01	53.22	88.12	10.48
12/12/2022	5	111.90	55.92	92.43	11.31
12/12/2022	6	124.21	60.46	97.55	13.52
12/12/2022	7	132.56	65.39	105.36	16.30
12/12/2022	8	129.23	70.94	106.73	18.29
12/12/2022	9	128.46	73.81	105.80	18.66
12/12/2022	10	127.80	75.72	109.16	18.82
12/12/2022	11	127.00	76.20	114.54	18.56
12/12/2022	12	127.50	75.96	114.97	18.26
12/12/2022	13	127.27	75.57	115.43	17.86
12/12/2022	14	127.49	74.79	115.70	17.54
12/12/2022	15	130.39	73.22	112.21	16.38
12/12/2022	16	140.88	71.33	107.16	15.21
12/12/2022	17	158.30	69.45	101.18	14.80
12/12/2022	18	167.63	66.56	102.67	14.41
12/12/2022	19	166.44	64.17	104.52	14.01
12/12/2022	20	162.63	61.84	103.88	13.39
12/12/2022	21	155.80	60.06	103.20	12.23
12/12/2022	22	143.59	58.02	103.20	11.44
12/12/2022	23	129.47	56.19	100.85	10.79
12/12/2022	24	120.59	55.22	100.55	10.64
12/13/2022	1	113.24	54.03	98.21	10.43
12/13/2022	2	110.41	53.72	97.19	10.42
12/13/2022	3	110.01	54.17	98.94	10.48
12/13/2022	4	112.01	55.26	98.63	10.65
12/13/2022	5	117.82	57.87	101.11	11.49
12/13/2022	6	129.85	62.05	106.21	13.83
12/13/2022	7	137.91	66.89	113.37	16.44
12/13/2022	8	134.91	72.57	115.12	18.38
12/13/2022	9	133.89	75.89	113.24	18.81
12/13/2022	10	133.92	78.33	114.60	18.95

12/13/2022	11	134.25	78.89	115.28	18.74
12/13/2022	12	134.92	78.19	115.65	18.69
12/13/2022	13	133.87	77.66	117.52	18.19
12/13/2022	14	131.99	76.17	119.77	17.60
12/13/2022	15	134.17	75.07	116.56	16.37
12/13/2022	16	143.73	72.48	112.17	15.29
12/13/2022	17	161.24	70.33	110.02	14.82
12/13/2022	18	171.72	68.07	105.94	14.46
12/13/2022	19	170.62	65.98	105.90	13.80
12/13/2022	20	167.96	63.90	105.59	13.24
12/13/2022	21	161.41	61.90	106.16	12.52
12/13/2022	22	149.84	59.67	105.64	11.73
12/13/2022	23	135.69	57.70	102.75	11.26
12/13/2022	24	124.33	56.28	101.55	10.89
12/14/2022	1	119.43	55.45	101.83	10.95
12/14/2022	2	116.33	55.01	98.76	10.73
12/14/2022	3	115.69	55.42	97.69	10.81
12/14/2022	4	116.63	56.30	97.56	10.90
12/14/2022	5	121.60	59.08	104.23	11.63
12/14/2022	6	131.85	62.95	108.92	13.90
12/14/2022	7	140.10	67.74	113.77	16.53
12/14/2022	8	138.29	73.78	116.46	18.31
12/14/2022	9	136.06	76.55	118.36	18.67
12/14/2022	10	134.25	78.23	117.73	18.78
12/14/2022	11	133.08	79.25	119.99	18.63
12/14/2022	12	133.46	78.20	119.35	18.28
12/14/2022	13	132.83	77.43	119.24	17.83
12/14/2022	14	131.48	76.36	118.45	17.04
12/14/2022	15	134.70	74.92	115.43	15.94
12/14/2022	16	145.07	73.26	111.16	14.87
12/14/2022	17	159.40	70.64	106.64	14.80
12/14/2022	18	167.06	67.95	106.49	14.43
12/14/2022	19	166.18	66.17	106.12	13.76
12/14/2022	20	163.73	63.60	105.59	13.09
12/14/2022	21	157.67	61.21	103.44	12.10
12/14/2022	22	143.61	58.76	101.95	11.35
12/14/2022	23	130.45	57.20	100.84	10.84
12/14/2022	24	122.00	56.08	99.31	10.64
12/15/2022	1	115.35	55.27	98.41	10.33
12/15/2022	2	111.70	54.48	96.15	10.35
12/15/2022	3	109.15	54.34	97.38	10.26
12/15/2022	4	108.75	54.92	97.99	10.37
12/15/2022	5	113.37	57.57	101.43	11.00
12/15/2022	6	124.56	61.68	107.04	13.34
12/15/2022	7	132.96	66.56	112.14	15.97
12/15/2022	8	130.52	72.17	115.21	17.96
12/15/2022	9	129.92	75.22	115.91	18.24
12/15/2022	10	129.05	76.96	116.98	18.47
12/15/2022	11	129.09	77.66	116.31	18.35
12/15/2022	12	131.20	77.12	115.45	18.23
12/15/2022	13	131.58	77.09	116.96	17.84
12/15/2022	14	132.64	76.87	116.15	17.36

12/15/2022	15	136.01	75.91	112.19	16.27
12/15/2022	16	146.44	74.07	107.05	15.10
12/15/2022	17	160.27	71.07	103.63	14.57
12/15/2022	18	166.85	68.25	102.43	14.25
12/15/2022	19	165.53	66.20	102.61	13.95
12/15/2022	20	163.79	64.35	102.78	13.36
12/15/2022	21	159.48	61.74	101.92	12.33
12/15/2022	22	148.84	59.70	99.23	11.56
12/15/2022	23	134.97	57.52	99.00	11.01
12/15/2022	24	127.72	56.66	93.23	10.76
12/16/2022	1	118.68	55.43	99.43	10.61
12/16/2022	2	115.88	54.85	97.81	10.61
12/16/2022	3	115.07	55.26	98.30	10.70
12/16/2022	4	117.16	56.26	99.48	10.88
12/16/2022	5	123.05	59.14	100.50	11.56
12/16/2022	6	133.24	62.39	107.20	13.77
12/16/2022	7	142.01	67.62	111.74	16.19
12/16/2022	8	141.78	73.48	114.52	18.27
12/16/2022	9	142.43	75.49	115.74	18.82
12/16/2022	10	143.62	77.11	114.08	19.01
12/16/2022	11	143.57	78.09	113.06	18.68
12/16/2022	12	143.39	77.08	110.39	18.28
12/16/2022	13	142.32	76.19	107.70	17.88
12/16/2022	14	143.33	74.94	105.01	17.44
12/16/2022	15	146.10	73.70	99.28	16.12
12/16/2022	16	154.58	72.69	95.51	14.73
12/16/2022	17	166.10	70.73	94.22	14.40
12/16/2022	18	173.44	68.55	94.35	14.04
12/16/2022	19	171.85	66.98	88.38	13.47
12/16/2022	20	168.81	64.64	82.27	13.05
12/16/2022	21	165.88	62.84	80.71	12.65
12/16/2022	22	158.61	60.91	80.15	11.96
12/16/2022	23	147.67	58.50	77.52	11.39
12/16/2022	24	139.12	57.25	74.72	11.05
12/17/2022	1	130.73	56.17	75.17	11.00
12/17/2022	2	127.00	55.57	74.91	10.87
12/17/2022	3	125.26	55.22	74.78	10.84
12/17/2022	4	125.20	55.86	75.52	10.87
12/17/2022	5	127.67	57.60	76.75	11.01
12/17/2022	6	133.40	60.09	76.99	11.42
12/17/2022	7	141.50	61.99	77.42	11.86
12/17/2022	8	152.44	64.15	77.73	12.23
12/17/2022	9	162.27	65.89	77.20	12.25
12/17/2022	10	167.41	67.78	76.64	12.52
12/17/2022	11	170.12	68.44	75.90	12.41
12/17/2022	12	172.69	68.19	74.72	12.36
12/17/2022	13	170.86	67.81	74.15	12.29
12/17/2022	14	168.33	66.62	73.25	12.09
12/17/2022	15	168.72	66.11	72.13	11.90
12/17/2022	16	172.05	66.12	72.06	11.80
12/17/2022	17	180.56	67.43	71.86	12.25
12/17/2022	18	184.78	67.58	70.75	12.41

12/17/2022	19	181.50	66.44	71.04	12.23
12/17/2022	20	177.65	64.67	71.49	12.19
12/17/2022	21	172.52	63.10	71.55	11.82
12/17/2022	22	165.24	61.04	71.41	11.60
12/17/2022	23	154.36	59.07	70.77	11.32
12/17/2022	24	143.80	57.58	73.68	11.31
12/18/2022	1	136.31	56.63	69.97	11.12
12/18/2022	2	132.19	55.93	70.03	11.06
12/18/2022	3	130.02	55.81	69.94	11.18
12/18/2022	4	130.04	56.32	69.92	11.33
12/18/2022	5	132.27	57.84	70.25	11.46
12/18/2022	6	137.39	59.58	70.67	11.78
12/18/2022	7	145.82	61.48	71.14	11.94
12/18/2022	8	158.15	63.08	71.33	12.06
12/18/2022	9	169.74	64.59	71.59	11.90
12/18/2022	10	175.50	66.43	71.52	12.03
12/18/2022	11	178.50	67.50	71.86	12.14
12/18/2022	12	179.72	67.16	72.46	12.21
12/18/2022	13	179.24	65.89	72.59	12.20
12/18/2022	14	176.58	64.95	73.13	12.14
12/18/2022	15	176.66	64.74	72.27	12.03
12/18/2022	16	181.06	64.93	70.86	11.92
12/18/2022	17	192.32	66.14	72.36	12.27
12/18/2022	18	199.06	66.15	73.34	12.62
12/18/2022	19	196.76	64.80	76.54	12.67
12/18/2022	20	193.00	63.26	75.26	12.36
12/18/2022	21	184.11	61.71	81.50	12.05
12/18/2022	22	170.26	59.42	86.09	12.06
12/18/2022	23	154.71	58.04	84.05	11.77
12/18/2022	24	141.44	57.33	82.54	11.41
12/19/2022	1	135.02	56.80	82.62	11.54
12/19/2022	2	131.73	56.49	88.55	11.33
12/19/2022	3	130.42	56.59	89.39	11.49
12/19/2022	4	132.00	57.55	88.96	11.89
12/19/2022	5	137.89	60.38	90.40	12.84
12/19/2022	6	149.54	64.50	98.40	14.66
12/19/2022	7	157.19	69.92	102.41	17.28
12/19/2022	8	154.82	75.51	101.45	19.26
12/19/2022	9	155.12	77.88	106.80	19.57
12/19/2022	10	154.94	79.23	111.54	19.92
12/19/2022	11	154.65	79.85	112.12	19.87
12/19/2022	12	154.08	78.96	110.88	19.44
12/19/2022	13	152.67	78.57	111.98	18.62
12/19/2022	14	150.83	77.65	109.91	18.20
12/19/2022	15	152.40	76.28	106.48	17.03
12/19/2022	16	160.35	73.68	102.71	15.92
12/19/2022	17	176.63	71.47	101.19	15.52
12/19/2022	18	187.01	69.07	101.22	15.20
12/19/2022	19	186.37	66.97	101.35	14.72
12/19/2022	20	182.92	64.66	100.69	13.91
12/19/2022	21	176.76	62.93	98.34	12.79
12/19/2022	22	164.62	60.99	98.64	11.84

12/19/2022	23	149.96	59.16	97.97	11.38
12/19/2022	24	136.68	57.53	94.25	11.36
12/20/2022	1	132.74	57.34	97.16	11.37
12/20/2022	2	129.86	56.68	96.49	11.24
12/20/2022	3	129.39	57.19	96.62	11.30
12/20/2022	4	130.60	58.22	97.75	11.39
12/20/2022	5	135.92	60.87	102.36	12.16
12/20/2022	6	147.77	65.21	107.45	14.48
12/20/2022	7	156.18	70.60	111.67	17.34
12/20/2022	8	154.35	75.78	115.67	19.40
12/20/2022	9	152.69	78.54	116.14	19.71
12/20/2022	10	149.80	80.51	117.34	19.61
12/20/2022	11	147.20	80.61	114.14	19.44
12/20/2022	12	143.12	79.47	114.00	18.91
12/20/2022	13	139.58	78.86	114.83	18.37
12/20/2022	14	138.67	77.72	113.63	17.81
12/20/2022	15	140.97	76.02	109.92	16.41
12/20/2022	16	150.79	74.07	105.75	15.00
12/20/2022	17	166.53	70.93	104.00	14.80
12/20/2022	18	176.71	68.59	102.07	14.48
12/20/2022	19	176.52	66.21	90.63	13.95
12/20/2022	20	173.23	64.06	90.03	13.36
12/20/2022	21	167.80	61.93	87.71	12.37
12/20/2022	22	156.45	60.08	86.94	11.74
12/20/2022	23	141.47	57.92	86.00	11.45
12/20/2022	24	131.61	56.82	84.02	11.23
12/21/2022	1	124.24	55.80	85.02	11.19
12/21/2022	2	121.03	55.53	84.10	11.11
12/21/2022	3	120.58	56.00	83.46	11.11
12/21/2022	4	122.73	57.19	83.78	11.31
12/21/2022	5	129.35	59.82	87.38	12.15
12/21/2022	6	141.35	64.71	92.22	14.32
12/21/2022	7	150.00	69.66	97.31	16.84
12/21/2022	8	148.53	74.87	100.03	18.83
12/21/2022	9	148.18	77.67	100.41	19.10
12/21/2022	10	145.74	78.92	100.31	19.30
12/21/2022	11	143.02	79.90	99.93	19.09
12/21/2022	12	142.41	79.19	99.29	18.75
12/21/2022	13	141.49	78.68	99.50	18.18
12/21/2022	14	141.40	77.82	96.15	17.58
12/21/2022	15	143.61	76.64	92.03	16.19
12/21/2022	16	151.85	74.52	87.89	15.19
12/21/2022	17	166.25	72.37	84.53	14.95
12/21/2022	18	175.36	69.86	83.40	14.73
12/21/2022	19	175.78	67.62	82.98	14.15
12/21/2022	20	175.02	65.56	82.80	13.58
12/21/2022	21	171.17	63.20	81.91	12.63
12/21/2022	22	160.37	60.88	81.26	11.87
12/21/2022	23	146.69	58.60	80.64	11.43
12/21/2022	24	141.18	57.57	76.26	11.66
12/22/2022	1	127.38	56.23	79.85	11.32
12/22/2022	2	124.36	55.92	80.90	11.28

12/22/2022	3	123.27	56.29	79.29	11.37
12/22/2022	4	124.03	57.30	79.52	11.38
12/22/2022	5	128.61	59.37	82.64	11.98
12/22/2022	6	139.52	63.32	86.86	14.13
12/22/2022	7	147.44	67.46	90.47	16.49
12/22/2022	8	146.39	72.52	92.18	18.30
12/22/2022	9	146.51	75.28	92.96	18.52
12/22/2022	10	146.14	76.35	92.88	18.58
12/22/2022	11	145.90	76.92	91.38	18.29
12/22/2022	12	146.44	75.85	89.34	17.58
12/22/2022	13	146.50	74.94	88.96	16.64
12/22/2022	14	147.91	73.66	86.06	16.06
12/22/2022	15	151.17	72.28	81.41	14.91
12/22/2022	16	160.38	70.05	78.05	13.90
12/22/2022	17	177.36	68.70	73.28	13.83
12/22/2022	18	189.07	67.30	70.89	14.03
12/22/2022	19	190.00	66.04	68.57	13.78
12/22/2022	20	188.82	64.37	67.95	13.62
12/22/2022	21	186.03	62.99	66.43	13.21
12/22/2022	22	178.20	61.55	64.99	12.62
12/22/2022	23	168.58	60.25	63.14	12.33
12/22/2022	24	168.83	60.12	61.61	12.58
12/23/2022	1	157.38	59.40	62.36	12.63
12/23/2022	2	156.37	59.72	62.14	12.83
12/23/2022	3	157.57	60.27	62.15	12.96
12/23/2022	4	161.07	61.61	62.70	13.18
12/23/2022	5	166.68	63.50	63.28	13.64
12/23/2022	6	174.34	66.31	63.18	14.68
12/23/2022	7	182.37	68.48	63.57	15.22
12/23/2022	8	195.17	70.15	64.64	15.58
12/23/2022	9	209.43	70.49	64.51	15.29
12/23/2022	10	219.00	71.10	64.70	15.39
12/23/2022	11	226.76	71.58	64.35	15.28
12/23/2022	12	230.51	71.36	61.76	15.35
12/23/2022	13	228.96	70.21	61.76	15.25
12/23/2022	14	227.47	69.00	63.64	15.13
12/23/2022	15	227.37	68.05	63.59	14.65
12/23/2022	16	232.69	67.63	63.59	14.43
12/23/2022	17	244.51	68.71	63.52	14.39
12/23/2022	18	249.66	68.97	62.58	14.65
12/23/2022	19	244.18	68.23	62.21	14.42
12/23/2022	20	236.90	66.76	61.59	14.51
12/23/2022	21	225.59	65.16	60.90	13.76
12/23/2022	22	214.03	63.96	60.54	13.35
12/23/2022	23	201.17	62.92	60.33	13.12
12/23/2022	24	186.71	61.37	58.76	13.11
12/24/2022	1	182.05	61.85	59.88	13.03
12/24/2022	2	180.46	62.27	59.76	13.68
12/24/2022	3	178.42	62.45	59.75	13.89
12/24/2022	4	176.46	62.67	59.70	13.87
12/24/2022	5	177.89	63.44	59.80	14.01
12/24/2022	6	181.34	64.76	59.65	14.27

12/24/2022	7	188.39	65.92	59.56	14.24
12/24/2022	8	201.33	66.80	60.40	14.33
12/24/2022	9	215.72	66.56	60.47	14.15
12/24/2022	10	223.93	66.88	60.74	14.18
12/24/2022	11	228.68	66.53	59.85	14.10
12/24/2022	12	229.15	66.04	59.80	13.86
12/24/2022	13	226.54	65.79	59.80	13.82
12/24/2022	14	222.54	65.37	59.61	13.85
12/24/2022	15	219.86	64.96	59.59	13.81
12/24/2022	16	218.76	64.84	59.38	13.73
12/24/2022	17	223.58	65.90	58.25	13.87
12/24/2022	18	224.89	65.84	57.30	14.13
12/24/2022	19	218.41	64.53	56.53	14.14
12/24/2022	20	213.26	63.18	56.32	13.93
12/24/2022	21	206.84	62.32	55.93	14.00
12/24/2022	22	198.61	61.17	55.63	13.91
12/24/2022	23	187.00	60.31	55.54	13.60
12/24/2022	24	173.55	59.50	55.58	13.23
12/25/2022	1	168.46	59.17	55.51	13.19
12/25/2022	2	163.88	58.98	55.41	13.17
12/25/2022	3	160.72	59.06	55.61	13.37
12/25/2022	4	159.68	59.65	55.47	13.29
12/25/2022	5	161.32	60.01	55.99	13.31
12/25/2022	6	166.56	60.56	55.95	13.46
12/25/2022	7	175.45	61.14	55.62	13.50
12/25/2022	8	190.42	61.23	55.54	13.53
12/25/2022	9	203.44	60.85	55.60	13.36
12/25/2022	10	210.12	61.21	56.88	13.51
12/25/2022	11	212.75	60.91	57.41	13.63
12/25/2022	12	212.20	60.48	57.37	13.29
12/25/2022	13	208.50	60.08	57.20	13.15
12/25/2022	14	201.63	59.80	57.42	13.20
12/25/2022	15	196.62	59.54	57.25	13.16
12/25/2022	16	196.36	59.65	56.82	12.88
12/25/2022	17	202.87	61.27	56.99	13.20
12/25/2022	18	207.03	62.44	57.58	13.59
12/25/2022	19	205.55	62.18	57.46	13.73
12/25/2022	20	201.73	61.64	57.34	13.56
12/25/2022	21	196.07	61.71	57.17	13.41
12/25/2022	22	187.13	61.19	56.82	13.38
12/25/2022	23	176.20	60.41	56.64	13.14
12/25/2022	24	162.71	59.57	59.75	12.81
12/26/2022	1	159.46	59.70	56.76	12.83
12/26/2022	2	155.16	59.44	56.03	13.04
12/26/2022	3	152.32	59.59	55.85	12.91
12/26/2022	4	152.22	60.27	55.67	13.04
12/26/2022	5	153.81	61.50	56.60	13.07
12/26/2022	6	157.27	63.22	58.34	13.86
12/26/2022	7	162.48	64.87	61.01	14.37
12/26/2022	8	171.55	66.38	64.71	14.38
12/26/2022	9	181.41	67.13	66.37	13.99
12/26/2022	10	187.24	68.19	67.11	14.17

12/26/2022	11	188.32	68.82	67.24	14.12
12/26/2022	12	184.61	68.13	67.19	14.01
12/26/2022	13	181.57	67.95	66.70	13.85
12/26/2022	14	179.49	67.57	66.85	13.56
12/26/2022	15	179.29	67.23	66.84	13.07
12/26/2022	16	182.80	67.24	66.35	13.22
12/26/2022	17	192.42	68.15	66.83	13.60
12/26/2022	18	199.34	67.97	67.37	13.95
12/26/2022	19	196.77	66.25	67.79	13.77
12/26/2022	20	191.73	64.75	68.28	13.65
12/26/2022	21	185.83	63.26	68.45	13.24
12/26/2022	22	175.87	61.56	69.29	12.78
12/26/2022	23	162.86	59.59	69.36	12.41
12/26/2022	24	151.33	58.68	70.01	12.47
12/27/2022	1	144.66	58.20	69.04	12.45
12/27/2022	2	140.79	57.89	68.61	12.30
12/27/2022	3	138.94	58.14	68.42	12.52
12/27/2022	4	139.66	59.12	69.50	12.28
12/27/2022	5	143.72	61.06	72.85	12.53
12/27/2022	6	150.90	63.74	77.40	13.48
12/27/2022	7	158.10	67.51	81.46	14.53
12/27/2022	8	164.54	71.94	83.58	14.94
12/27/2022	9	170.52	74.35	84.80	15.01
12/27/2022	10	173.07	76.13	85.12	15.27
12/27/2022	11	173.93	76.63	85.01	15.45
12/27/2022	12	168.60	75.90	85.40	15.34
12/27/2022	13	163.31	75.29	85.53	15.13
12/27/2022	14	160.67	74.67	84.49	14.62
12/27/2022	15	164.76	74.31	80.21	14.18
12/27/2022	16	170.45	73.13	77.16	13.80
12/27/2022	17	183.27	71.80	75.10	13.62
12/27/2022	18	196.29	70.64	74.43	14.02
12/27/2022	19	194.84	68.38	74.11	13.85
12/27/2022	20	190.51	66.34	73.65	13.67
12/27/2022	21	185.40	64.44	73.38	13.35
12/27/2022	22	175.29	62.43	73.57	12.95
12/27/2022	23	161.60	60.36	73.66	12.60
12/27/2022	24	144.09	57.95	73.54	12.15
12/28/2022	1	143.16	58.07	73.85	12.35
12/28/2022	2	139.00	57.71	73.79	12.16
12/28/2022	3	137.06	57.78	74.34	12.09
12/28/2022	4	137.26	58.74	74.30	12.32
12/28/2022	5	140.37	60.36	76.62	12.64
12/28/2022	6	146.89	63.63	80.79	13.86
12/28/2022	7	152.30	67.94	84.15	15.19
12/28/2022	8	156.57	72.05	86.26	15.51
12/28/2022	9	159.35	73.45	87.27	15.53
12/28/2022	10	158.34	75.24	87.65	15.89
12/28/2022	11	155.58	75.74	87.98	15.59
12/28/2022	12	150.97	74.98	88.27	15.16
12/28/2022	13	145.35	74.42	88.76	14.76
12/28/2022	14	141.99	73.44	87.90	14.17

12/28/2022	15	142.40	72.38	83.86	13.64
12/28/2022	16	147.13	70.78	79.97	13.37
12/28/2022	17	161.54	69.39	77.17	13.25
12/28/2022	18	172.93	67.69	76.16	13.47
12/28/2022	19	171.34	65.47	75.64	13.19
12/28/2022	20	167.41	63.49	75.50	12.73
12/28/2022	21	160.75	61.14	75.51	12.19
12/28/2022	22	149.83	58.52	75.73	11.90
12/28/2022	23	136.58	56.30	75.94	11.68
12/28/2022	24	120.63	54.33	73.26	11.38
12/29/2022	1	119.02	54.20	76.18	11.29
12/29/2022	2	114.74	53.52	76.27	11.07
12/29/2022	3	112.38	53.36	76.97	11.21
12/29/2022	4	112.74	54.33	76.28	11.34
12/29/2022	5	115.96	56.37	77.06	11.85
12/29/2022	6	121.92	59.92	79.93	12.98
12/29/2022	7	127.64	64.14	82.59	13.78
12/29/2022	8	130.95	67.70	83.84	14.14
12/29/2022	9	134.52	69.90	84.18	14.16
12/29/2022	10	136.31	71.34	84.39	14.20
12/29/2022	11	136.50	72.62	84.48	14.40
12/29/2022	12	135.65	72.40	84.21	14.28
12/29/2022	13	133.54	72.32	84.01	14.06
12/29/2022	14	131.01	71.70	82.14	13.80
12/29/2022	15	130.65	70.47	78.04	13.35
12/29/2022	16	134.20	68.95	74.99	13.08
12/29/2022	17	143.70	67.13	73.23	12.70
12/29/2022	18	150.03	64.99	71.88	12.78
12/29/2022	19	147.00	62.43	70.89	12.41
12/29/2022	20	142.52	60.16	70.47	12.03
12/29/2022	21	137.13	57.93	69.65	11.47
12/29/2022	22	127.27	55.76	69.57	11.16
12/29/2022	23	115.27	53.58	68.56	10.80
12/29/2022	24	108.02	52.17	66.26	10.54
12/30/2022	1	97.48	51.38	67.06	10.44
12/30/2022	2	92.92	51.08	67.48	10.54
12/30/2022	3	90.19	51.27	67.45	10.44
12/30/2022	4	89.90	51.93	67.80	10.25
12/30/2022	5	92.18	53.92	69.71	10.71
12/30/2022	6	97.34	56.83	72.23	11.91
12/30/2022	7	103.39	60.44	74.09	12.53
12/30/2022	8	110.27	64.18	76.29	12.94
12/30/2022	9	117.65	66.31	78.40	12.86
12/30/2022	10	122.91	67.67	79.24	12.84
12/30/2022	11	126.00	68.76	75.96	12.88
12/30/2022	12	128.26	68.46	75.12	12.96
12/30/2022	13	127.59	68.23	75.41	12.94
12/30/2022	14	128.51	67.77	73.98	12.61
12/30/2022	15	130.57	66.99	71.17	12.26
12/30/2022	16	135.22	66.62	68.93	11.73
12/30/2022	17	144.83	66.02	65.03	11.88
12/30/2022	18	150.44	64.05	62.15	11.86

12/30/2022	19	148.25	62.47	61.47	11.58
12/30/2022	20	146.20	60.29	61.16	11.34
12/30/2022	21	143.19	58.48	65.83	11.02
12/30/2022	22	137.08	56.50	64.99	10.89
12/30/2022	23	127.73	54.34	63.55	10.72
12/30/2022	24	120.36	52.99	62.29	10.55
12/31/2022	1	111.21	52.02	62.72	10.46
12/31/2022	2	106.68	51.45	62.85	10.53
12/31/2022	3	104.55	51.47	62.99	10.56
12/31/2022	4	104.31	51.90	62.88	10.60
12/31/2022	5	106.34	53.01	62.29	10.60
12/31/2022	6	110.08	54.86	61.92	10.88
12/31/2022	7	116.94	56.70	62.63	11.08
12/31/2022	8	127.89	59.04	62.63	11.00
12/31/2022	9	139.62	60.27	63.62	10.76
12/31/2022	10	148.45	61.98	63.93	11.04
12/31/2022	11	152.79	62.55	64.31	11.19
12/31/2022	12	153.26	62.90	62.68	11.20
12/31/2022	13	153.26	62.83	62.00	11.28
12/31/2022	14	152.80	61.86	61.93	11.14
12/31/2022	15	152.85	61.21	63.19	10.96
12/31/2022	16	153.88	61.14	63.24	10.77
12/31/2022	17	158.49	61.84	63.27	11.10
12/31/2022	18	164.04	61.91	63.14	11.65
12/31/2022	19	158.18	60.54	63.35	11.55
12/31/2022	20	153.53	59.07	62.73	11.48
12/31/2022	21	148.80	57.82	61.92	11.50
12/31/2022	22	142.84	56.42	61.79	11.36
12/31/2022	23	135.64	54.79	60.74	10.91
12/31/2022	24	124.67	52.97	60.94	10.78
1/1/2023	1	121.19	52.56	60.84	10.86
1/1/2023	2	115.87	51.87	60.68	10.86
1/1/2023	3	111.54	51.96	60.14	10.82
1/1/2023	4	109.58	51.94	60.61	10.57
1/1/2023	5	109.37	52.46	61.38	10.80
1/1/2023	6	111.86	53.79	61.30	10.89
1/1/2023	7	116.63	55.23	60.93	11.10
1/1/2023	8	124.63	56.92	61.29	11.23
1/1/2023	9	134.03	57.63	60.64	10.92
1/1/2023	10	140.38	58.10	60.99	11.23
1/1/2023	11	145.41	58.36	61.18	11.17
1/1/2023	12	149.34	57.91	62.07	11.12
1/1/2023	13	150.31	57.47	62.55	11.17
1/1/2023	14	148.29	57.13	62.18	10.93
1/1/2023	15	146.02	56.72	61.48	10.91
1/1/2023	16	147.56	56.94	61.39	10.75
1/1/2023	17	153.85	57.97	61.58	11.07
1/1/2023	18	158.64	58.30	61.34	11.49
1/1/2023	19	155.96	57.26	61.44	11.46
1/1/2023	20	151.31	55.85	60.96	11.51
1/1/2023	21	144.79	55.14	60.75	11.32
1/1/2023	22	136.28	54.08	60.64	10.75

1/1/2023	23	125.37	52.62	60.72	10.63
1/1/2023	24	114.17	51.54	66.86	10.71
1/2/2023	1	108.30	50.95	60.59	10.64
1/2/2023	2	104.05	50.72	60.80	10.58
1/2/2023	3	101.87	50.87	61.78	10.76
1/2/2023	4	101.86	51.86	62.10	10.69
1/2/2023	5	104.47	53.67	64.14	10.84
1/2/2023	6	109.39	56.08	66.75	11.76
1/2/2023	7	115.17	58.33	70.88	12.37
1/2/2023	8	123.79	60.81	74.15	12.26
1/2/2023	9	133.81	61.99	75.52	12.17
1/2/2023	10	141.50	63.29	76.32	12.41
1/2/2023	11	145.61	63.77	77.04	12.44
1/2/2023	12	146.70	63.75	74.67	12.39
1/2/2023	13	143.60	63.56	72.87	12.28
1/2/2023	14	140.99	62.74	72.80	12.18
1/2/2023	15	139.68	62.47	72.13	11.93
1/2/2023	16	142.87	61.62	71.01	11.80
1/2/2023	17	153.54	61.69	68.71	11.93
1/2/2023	18	161.19	61.64	68.79	12.34
1/2/2023	19	157.46	59.67	72.44	11.97
1/2/2023	20	151.22	57.71	70.36	11.78
1/2/2023	21	144.56	55.87	77.17	11.29
1/2/2023	22	133.65	54.06	82.61	10.92
1/2/2023	23	120.95	52.44	83.46	10.75
1/2/2023	24	106.65	51.63	85.94	10.49
1/3/2023	1	103.90	50.97	83.35	10.56
1/3/2023	2	100.01	50.66	83.15	10.52
1/3/2023	3	98.01	50.86	82.03	10.65
1/3/2023	4	99.30	51.77	84.92	10.70
1/3/2023	5	103.52	54.13	88.75	11.15
1/3/2023	6	110.32	57.70	91.99	12.28
1/3/2023	7	115.66	62.76	99.74	13.07
1/3/2023	8	118.22	68.41	103.80	13.37
1/3/2023	9	119.94	70.79	105.12	13.55
1/3/2023	10	122.28	72.23	106.52	13.81
1/3/2023	11	123.42	72.93	106.81	13.73
1/3/2023	12	124.05	72.20	106.95	13.65
1/3/2023	13	122.16	72.70	109.15	13.44
1/3/2023	14	120.11	71.52	108.89	13.16
1/3/2023	15	121.19	70.63	106.10	12.70
1/3/2023	16	125.03	68.72	102.13	12.17
1/3/2023	17	135.25	65.87	97.72	12.09
1/3/2023	18	142.88	63.43	96.37	12.23
1/3/2023	19	139.20	60.99	96.34	12.07
1/3/2023	20	133.59	58.70	95.23	11.78
1/3/2023	21	126.15	57.30	94.97	11.35
1/3/2023	22	115.72	55.09	94.82	10.86
1/3/2023	23	104.46	52.74	93.34	10.28
1/3/2023	24	100.46	52.38	92.47	10.15
1/4/2023	1	88.71	50.52	90.76	10.08
1/4/2023	2	86.68	50.04	89.67	10.08

1/4/2023	3	86.96	50.32	89.02	10.14
1/4/2023	4	88.99	51.31	90.32	10.32
1/4/2023	5	94.60	53.72	93.59	10.93
1/4/2023	6	102.75	57.78	99.14	12.31
1/4/2023	7	109.88	62.63	105.36	13.20
1/4/2023	8	113.84	67.96	108.18	13.72
1/4/2023	9	116.31	70.36	108.00	13.85
1/4/2023	10	116.33	71.91	109.73	13.95
1/4/2023	11	115.97	72.67	112.05	13.95
1/4/2023	12	116.47	72.25	111.28	13.99
1/4/2023	13	117.16	72.45	111.39	13.90
1/4/2023	14	118.79	71.98	109.61	14.09
1/4/2023	15	123.85	71.47	104.55	13.42
1/4/2023	16	133.67	70.11	101.05	13.06
1/4/2023	17	148.02	68.02	98.04	12.80
1/4/2023	18	155.86	65.62	96.24	12.70
1/4/2023	19	154.12	63.66	95.56	12.51
1/4/2023	20	150.88	61.32	95.72	12.32
1/4/2023	21	145.99	59.33	98.52	11.69
1/4/2023	22	136.91	57.36	97.28	11.07
1/4/2023	23	125.99	55.26	95.57	10.66
1/4/2023	24	118.77	54.37	92.53	10.81
1/5/2023	1	111.20	53.41	90.81	10.46
1/5/2023	2	107.79	52.86	89.66	10.52
1/5/2023	3	106.78	52.99	88.52	10.59
1/5/2023	4	107.60	54.04	88.94	10.80
1/5/2023	5	111.98	56.20	92.01	11.41
1/5/2023	6	118.94	60.31	98.93	12.86
1/5/2023	7	124.97	65.22	103.41	13.77
1/5/2023	8	127.70	70.62	106.29	14.26
1/5/2023	9	130.47	73.73	106.95	14.11
1/5/2023	10	132.90	75.58	107.99	14.44
1/5/2023	11	135.63	76.44	108.49	14.69
1/5/2023	12	138.14	76.25	108.49	14.63
1/5/2023	13	137.39	76.06	110.08	14.39
1/5/2023	14	136.14	74.85	109.08	14.30
1/5/2023	15	138.67	73.33	105.20	13.84
1/5/2023	16	144.36	71.38	101.66	13.53
1/5/2023	17	156.80	69.49	96.79	13.32
1/5/2023	18	165.60	67.24	92.69	13.35
1/5/2023	19	163.39	64.84	90.80	13.10
1/5/2023	20	159.52	62.65	90.22	12.64
1/5/2023	21	154.51	60.43	90.88	11.94
1/5/2023	22	144.87	58.31	93.24	11.54
1/5/2023	23	132.61	56.03	92.02	10.99
1/5/2023	24	124.87	54.89	86.89	10.93
1/6/2023	1	116.94	53.89	92.75	10.71
1/6/2023	2	113.36	53.44	90.99	10.65
1/6/2023	3	111.82	53.60	89.31	10.71
1/6/2023	4	112.42	54.30	88.87	10.97
1/6/2023	5	115.84	56.64	91.53	11.53
1/6/2023	6	122.61	60.03	98.11	13.00

1/6/2023	7	129.20	64.93	101.08	14.01
1/6/2023	8	132.65	69.92	103.90	14.79
1/6/2023	9	135.89	72.74	104.08	14.70
1/6/2023	10	138.90	74.49	107.55	14.77
1/6/2023	11	141.17	75.52	108.03	15.00
1/6/2023	12	143.61	75.34	107.22	14.90
1/6/2023	13	143.96	75.06	107.28	14.79
1/6/2023	14	144.59	74.32	100.74	14.59
1/6/2023	15	146.09	73.09	91.50	14.02
1/6/2023	16	150.83	71.21	88.51	13.51
1/6/2023	17	159.37	69.64	88.47	13.05
1/6/2023	18	164.01	67.50	82.69	12.94
1/6/2023	19	161.68	65.09	81.80	12.49
1/6/2023	20	157.90	62.88	80.40	12.33
1/6/2023	21	154.11	61.05	79.76	12.03
1/6/2023	22	147.05	58.81	78.02	11.36
1/6/2023	23	137.92	56.49	74.87	11.03
1/6/2023	24	128.93	54.86	72.60	10.95
1/7/2023	1	123.09	54.14	73.31	10.78
1/7/2023	2	118.61	53.44	72.93	10.78
1/7/2023	3	116.36	53.27	73.10	10.82
1/7/2023	4	115.94	53.82	72.88	10.83
1/7/2023	5	117.30	55.00	73.90	10.94
1/7/2023	6	121.15	57.20	74.43	11.07
1/7/2023	7	127.50	59.53	75.65	11.45
1/7/2023	8	136.15	62.18	76.17	11.64
1/7/2023	9	145.79	63.69	77.11	11.65
1/7/2023	10	151.62	65.58	77.70	11.86
1/7/2023	11	154.77	66.34	78.46	11.90
1/7/2023	12	155.06	66.42	77.01	11.67
1/7/2023	13	152.23	65.49	76.95	11.57
1/7/2023	14	148.20	64.04	76.91	11.62
1/7/2023	15	145.87	63.17	78.52	11.41
1/7/2023	16	148.86	62.89	76.76	11.20
1/7/2023	17	156.90	63.47	74.32	11.33
1/7/2023	18	162.46	63.99	74.77	11.66
1/7/2023	19	160.22	62.95	74.24	11.81
1/7/2023	20	156.45	61.12	73.88	11.66
1/7/2023	21	151.80	59.53	72.99	11.45
1/7/2023	22	144.96	57.63	72.90	11.05
1/7/2023	23	135.99	55.52	69.54	10.92
1/7/2023	24	126.28	54.29	72.78	10.90
1/8/2023	1	120.32	53.54	67.85	10.82
1/8/2023	2	116.30	53.00	67.57	10.79
1/8/2023	3	114.06	53.08	68.35	10.71
1/8/2023	4	113.72	53.52	70.79	10.63
1/8/2023	5	115.13	54.53	72.10	10.76
1/8/2023	6	119.16	56.21	72.10	11.00
1/8/2023	7	126.50	58.47	70.42	11.33
1/8/2023	8	137.32	60.47	72.05	11.14
1/8/2023	9	147.15	61.82	72.08	11.32
1/8/2023	10	152.23	63.20	72.25	11.49

1/8/2023	11	154.63	63.60	72.75	11.40
1/8/2023	12	156.54	63.08	74.69	11.44
1/8/2023	13	154.25	61.90	73.10	11.50
1/8/2023	14	150.69	60.95	72.72	11.30
1/8/2023	15	151.33	60.57	72.03	11.21
1/8/2023	16	157.00	60.70	71.69	11.33
1/8/2023	17	167.70	61.88	71.26	11.78
1/8/2023	18	175.25	62.44	71.54	12.35
1/8/2023	19	173.24	61.05	74.62	12.07
1/8/2023	20	168.75	59.70	72.86	11.63
1/8/2023	21	159.19	58.14	79.83	11.40
1/8/2023	22	146.85	56.40	85.20	11.10
1/8/2023	23	133.62	54.97	84.70	10.91
1/8/2023	24	121.46	54.17	88.76	10.71
1/9/2023	1	117.73	53.73	86.23	10.81
1/9/2023	2	115.20	53.47	87.88	10.88
1/9/2023	3	115.11	54.02	88.07	11.07
1/9/2023	4	117.27	55.28	87.75	11.43
1/9/2023	5	123.53	57.86	93.30	12.16
1/9/2023	6	136.03	61.98	99.82	14.22
1/9/2023	7	142.72	67.26	105.51	17.02
1/9/2023	8	139.01	73.51	110.21	19.21
1/9/2023	9	138.10	75.78	111.81	19.33
1/9/2023	10	134.34	76.63	113.01	19.22
1/9/2023	11	130.75	76.54	112.01	18.99
1/9/2023	12	127.85	76.16	113.17	18.55
1/9/2023	13	124.08	74.75	113.62	17.83
1/9/2023	14	120.00	73.47	113.68	17.12
1/9/2023	15	119.58	71.77	108.40	16.00
1/9/2023	16	126.95	68.98	104.33	14.79
1/9/2023	17	143.94	66.14	101.09	14.03
1/9/2023	18	159.50	65.39	99.17	14.02
1/9/2023	19	159.44	63.10	100.01	13.68
1/9/2023	20	156.02	60.91	98.37	12.95
1/9/2023	21	149.73	59.21	97.45	12.12
1/9/2023	22	138.45	57.18	98.24	11.36
1/9/2023	23	125.53	55.15	95.53	10.71
1/9/2023	24	115.94	53.77	95.82	10.58
1/10/2023	1	110.87	53.10	96.31	10.47
1/10/2023	2	108.07	53.00	95.75	10.46
1/10/2023	3	107.72	53.26	95.78	10.45
1/10/2023	4	109.04	54.10	95.12	10.56
1/10/2023	5	114.66	56.61	100.56	11.47
1/10/2023	6	125.54	60.97	106.23	13.70
1/10/2023	7	132.58	66.43	111.35	16.43
1/10/2023	8	129.01	72.48	113.16	18.40
1/10/2023	9	128.41	75.28	108.07	18.64
1/10/2023	10	127.43	76.27	87.63	18.57
1/10/2023	11	125.76	76.89	85.61	18.30
1/10/2023	12	121.87	75.71	86.53	18.02
1/10/2023	13	117.65	75.22	95.23	17.29
1/10/2023	14	113.70	73.56	113.53	16.68

1/10/2023	15	113.50	71.86	110.10	15.53
1/10/2023	16	120.43	68.83	104.51	14.15
1/10/2023	17	136.15	66.44	100.34	13.46
1/10/2023	18	151.72	65.55	98.91	13.61
1/10/2023	19	153.58	63.30	98.06	13.31
1/10/2023	20	151.10	61.19	97.07	12.79
1/10/2023	21	146.22	59.14	97.08	12.00
1/10/2023	22	136.57	56.64	96.34	11.23
1/10/2023	23	124.06	54.95	95.74	10.78
1/10/2023	24	110.98	53.34	94.56	10.41
1/11/2023	1	110.05	52.92	84.65	10.45
1/11/2023	2	107.57	52.82	93.06	10.51
1/11/2023	3	106.83	53.20	94.30	10.47
1/11/2023	4	108.20	54.05	95.10	10.60
1/11/2023	5	113.01	56.60	100.19	11.27
1/11/2023	6	123.46	60.75	104.72	13.53
1/11/2023	7	130.47	66.40	109.67	15.94
1/11/2023	8	127.66	72.78	110.89	18.06
1/11/2023	9	125.56	74.69	108.38	18.45
1/11/2023	10	122.96	75.54	109.11	18.32
1/11/2023	11	121.29	75.97	109.14	18.18
1/11/2023	12	118.07	74.97	110.80	17.77
1/11/2023	13	112.16	74.16	111.30	16.89
1/11/2023	14	107.92	72.88	108.38	16.38
1/11/2023	15	111.56	71.49	106.06	15.45
1/11/2023	16	121.42	69.49	101.57	14.26
1/11/2023	17	134.63	67.30	98.56	13.62
1/11/2023	18	142.73	65.16	96.25	13.36
1/11/2023	19	142.33	62.60	96.46	12.93
1/11/2023	20	139.01	60.30	96.60	12.56
1/11/2023	21	133.06	57.80	97.04	11.69
1/11/2023	22	121.93	55.12	95.84	10.88
1/11/2023	23	109.50	52.93	94.61	10.28
1/11/2023	24	104.58	52.35	95.00	10.10
1/12/2023	1	95.33	51.03	95.29	9.79
1/12/2023	2	93.01	50.41	93.99	9.74
1/12/2023	3	92.88	50.84	93.61	9.80
1/12/2023	4	95.99	52.08	94.35	9.96
1/12/2023	5	101.89	54.73	99.08	10.83
1/12/2023	6	113.64	59.08	104.59	12.94
1/12/2023	7	121.80	64.45	107.49	15.67
1/12/2023	8	119.97	70.84	109.01	18.02
1/12/2023	9	120.36	73.69	108.98	18.24
1/12/2023	10	121.42	75.30	109.47	18.42
1/12/2023	11	122.29	76.22	110.68	18.33
1/12/2023	12	124.16	76.20	109.66	17.87
1/12/2023	13	124.82	76.35	111.86	17.54
1/12/2023	14	125.30	75.44	110.05	16.97
1/12/2023	15	127.58	74.15	107.12	15.95
1/12/2023	16	136.07	71.67	103.24	14.86
1/12/2023	17	148.39	69.67	99.73	14.23
1/12/2023	18	157.59	68.28	97.79	14.04

1/12/2023	19	156.98	65.61	98.39	13.57
1/12/2023	20	154.04	62.97	98.04	12.96
1/12/2023	21	148.82	60.38	97.33	12.29
1/12/2023	22	138.49	57.53	97.26	11.48
1/12/2023	23	126.41	55.83	95.82	10.91
1/12/2023	24	120.22	54.68	92.30	10.78
1/13/2023	1	111.39	53.32	93.15	10.50
1/13/2023	2	109.34	53.07	93.28	10.55
1/13/2023	3	109.01	53.10	90.76	10.58
1/13/2023	4	111.07	53.54	89.52	10.79
1/13/2023	5	116.70	55.87	93.65	11.70
1/13/2023	6	128.97	60.57	97.96	13.95
1/13/2023	7	138.10	66.51	101.88	16.43
1/13/2023	8	137.70	72.10	104.34	18.35
1/13/2023	9	138.84	75.02	106.22	18.73
1/13/2023	10	140.24	76.40	107.19	18.98
1/13/2023	11	140.34	77.47	104.17	18.94
1/13/2023	12	140.44	76.65	105.67	18.42
1/13/2023	13	139.55	76.01	106.42	18.04
1/13/2023	14	138.98	75.16	103.77	17.40
1/13/2023	15	140.48	73.97	100.75	16.19
1/13/2023	16	148.05	71.68	96.98	14.88
1/13/2023	17	157.42	69.84	94.78	14.25
1/13/2023	18	164.03	68.04	92.97	13.93
1/13/2023	19	162.29	66.36	91.44	13.50
1/13/2023	20	160.16	64.33	90.69	13.05
1/13/2023	21	156.83	62.49	92.21	12.52
1/13/2023	22	150.30	60.11	90.45	11.89
1/13/2023	23	140.44	57.81	86.21	11.52
1/13/2023	24	131.99	56.04	80.79	11.16
1/14/2023	1	124.79	55.03	83.02	10.96
1/14/2023	2	120.99	54.37	85.17	10.98
1/14/2023	3	118.88	54.32	86.85	10.87
1/14/2023	4	118.81	54.67	86.41	10.86
1/14/2023	5	120.88	55.78	86.51	10.98
1/14/2023	6	125.49	57.99	87.10	11.40
1/14/2023	7	132.38	60.47	88.03	11.62
1/14/2023	8	143.09	62.91	86.61	11.86
1/14/2023	9	152.15	64.09	86.92	11.92
1/14/2023	10	156.25	65.98	87.07	12.22
1/14/2023	11	156.95	66.60	83.38	12.24
1/14/2023	12	156.16	65.85	74.55	12.18
1/14/2023	13	153.40	65.43	73.34	12.17
1/14/2023	14	151.65	64.42	72.54	12.09
1/14/2023	15	150.72	63.73	70.87	11.68
1/14/2023	16	152.51	63.37	70.34	11.61
1/14/2023	17	158.48	64.02	69.35	11.48
1/14/2023	18	165.10	65.01	67.92	11.93
1/14/2023	19	164.03	64.11	68.16	11.94
1/14/2023	20	161.08	62.80	68.09	11.71
1/14/2023	21	157.19	61.25	67.51	11.52
1/14/2023	22	150.94	59.34	67.78	11.36

1/14/2023	23	142.38	57.55	67.00	11.30
1/14/2023	24	132.18	55.89	70.41	11.11
1/15/2023	1	128.97	55.65	67.59	11.21
1/15/2023	2	125.29	55.11	67.98	11.31
1/15/2023	3	123.40	55.20	67.64	11.06
1/15/2023	4	123.27	55.40	67.80	11.21
1/15/2023	5	125.48	56.50	67.82	11.30
1/15/2023	6	129.67	58.10	67.89	11.54
1/15/2023	7	137.69	60.43	68.27	11.71
1/15/2023	8	149.00	61.51	68.29	11.68
1/15/2023	9	157.55	62.37	68.36	11.70
1/15/2023	10	159.18	63.21	68.57	11.63
1/15/2023	11	159.21	63.72	68.63	11.52
1/15/2023	12	159.76	63.10	68.63	11.51
1/15/2023	13	156.23	61.87	69.14	11.67
1/15/2023	14	150.10	60.83	68.97	11.45
1/15/2023	15	147.16	60.21	67.50	11.44
1/15/2023	16	149.62	60.14	67.03	11.31
1/15/2023	17	159.18	60.75	67.48	11.30
1/15/2023	18	169.84	62.35	66.96	11.99
1/15/2023	19	169.48	61.69	71.06	12.12
1/15/2023	20	164.80	60.36	68.31	11.86
1/15/2023	21	157.29	58.89	74.00	11.60
1/15/2023	22	146.06	57.14	77.69	11.38
1/15/2023	23	134.20	55.43	80.46	11.28
1/15/2023	24	120.26	54.22	84.38	10.99
1/16/2023	1	117.25	53.76	82.96	11.14
1/16/2023	2	113.31	53.40	81.84	10.90
1/16/2023	3	112.17	53.72	83.83	10.99
1/16/2023	4	112.97	54.69	83.99	11.28
1/16/2023	5	116.85	57.13	86.94	11.84
1/16/2023	6	123.79	60.68	93.48	13.50
1/16/2023	7	128.52	65.76	99.78	15.11
1/16/2023	8	131.22	70.78	102.79	15.84
1/16/2023	9	136.44	72.95	105.91	15.74
1/16/2023	10	140.69	72.83	107.21	15.99
1/16/2023	11	144.07	73.38	107.51	15.94
1/16/2023	12	146.49	73.13	107.51	15.96
1/16/2023	13	145.54	73.93	108.31	15.59
1/16/2023	14	144.94	73.31	105.64	15.32
1/16/2023	15	145.91	72.37	104.51	14.63
1/16/2023	16	151.71	69.88	99.14	13.96
1/16/2023	17	160.33	67.03	95.27	13.54
1/16/2023	18	166.15	65.40	94.28	13.52
1/16/2023	19	162.18	63.05	94.05	13.30
1/16/2023	20	155.78	60.65	91.16	12.67
1/16/2023	21	147.18	58.61	93.05	11.72
1/16/2023	22	133.92	56.37	95.50	11.07
1/16/2023	23	119.05	54.23	93.44	10.60
1/16/2023	24	109.05	53.05	94.06	10.41
1/17/2023	1	100.59	51.64	92.59	10.15
1/17/2023	2	96.74	51.09	91.96	10.25

1/17/2023	3	95.67	51.53	91.25	10.29
1/17/2023	4	97.73	52.64	91.82	10.44
1/17/2023	5	103.68	55.23	96.99	11.35
1/17/2023	6	115.31	59.02	102.01	13.59
1/17/2023	7	122.81	64.11	108.03	16.03
1/17/2023	8	119.43	70.01	110.45	17.93
1/17/2023	9	118.94	73.29	113.23	18.33
1/17/2023	10	119.95	75.07	114.85	18.61
1/17/2023	11	121.75	75.79	114.43	18.41
1/17/2023	12	124.56	75.51	114.46	18.14
1/17/2023	13	125.30	75.50	117.40	17.86
1/17/2023	14	125.87	75.06	115.84	17.41
1/17/2023	15	128.37	73.92	113.14	16.49
1/17/2023	16	137.37	71.31	108.83	15.07
1/17/2023	17	150.41	68.53	105.42	14.42
1/17/2023	18	158.64	66.34	104.15	14.24
1/17/2023	19	157.05	63.90	103.42	13.81
1/17/2023	20	152.86	61.47	102.83	13.06
1/17/2023	21	146.58	59.66	102.86	12.24
1/17/2023	22	136.00	57.28	103.03	11.33
1/17/2023	23	123.58	55.48	101.51	10.76
1/17/2023	24	114.20	54.57	101.16	10.64
1/18/2023	1	108.48	53.46	100.79	10.50
1/18/2023	2	105.53	52.97	100.51	10.40
1/18/2023	3	104.69	53.06	100.17	10.51
1/18/2023	4	106.15	54.13	101.22	10.73
1/18/2023	5	111.62	56.76	105.28	11.45
1/18/2023	6	122.62	61.02	109.32	13.75
1/18/2023	7	129.43	66.27	115.42	16.32
1/18/2023	8	126.60	71.68	117.34	18.34
1/18/2023	9	124.91	74.06	119.28	18.61
1/18/2023	10	124.41	75.55	119.72	18.61
1/18/2023	11	124.23	76.00	118.90	18.48
1/18/2023	12	123.45	75.58	118.94	18.12
1/18/2023	13	122.37	75.14	118.28	17.56
1/18/2023	14	121.62	74.24	116.92	16.95
1/18/2023	15	123.73	72.94	112.25	16.04
1/18/2023	16	132.01	70.97	108.81	14.85
1/18/2023	17	144.09	68.59	104.90	14.14
1/18/2023	18	152.47	66.71	104.14	13.94
1/18/2023	19	152.90	64.43	101.88	13.54
1/18/2023	20	150.30	62.18	101.67	12.97
1/18/2023	21	145.61	60.15	101.63	12.26
1/18/2023	22	135.24	57.80	101.71	11.54
1/18/2023	23	123.99	55.87	100.70	10.89
1/18/2023	24	115.88	55.00	98.61	10.93
1/19/2023	1	111.83	54.19	99.44	11.01
1/19/2023	2	109.45	53.86	98.98	10.78
1/19/2023	3	108.46	53.94	99.26	10.81
1/19/2023	4	108.73	54.54	99.45	10.78
1/19/2023	5	112.73	56.79	103.57	11.50
1/19/2023	6	122.53	60.75	110.32	13.61

1/19/2023	7	128.74	66.18	114.87	16.21
1/19/2023	8	124.75	72.05	117.34	18.05
1/19/2023	9	122.72	74.58	119.02	18.40
1/19/2023	10	122.12	76.16	120.56	18.54
1/19/2023	11	122.81	77.25	118.82	18.16
1/19/2023	12	123.67	75.66	118.11	17.84
1/19/2023	13	123.55	75.29	120.21	17.15
1/19/2023	14	122.82	74.67	117.81	16.71
1/19/2023	15	124.06	73.22	112.29	15.84
1/19/2023	16	129.68	70.58	109.59	14.72
1/19/2023	17	141.60	68.87	106.14	14.27
1/19/2023	18	151.19	67.58	103.31	14.36
1/19/2023	19	151.71	65.42	102.36	13.80
1/19/2023	20	148.31	62.91	101.71	13.01
1/19/2023	21	145.21	60.74	99.99	12.28
1/19/2023	22	136.32	57.97	98.24	11.46
1/19/2023	23	124.72	56.13	98.56	11.03
1/19/2023	24	119.06	55.27	95.78	10.93
1/20/2023	1	111.33	54.23	98.14	10.73
1/20/2023	2	109.27	53.85	97.81	10.82
1/20/2023	3	108.32	54.03	97.50	10.77
1/20/2023	4	110.38	54.99	97.08	10.94
1/20/2023	5	116.09	57.45	100.81	11.68
1/20/2023	6	126.93	61.61	107.24	13.74
1/20/2023	7	134.94	66.82	112.14	16.15
1/20/2023	8	134.42	72.61	114.82	17.93
1/20/2023	9	135.55	75.07	115.60	18.30
1/20/2023	10	136.68	76.79	116.26	18.38
1/20/2023	11	137.90	77.36	115.16	18.30
1/20/2023	12	139.50	77.07	114.61	17.89
1/20/2023	13	139.62	76.88	114.30	17.43
1/20/2023	14	140.15	75.65	110.38	17.04
1/20/2023	15	141.96	73.92	107.20	16.02
1/20/2023	16	148.15	72.07	105.82	14.79
1/20/2023	17	157.02	69.60	101.45	14.14
1/20/2023	18	161.42	68.08	101.29	13.90
1/20/2023	19	159.14	65.59	95.24	13.49
1/20/2023	20	155.31	63.67	87.65	13.01
1/20/2023	21	151.80	61.90	89.41	12.43
1/20/2023	22	145.13	59.55	88.74	11.52
1/20/2023	23	135.81	57.22	85.32	11.12
1/20/2023	24	126.91	55.29	80.73	11.02
1/21/2023	1	120.56	54.37	81.69	10.83
1/21/2023	2	116.48	53.66	82.65	10.86
1/21/2023	3	114.71	53.64	81.19	10.85
1/21/2023	4	114.55	53.95	83.13	10.83
1/21/2023	5	116.33	55.37	84.73	10.94
1/21/2023	6	120.43	57.58	86.04	11.23
1/21/2023	7	127.74	59.90	85.53	11.70
1/21/2023	8	138.38	62.51	84.32	12.10
1/21/2023	9	148.00	64.26	83.11	12.18
1/21/2023	10	153.90	65.57	82.90	12.42

1/21/2023	11	156.79	66.60	83.01	12.55
1/21/2023	12	157.34	66.02	79.83	12.47
1/21/2023	13	156.11	65.87	81.46	12.56
1/21/2023	14	155.64	64.58	81.75	12.37
1/21/2023	15	155.35	63.96	82.32	12.25
1/21/2023	16	157.12	63.76	80.34	11.84
1/21/2023	17	161.05	63.86	79.13	11.69
1/21/2023	18	165.12	64.48	78.51	12.26
1/21/2023	19	162.82	63.65	78.11	11.96
1/21/2023	20	158.90	62.33	74.18	11.76
1/21/2023	21	152.78	60.23	75.48	11.50
1/21/2023	22	145.78	58.19	75.61	11.32
1/21/2023	23	136.32	56.19	73.75	11.12
1/21/2023	24	125.85	54.70	76.89	10.93
1/22/2023	1	121.03	54.03	73.96	11.15
1/22/2023	2	116.61	53.39	74.28	11.09
1/22/2023	3	114.54	53.24	74.57	10.97
1/22/2023	4	113.99	53.56	74.83	10.90
1/22/2023	5	115.79	54.49	76.45	10.85
1/22/2023	6	119.01	55.92	74.59	10.99
1/22/2023	7	126.39	58.26	75.66	11.46
1/22/2023	8	137.98	60.08	75.84	11.33
1/22/2023	9	148.19	61.10	76.01	11.31
1/22/2023	10	153.24	62.37	76.48	11.63
1/22/2023	11	155.53	63.01	76.03	11.68
1/22/2023	12	157.89	62.63	74.97	11.77
1/22/2023	13	157.62	61.91	75.14	11.87
1/22/2023	14	156.02	60.86	74.99	12.02
1/22/2023	15	155.58	60.26	74.53	11.72
1/22/2023	16	158.42	60.23	73.80	11.50
1/22/2023	17	165.13	60.76	73.85	11.43
1/22/2023	18	172.98	61.93	74.28	11.94
1/22/2023	19	171.82	61.38	77.42	12.10
1/22/2023	20	166.26	59.80	75.26	11.87
1/22/2023	21	156.93	58.28	81.85	11.65
1/22/2023	22	144.95	56.52	86.87	11.36
1/22/2023	23	130.75	55.15	88.62	11.00
1/22/2023	24	122.99	55.10	92.29	11.06
1/23/2023	1	115.31	53.70	90.58	11.07
1/23/2023	2	112.58	53.56	90.06	11.19
1/23/2023	3	112.35	53.82	90.68	11.28
1/23/2023	4	114.49	55.10	92.61	11.53
1/23/2023	5	120.94	57.67	96.81	12.38
1/23/2023	6	133.25	61.98	103.34	14.45
1/23/2023	7	141.03	67.73	110.63	17.06
1/23/2023	8	138.85	73.97	116.97	19.10
1/23/2023	9	139.62	76.80	117.61	19.47
1/23/2023	10	140.32	77.95	117.91	19.70
1/23/2023	11	141.35	78.54	117.80	19.63
1/23/2023	12	142.74	77.90	117.55	19.52
1/23/2023	13	140.92	77.52	118.14	18.80
1/23/2023	14	137.74	76.32	117.32	18.15

1/23/2023	15	137.94	74.79	113.66	16.99
1/23/2023	16	145.51	72.34	110.09	15.73
1/23/2023	17	157.65	69.56	103.70	14.84
1/23/2023	18	170.61	68.80	97.18	14.85
1/23/2023	19	172.88	66.70	100.93	14.64
1/23/2023	20	169.60	64.72	99.83	13.90
1/23/2023	21	163.63	62.84	101.65	13.10
1/23/2023	22	151.91	60.43	103.15	12.22
1/23/2023	23	138.42	58.39	102.27	11.69
1/23/2023	24	127.25	56.63	100.24	11.32
1/24/2023	1	122.97	56.25	99.46	11.17
1/24/2023	2	119.68	55.72	98.47	11.16
1/24/2023	3	118.04	55.79	98.48	11.19
1/24/2023	4	118.84	56.46	99.03	11.29
1/24/2023	5	123.41	59.07	103.22	12.34
1/24/2023	6	134.37	63.05	108.61	14.75
1/24/2023	7	140.81	68.20	114.21	17.35
1/24/2023	8	137.34	73.96	114.38	19.16
1/24/2023	9	135.86	76.59	114.55	19.43
1/24/2023	10	135.58	78.21	117.50	19.51
1/24/2023	11	135.24	78.68	118.17	19.29
1/24/2023	12	134.57	78.19	117.67	18.93
1/24/2023	13	133.43	78.09	117.92	18.44
1/24/2023	14	133.39	77.14	118.68	17.86
1/24/2023	15	134.76	75.72	115.26	16.74
1/24/2023	16	143.33	72.95	109.87	15.26
1/24/2023	17	156.54	69.70	107.50	14.59
1/24/2023	18	166.50	68.33	105.82	14.62
1/24/2023	19	166.70	66.21	104.58	14.21
1/24/2023	20	163.26	64.06	103.79	13.55
1/24/2023	21	156.46	61.75	102.18	12.66
1/24/2023	22	145.27	59.31	103.04	11.74
1/24/2023	23	132.43	57.27	102.57	11.30
1/24/2023	24	122.71	55.99	100.96	11.02
1/25/2023	1	117.54	55.08	101.00	10.96
1/25/2023	2	114.94	54.59	99.96	10.90
1/25/2023	3	114.40	55.07	99.77	10.99
1/25/2023	4	115.67	56.11	98.97	11.18
1/25/2023	5	121.10	58.65	103.63	12.09
1/25/2023	6	131.56	62.97	108.60	14.39
1/25/2023	7	138.26	68.21	112.34	16.57
1/25/2023	8	136.06	73.55	116.18	18.17
1/25/2023	9	135.21	75.77	116.06	18.45
1/25/2023	10	134.52	77.33	117.24	18.57
1/25/2023	11	135.37	77.77	116.95	18.40
1/25/2023	12	136.84	76.81	116.13	18.18
1/25/2023	13	136.59	76.25	116.40	17.67
1/25/2023	14	136.15	75.50	116.27	17.20
1/25/2023	15	138.50	74.29	113.46	16.15
1/25/2023	16	145.89	71.89	108.65	15.03
1/25/2023	17	157.24	69.11	106.33	14.35
1/25/2023	18	167.12	68.58	104.48	14.34

1/25/2023	19	167.25	66.54	103.27	13.97
1/25/2023	20	162.84	63.92	103.08	13.39
1/25/2023	21	155.98	61.66	103.72	12.42
1/25/2023	22	144.03	59.16	103.34	11.67
1/25/2023	23	130.82	57.04	100.77	11.21
1/25/2023	24	124.46	56.70	99.85	11.10
1/26/2023	1	115.87	55.17	99.70	10.88
1/26/2023	2	113.50	54.86	98.70	10.78
1/26/2023	3	112.45	55.06	99.20	10.86
1/26/2023	4	114.19	55.94	99.64	10.95
1/26/2023	5	119.71	58.58	103.43	12.13
1/26/2023	6	130.36	62.42	108.38	14.18
1/26/2023	7	138.09	68.17	113.99	16.51
1/26/2023	8	135.35	73.12	117.26	18.09
1/26/2023	9	134.49	75.23	117.24	18.39
1/26/2023	10	133.77	77.31	117.23	18.60
1/26/2023	11	134.49	78.17	116.88	18.55
1/26/2023	12	135.96	78.24	115.47	18.40
1/26/2023	13	135.94	78.22	117.74	18.02
1/26/2023	14	136.15	77.36	115.43	17.50
1/26/2023	15	139.28	76.52	112.48	16.49
1/26/2023	16	147.78	74.68	107.73	15.45
1/26/2023	17	160.72	71.89	105.04	14.95
1/26/2023	18	172.59	70.79	103.69	14.87
1/26/2023	19	174.55	68.87	102.57	14.47
1/26/2023	20	172.22	66.43	103.09	14.10
1/26/2023	21	167.47	64.35	102.34	13.23
1/26/2023	22	157.12	62.07	101.94	12.43
1/26/2023	23	144.41	60.04	99.20	11.82
1/26/2023	24	135.70	58.53	93.03	11.48
1/27/2023	1	130.87	57.80	98.23	11.47
1/27/2023	2	128.62	57.39	94.85	11.39
1/27/2023	3	128.39	57.67	94.35	11.47
1/27/2023	4	131.00	58.88	95.64	11.82
1/27/2023	5	137.49	61.49	96.06	12.91
1/27/2023	6	150.56	65.82	100.63	14.96
1/27/2023	7	160.23	71.06	105.15	17.33
1/27/2023	8	159.74	75.17	106.92	18.81
1/27/2023	9	158.71	77.83	106.97	18.93
1/27/2023	10	157.58	79.54	108.47	19.27
1/27/2023	11	156.96	80.02	106.69	19.31
1/27/2023	12	156.49	79.28	105.91	18.84
1/27/2023	13	155.74	78.78	106.26	18.32
1/27/2023	14	154.85	77.87	104.99	17.70
1/27/2023	15	156.32	76.28	102.99	16.58
1/27/2023	16	160.72	73.77	99.22	15.06
1/27/2023	17	167.40	70.59	94.99	14.28
1/27/2023	18	171.66	69.31	92.98	14.15
1/27/2023	19	167.22	67.59	89.62	13.72
1/27/2023	20	163.61	65.33	81.48	13.19
1/27/2023	21	158.16	63.66	79.08	12.63
1/27/2023	22	151.78	61.55	77.32	12.01

1/27/2023	23	144.04	59.62	77.58	11.62
1/27/2023	24	135.41	57.85	74.32	11.47
1/28/2023	1	131.04	57.42	74.76	11.50
1/28/2023	2	127.85	56.72	73.81	11.45
1/28/2023	3	125.85	56.67	73.28	11.24
1/28/2023	4	125.68	56.99	74.29	11.26
1/28/2023	5	127.23	58.36	75.25	11.51
1/28/2023	6	131.17	60.44	75.29	11.63
1/28/2023	7	138.97	62.81	75.06	12.03
1/28/2023	8	150.48	64.51	75.27	12.03
1/28/2023	9	158.20	65.73	76.86	12.34
1/28/2023	10	161.46	67.35	77.36	12.83
1/28/2023	11	162.00	68.18	76.81	12.96
1/28/2023	12	162.03	67.72	76.40	12.62
1/28/2023	13	159.32	66.70	76.20	12.55
1/28/2023	14	158.14	65.49	75.74	12.30
1/28/2023	15	156.29	65.05	75.25	12.12
1/28/2023	16	157.20	64.44	75.33	11.77
1/28/2023	17	162.91	64.20	74.35	11.66
1/28/2023	18	170.42	65.59	74.17	12.00
1/28/2023	19	169.82	65.51	74.35	12.17
1/28/2023	20	164.75	64.06	73.97	12.19
1/28/2023	21	159.20	62.36	74.14	12.00
1/28/2023	22	151.73	60.33	73.20	11.66
1/28/2023	23	141.64	58.08	71.59	11.33
1/28/2023	24	131.29	56.48	73.82	11.39
1/29/2023	1	125.84	55.86	70.01	11.27
1/29/2023	2	122.07	55.34	70.08	11.38
1/29/2023	3	120.10	55.29	70.30	11.37
1/29/2023	4	119.21	55.56	70.88	11.32
1/29/2023	5	120.93	56.46	70.73	11.31
1/29/2023	6	125.30	58.15	70.72	11.49
1/29/2023	7	132.97	59.96	71.33	11.66
1/29/2023	8	145.85	61.31	71.71	11.55
1/29/2023	9	156.91	63.00	72.58	11.45
1/29/2023	10	161.25	64.19	72.91	11.82
1/29/2023	11	163.45	64.78	72.74	11.90
1/29/2023	12	163.38	64.23	72.93	11.92
1/29/2023	13	161.47	63.42	72.77	11.96
1/29/2023	14	158.11	62.42	73.21	11.68
1/29/2023	15	159.60	62.18	72.00	11.60
1/29/2023	16	165.19	62.11	71.18	11.55
1/29/2023	17	173.17	62.61	70.81	11.78
1/29/2023	18	180.56	64.07	70.89	12.19
1/29/2023	19	179.75	63.13	74.03	12.26
1/29/2023	20	174.05	61.88	72.16	11.88
1/29/2023	21	164.99	60.60	76.12	11.77
1/29/2023	22	152.07	58.58	83.75	11.66
1/29/2023	23	138.62	56.98	85.75	11.52
1/29/2023	24	133.08	57.40	89.91	11.81
1/30/2023	1	123.21	55.71	87.81	11.39
1/30/2023	2	120.80	55.53	86.35	11.47

1/30/2023	3	120.26	55.71	88.33	11.62
1/30/2023	4	122.77	57.28	89.72	11.84
1/30/2023	5	129.95	60.38	94.17	12.85
1/30/2023	6	143.44	64.63	100.10	14.83
1/30/2023	7	152.11	70.69	108.72	17.39
1/30/2023	8	149.23	76.14	114.20	19.18
1/30/2023	9	149.46	78.92	114.59	19.78
1/30/2023	10	150.12	80.11	116.85	20.23
1/30/2023	11	150.82	80.84	115.99	20.04
1/30/2023	12	152.67	80.95	115.62	19.80
1/30/2023	13	152.99	80.76	117.55	19.24
1/30/2023	14	152.75	80.09	117.38	18.79
1/30/2023	15	155.72	78.86	113.36	17.59
1/30/2023	16	164.95	76.53	110.06	16.37
1/30/2023	17	178.62	72.91	104.52	15.54
1/30/2023	18	190.21	72.21	102.83	15.28
1/30/2023	19	191.66	70.80	103.65	15.03
1/30/2023	20	188.20	69.23	102.80	14.48
1/30/2023	21	182.37	67.00	101.72	13.89
1/30/2023	22	169.93	64.53	102.32	13.18
1/30/2023	23	156.59	62.53	100.54	12.41
1/30/2023	24	149.07	61.53	99.55	12.37
1/31/2023	1	142.40	60.62	99.35	12.24
1/31/2023	2	138.98	60.01	98.95	12.14
1/31/2023	3	135.04	59.09	97.38	12.11
1/31/2023	4	134.57	59.58	97.51	12.18
1/31/2023	5	139.74	62.08	101.64	13.05
1/31/2023	6	150.52	66.21	107.59	15.06
1/31/2023	7	158.23	71.48	112.60	17.56
1/31/2023	8	158.89	76.86	115.45	19.48
1/31/2023	9	159.90	80.84	115.48	19.87
1/31/2023	10	155.43	81.84	116.89	19.99
1/31/2023	11	154.17	82.64	116.31	19.97
1/31/2023	12	153.32	82.09	117.45	19.65
1/31/2023	13	151.24	81.55	120.00	19.14
1/31/2023	14	148.03	80.15	115.48	18.63
1/31/2023	15	148.74	78.49	112.69	17.31
1/31/2023	16	155.30	76.05	108.37	15.92
1/31/2023	17	169.22	72.95	98.97	15.15
1/31/2023	18	185.20	71.87	99.07	15.26
1/31/2023	19	190.53	70.47	101.90	14.94
1/31/2023	20	188.80	68.90	103.19	14.45
1/31/2023	21	184.43	66.98	102.77	13.82
1/31/2023	22	173.94	65.24	101.53	13.15
1/31/2023	23	162.05	63.11	100.76	12.51
1/31/2023	24	151.48	61.50	100.33	12.23
2/1/2023	1	149.28	61.10	99.92	12.38
2/1/2023	2	146.85	60.68	100.85	12.25
2/1/2023	3	146.48	60.88	101.87	12.39
2/1/2023	4	148.66	61.92	100.20	12.74
2/1/2023	5	154.87	64.90	101.44	13.58
2/1/2023	6	167.10	69.44	105.87	15.67

2/1/2023	7	175.82	75.10	112.46	18.27
2/1/2023	8	173.19	79.82	118.31	20.28
2/1/2023	9	167.31	82.22	117.59	20.76
2/1/2023	10	159.96	83.17	120.90	20.83
2/1/2023	11	154.23	83.21	120.60	20.58
2/1/2023	12	149.93	82.29	119.71	19.90
2/1/2023	13	144.90	80.91	121.04	19.33
2/1/2023	14	141.90	79.69	119.17	18.56
2/1/2023	15	142.17	78.06	113.80	17.25
2/1/2023	16	149.15	75.35	110.73	15.92
2/1/2023	17	162.47	72.37	107.97	15.01
2/1/2023	18	177.95	72.39	106.18	14.97
2/1/2023	19	183.08	71.06	105.68	14.73
2/1/2023	20	181.45	68.58	105.58	14.33
2/1/2023	21	175.97	65.50	103.89	13.49
2/1/2023	22	164.77	63.00	104.22	12.79
2/1/2023	23	152.46	61.15	101.85	12.38
2/1/2023	24	144.15	59.98	101.09	12.21
2/2/2023	1	139.69	59.04	100.56	12.08
2/2/2023	2	137.44	58.73	99.36	11.97
2/2/2023	3	137.30	59.00	98.62	12.18
2/2/2023	4	138.95	60.30	100.89	12.48
2/2/2023	5	145.26	63.27	103.80	13.43
2/2/2023	6	156.65	67.80	109.28	15.47
2/2/2023	7	164.09	73.45	113.73	18.06
2/2/2023	8	160.00	77.94	117.29	19.82
2/2/2023	9	154.18	80.40	119.25	20.11
2/2/2023	10	147.76	81.59	117.94	20.07
2/2/2023	11	142.47	81.80	117.18	19.99
2/2/2023	12	138.20	80.28	116.18	19.38
2/2/2023	13	134.17	79.72	118.85	18.66
2/2/2023	14	131.44	78.32	118.54	18.01
2/2/2023	15	134.30	76.84	113.29	16.83
2/2/2023	16	145.67	75.66	110.17	15.70
2/2/2023	17	159.98	72.65	106.29	15.05
2/2/2023	18	172.93	71.83	103.87	15.00
2/2/2023	19	177.61	70.42	102.73	14.71
2/2/2023	20	176.12	68.12	102.85	14.17
2/2/2023	21	172.56	65.44	102.83	13.35
2/2/2023	22	163.47	62.74	103.29	12.75
2/2/2023	23	152.65	61.33	101.83	12.40
2/2/2023	24	148.07	60.82	96.62	12.34
2/3/2023	1	142.07	59.89	98.83	12.27
2/3/2023	2	140.91	59.46	97.50	12.26
2/3/2023	3	141.31	60.09	98.56	12.34
2/3/2023	4	143.77	61.42	100.06	12.71
2/3/2023	5	149.88	63.95	101.19	13.56
2/3/2023	6	161.45	67.80	106.84	15.82
2/3/2023	7	170.14	72.89	110.36	18.29
2/3/2023	8	169.41	77.71	113.85	19.96
2/3/2023	9	169.34	80.79	112.62	20.43
2/3/2023	10	168.90	82.40	117.53	20.59

2/3/2023	11	168.23	82.84	117.27	20.67
2/3/2023	12	166.98	81.94	115.03	20.31
2/3/2023	13	165.34	81.43	113.06	19.59
2/3/2023	14	163.52	80.29	112.29	18.95
2/3/2023	15	165.36	78.73	106.12	17.72
2/3/2023	16	172.12	76.64	103.51	16.54
2/3/2023	17	180.80	73.71	99.12	15.39
2/3/2023	18	187.44	73.16	97.83	15.11
2/3/2023	19	186.64	71.54	95.08	14.77
2/3/2023	20	183.22	69.55	89.17	14.49
2/3/2023	21	180.52	67.42	91.15	14.13
2/3/2023	22	173.52	65.03	90.23	13.11
2/3/2023	23	164.17	62.89	86.74	12.52
2/3/2023	24	149.42	60.11	83.41	12.13
2/4/2023	1	150.56	60.41	88.95	12.28
2/4/2023	2	147.61	59.95	88.52	12.36
2/4/2023	3	146.45	60.02	87.96	12.42
2/4/2023	4	146.82	60.52	86.78	12.41
2/4/2023	5	149.26	61.81	85.05	12.62
2/4/2023	6	154.85	64.08	87.41	13.02
2/4/2023	7	163.88	66.31	87.16	13.43
2/4/2023	8	175.97	67.77	88.88	13.59
2/4/2023	9	180.51	69.41	87.79	13.81
2/4/2023	10	177.75	70.52	84.95	13.64
2/4/2023	11	172.84	70.82	84.05	13.60
2/4/2023	12	166.73	69.65	83.94	13.39
2/4/2023	13	160.35	68.44	80.96	13.02
2/4/2023	14	154.53	66.64	86.32	12.84
2/4/2023	15	152.12	65.27	84.19	12.52
2/4/2023	16	152.78	64.74	81.30	12.24
2/4/2023	17	157.65	64.14	80.25	12.06
2/4/2023	18	164.79	65.35	79.72	12.45
2/4/2023	19	166.43	65.44	78.25	12.46
2/4/2023	20	162.28	63.83	71.53	12.25
2/4/2023	21	156.55	61.88	71.26	11.99
2/4/2023	22	148.71	59.83	70.47	11.76
2/4/2023	23	139.00	57.81	69.55	11.38
2/4/2023	24	127.94	56.01	74.15	11.37
2/5/2023	1	123.52	55.38	69.74	11.12
2/5/2023	2	119.60	54.76	69.48	11.13
2/5/2023	3	117.96	54.79	69.81	11.27
2/5/2023	4	117.97	55.14	69.36	11.20
2/5/2023	5	119.68	56.18	68.83	11.27
2/5/2023	6	123.39	57.69	68.63	11.44
2/5/2023	7	130.95	59.93	68.73	11.66
2/5/2023	8	142.75	60.56	68.77	11.64
2/5/2023	9	149.67	62.16	69.39	11.59
2/5/2023	10	148.59	63.16	70.05	11.79
2/5/2023	11	146.85	63.65	69.73	11.86
2/5/2023	12	145.55	62.96	67.49	11.76
2/5/2023	13	142.16	62.03	69.63	11.44
2/5/2023	14	139.74	61.53	70.70	11.53

2/5/2023	15	140.00	60.52	69.72	11.34
2/5/2023	16	143.61	60.69	71.02	11.26
2/5/2023	17	154.00	61.22	71.70	11.49
2/5/2023	18	164.97	62.72	72.72	12.03
2/5/2023	19	168.54	62.46	77.02	12.36
2/5/2023	20	164.57	61.08	72.24	12.12
2/5/2023	21	156.74	59.60	79.58	11.90
2/5/2023	22	144.37	58.00	85.80	11.56
2/5/2023	23	131.88	56.34	86.71	11.49
2/5/2023	24	121.49	55.66	91.02	11.39
2/6/2023	1	116.81	54.89	90.75	11.37
2/6/2023	2	114.18	54.66	88.32	11.34
2/6/2023	3	114.40	55.20	86.03	11.47
2/6/2023	4	116.95	56.37	89.75	11.69
2/6/2023	5	123.88	59.10	93.15	12.83
2/6/2023	6	137.15	63.46	100.30	14.87
2/6/2023	7	146.87	68.87	106.87	17.42
2/6/2023	8	143.12	73.79	111.86	19.21
2/6/2023	9	137.52	76.18	111.79	19.37
2/6/2023	10	132.28	77.11	115.16	19.45
2/6/2023	11	129.04	76.95	113.82	19.26
2/6/2023	12	127.19	75.34	115.16	18.98
2/6/2023	13	124.36	75.00	117.01	18.46
2/6/2023	14	121.12	73.48	115.67	17.82
2/6/2023	15	121.56	72.05	111.41	16.60
2/6/2023	16	129.54	69.92	106.94	15.40
2/6/2023	17	144.04	66.91	103.10	14.31
2/6/2023	18	157.82	66.10	102.47	14.24
2/6/2023	19	163.30	64.72	100.40	14.06
2/6/2023	20	160.72	63.07	100.42	13.48
2/6/2023	21	155.02	61.11	96.95	12.83
2/6/2023	22	143.21	58.83	88.85	12.02
2/6/2023	23	129.42	56.81	95.64	11.32
2/6/2023	24	120.29	55.72	97.15	11.11
2/7/2023	1	114.54	54.55	98.22	11.04
2/7/2023	2	111.10	53.74	96.06	10.79
2/7/2023	3	109.34	53.82	94.96	10.78
2/7/2023	4	109.40	54.32	97.19	10.83
2/7/2023	5	113.50	57.12	101.93	11.71
2/7/2023	6	123.40	61.25	106.88	14.06
2/7/2023	7	129.45	66.13	112.43	16.68
2/7/2023	8	124.19	71.26	115.43	18.47
2/7/2023	9	121.56	73.83	116.51	18.75
2/7/2023	10	120.92	75.99	116.22	18.92
2/7/2023	11	120.90	76.74	116.35	18.82
2/7/2023	12	121.76	76.19	115.61	18.56
2/7/2023	13	122.02	75.47	116.82	18.06
2/7/2023	14	122.56	74.79	116.17	17.76
2/7/2023	15	126.61	73.91	112.32	16.60
2/7/2023	16	136.82	71.52	109.54	15.30
2/7/2023	17	148.56	68.14	105.86	14.54
2/7/2023	18	156.49	67.06	101.86	14.20

2/7/2023	19	157.51	65.08	102.92	13.95
2/7/2023	20	154.89	62.76	99.67	13.48
2/7/2023	21	149.29	60.53	98.84	12.77
2/7/2023	22	139.25	58.71	100.08	11.86
2/7/2023	23	127.95	56.83	95.99	11.33
2/7/2023	24	118.09	55.50	96.43	11.01
2/8/2023	1	115.75	55.25	97.28	11.01
2/8/2023	2	114.23	54.91	96.56	10.92
2/8/2023	3	114.49	55.22	96.44	11.13
2/8/2023	4	117.22	56.45	96.77	11.37
2/8/2023	5	123.64	59.34	98.57	12.27
2/8/2023	6	135.72	63.78	104.94	14.53
2/8/2023	7	144.52	68.95	110.07	17.08
2/8/2023	8	141.38	73.69	115.36	18.85
2/8/2023	9	136.36	75.83	113.20	19.12
2/8/2023	10	130.45	76.95	113.79	19.14
2/8/2023	11	126.32	77.05	111.61	19.12
2/8/2023	12	123.73	76.18	113.48	18.80
2/8/2023	13	120.00	75.61	110.71	17.76
2/8/2023	14	116.27	74.07	114.37	17.09
2/8/2023	15	116.19	72.35	111.02	16.04
2/8/2023	16	123.60	70.01	108.07	14.99
2/8/2023	17	136.19	66.98	105.57	14.29
2/8/2023	18	147.11	66.07	104.26	14.18
2/8/2023	19	150.87	64.76	104.31	13.82
2/8/2023	20	149.71	62.29	104.45	13.26
2/8/2023	21	144.57	60.01	104.04	12.36
2/8/2023	22	133.39	57.70	103.21	11.37
2/8/2023	23	120.80	55.55	101.95	10.99
2/8/2023	24	113.22	54.41	101.99	10.88
2/9/2023	1	107.21	53.68	101.41	10.65
2/9/2023	2	104.39	53.30	99.86	10.52
2/9/2023	3	103.53	53.36	100.66	10.42
2/9/2023	4	105.22	54.15	101.97	10.52
2/9/2023	5	110.82	57.14	104.05	11.53
2/9/2023	6	121.90	61.42	109.63	13.91
2/9/2023	7	129.86	67.13	114.42	16.67
2/9/2023	8	127.14	72.84	117.70	18.85
2/9/2023	9	126.06	75.19	118.15	18.94
2/9/2023	10	122.50	75.55	119.16	18.89
2/9/2023	11	117.66	75.22	117.98	18.46
2/9/2023	12	116.02	74.68	117.66	17.97
2/9/2023	13	115.98	74.85	116.50	17.42
2/9/2023	14	118.37	74.09	116.55	17.14
2/9/2023	15	122.83	73.16	112.96	16.23
2/9/2023	16	131.38	71.17	109.24	15.26
2/9/2023	17	141.51	67.67	106.64	14.56
2/9/2023	18	151.72	67.14	106.21	14.49
2/9/2023	19	154.30	65.09	106.39	14.20
2/9/2023	20	153.10	63.30	104.26	13.75
2/9/2023	21	149.16	60.89	105.23	13.13
2/9/2023	22	139.36	58.01	103.47	12.26

2/9/2023	23	125.95	55.74	101.45	11.54
2/9/2023	24	119.49	54.80	96.55	11.15
2/10/2023	1	110.74	53.70	96.35	10.90
2/10/2023	2	107.66	52.99	90.35	10.86
2/10/2023	3	106.96	53.15	87.52	10.80
2/10/2023	4	109.76	54.54	88.99	10.97
2/10/2023	5	114.38	56.82	99.07	11.79
2/10/2023	6	125.51	60.69	102.87	13.90
2/10/2023	7	134.05	65.86	107.01	16.18
2/10/2023	8	133.45	71.08	108.91	17.65
2/10/2023	9	132.97	73.79	110.64	17.88
2/10/2023	10	131.14	74.67	112.86	18.09
2/10/2023	11	129.73	74.97	112.42	18.14
2/10/2023	12	129.73	74.72	110.36	17.71
2/10/2023	13	127.78	74.52	111.61	17.17
2/10/2023	14	125.38	72.90	110.94	16.64
2/10/2023	15	124.81	71.20	106.96	15.36
2/10/2023	16	128.56	68.86	103.32	14.44
2/10/2023	17	137.36	66.02	94.95	13.68
2/10/2023	18	148.68	65.53	96.30	13.65
2/10/2023	19	154.67	65.39	97.01	13.68
2/10/2023	20	153.57	63.46	91.55	13.36
2/10/2023	21	152.36	61.36	92.38	12.70
2/10/2023	22	146.09	59.10	92.57	11.88
2/10/2023	23	137.51	57.02	89.57	11.40
2/10/2023	24	127.62	55.15	83.98	11.22
2/11/2023	1	125.08	54.93	87.76	11.12
2/11/2023	2	122.44	54.43	87.06	10.96
2/11/2023	3	121.50	54.55	85.95	11.04
2/11/2023	4	122.43	54.97	86.63	11.12
2/11/2023	5	125.31	56.40	86.25	11.38
2/11/2023	6	130.42	58.62	87.92	11.79
2/11/2023	7	139.65	60.70	87.41	12.23
2/11/2023	8	150.70	62.16	86.91	12.19
2/11/2023	9	153.47	63.73	86.81	12.45
2/11/2023	10	151.16	64.84	86.15	12.63
2/11/2023	11	147.43	65.06	84.21	12.40
2/11/2023	12	142.68	63.71	78.08	12.31
2/11/2023	13	136.96	62.58	76.24	11.98
2/11/2023	14	131.35	61.11	75.10	11.64
2/11/2023	15	127.25	60.02	74.31	11.54
2/11/2023	16	126.39	59.33	72.99	11.30
2/11/2023	17	130.97	58.80	71.86	11.02
2/11/2023	18	139.99	60.26	70.87	11.34
2/11/2023	19	146.50	60.85	71.38	11.46
2/11/2023	20	145.22	59.64	71.02	11.51
2/11/2023	21	142.21	58.36	70.47	11.52
2/11/2023	22	136.90	56.89	70.28	11.20
2/11/2023	23	129.11	54.98	70.30	11.02
2/11/2023	24	119.01	53.22	71.85	10.79
2/12/2023	1	116.82	53.13	69.64	10.83
2/12/2023	2	114.67	52.68	69.94	10.86

2/12/2023	3	114.04	52.95	68.57	10.81
2/12/2023	4	114.71	53.48	68.72	10.97
2/12/2023	5	117.48	54.42	68.72	11.04
2/12/2023	6	122.70	56.19	67.65	11.21
2/12/2023	7	131.68	58.46	67.48	11.61
2/12/2023	8	144.33	58.33	67.45	11.37
2/12/2023	9	149.55	59.92	68.80	11.24
2/12/2023	10	146.51	60.48	69.08	11.46
2/12/2023	11	143.17	60.95	69.30	11.60
2/12/2023	12	140.62	60.36	68.90	11.30
2/12/2023	13	137.45	59.22	68.42	11.11
2/12/2023	14	133.48	58.38	68.58	11.00
2/12/2023	15	130.29	57.27	68.56	10.78
2/12/2023	16	130.33	56.35	67.87	10.56
2/12/2023	17	135.88	55.53	67.35	10.60
2/12/2023	18	143.66	56.68	66.76	10.92
2/12/2023	19	143.91	57.34	72.30	11.28
2/12/2023	20	140.81	56.53	69.35	11.06
2/12/2023	21	138.29	55.21	76.25	10.85
2/12/2023	22	130.51	54.07	78.51	10.72
2/12/2023	23	121.23	52.58	75.71	10.52
2/12/2023	24	111.89	81.62	56.73	10.54
2/13/2023	1	104.68	80.55	51.01	10.42
2/13/2023	2	101.79	80.36	51.84	10.42
2/13/2023	3	101.90	80.72	52.41	10.62
2/13/2023	4	103.90	81.90	53.87	10.70
2/13/2023	5	109.54	84.71	57.00	11.67
2/13/2023	6	120.58	88.98	62.12	13.57
2/13/2023	7	129.00	93.93	69.84	15.75
2/13/2023	8	127.11	98.46	74.51	17.29
2/13/2023	9	123.17	100.87	76.95	17.49
2/13/2023	10	120.71	102.50	78.73	17.60
2/13/2023	11	118.75	102.46	79.56	17.48
2/13/2023	12	117.37	101.87	78.22	17.10
2/13/2023	13	115.18	101.33	82.60	16.62
2/13/2023	14	111.74	100.20	81.00	16.18
2/13/2023	15	110.53	98.44	78.20	15.37
2/13/2023	16	114.58	95.21	74.85	14.09
2/13/2023	17	124.73	91.70	70.03	13.43
2/13/2023	18	139.11	90.79	68.46	13.23
2/13/2023	19	148.26	90.75	67.09	13.46
2/13/2023	20	148.48	89.16	67.85	12.96
2/13/2023	21	144.49	87.13	71.65	12.30
2/13/2023	22	134.56	85.12	72.37	11.62
2/13/2023	23	123.68	83.56	72.12	10.88
2/13/2023	24	111.38	82.01	69.78	10.65
2/14/2023	1	111.63	81.80	68.48	10.61
2/14/2023	2	110.49	81.74	62.17	10.68
2/14/2023	3	110.78	81.99	59.46	10.78
2/14/2023	4	113.11	83.31	62.71	10.82
2/14/2023	5	119.42	85.88	68.63	11.74
2/14/2023	6	131.28	90.57	74.84	14.02

2/14/2023	7	139.12	95.98	79.49	16.77
2/14/2023	8	133.14	100.27	83.51	18.42
2/14/2023	9	125.84	102.71	83.16	18.61
2/14/2023	10	119.64	103.40	83.86	18.68
2/14/2023	11	114.24	103.64	83.64	18.34
2/14/2023	12	110.60	102.71	82.91	17.70
2/14/2023	13	108.55	102.04	84.51	17.39
2/14/2023	14	107.29	101.41	83.56	16.78
2/14/2023	15	109.15	99.40	78.03	15.91
2/14/2023	16	116.58	96.48	74.61	14.72
2/14/2023	17	128.50	92.94	71.93	14.04
2/14/2023	18	135.89	91.63	72.02	13.55
2/14/2023	19	136.78	90.62	71.74	13.28
2/14/2023	20	133.13	88.39	71.45	12.75
2/14/2023	21	128.15	86.07	69.20	11.92
2/14/2023	22	118.60	84.09	66.22	11.02
2/14/2023	23	106.12	81.98	65.99	10.51
2/14/2023	24	99.98	80.76	66.08	10.35
2/15/2023	1	92.21	79.68	65.47	10.06
2/15/2023	2	89.37	79.30	63.15	9.95
2/15/2023	3	88.20	79.51	60.23	9.87
2/15/2023	4	89.41	80.40	62.63	9.86
2/15/2023	5	94.05	82.85	65.63	10.74
2/15/2023	6	103.44	87.05	71.83	12.87
2/15/2023	7	111.68	92.53	76.65	15.52
2/15/2023	8	109.59	97.54	79.42	17.49
2/15/2023	9	109.73	100.20	79.43	18.11
2/15/2023	10	111.41	102.14	79.92	18.28
2/15/2023	11	112.64	103.07	79.81	18.27
2/15/2023	12	114.43	102.43	80.61	17.76
2/15/2023	13	114.01	102.22	81.75	17.46
2/15/2023	14	113.54	101.08	79.74	16.92
2/15/2023	15	115.44	100.46	75.33	15.85
2/15/2023	16	123.29	97.75	73.14	14.69
2/15/2023	17	135.46	94.58	73.19	13.80
2/15/2023	18	144.22	93.56	70.36	13.70
2/15/2023	19	147.12	92.23	69.31	13.72
2/15/2023	20	144.83	89.44	68.80	13.17
2/15/2023	21	139.33	86.85	68.81	12.14
2/15/2023	22	128.50	84.36	69.17	11.18
2/15/2023	23	116.78	82.61	66.57	10.67
2/15/2023	24	113.19	82.52	66.66	10.71
2/16/2023	1	104.02	80.87	66.29	10.32
2/16/2023	2	101.70	80.89	64.86	10.19
2/16/2023	3	101.43	81.12	65.14	10.21
2/16/2023	4	103.74	82.25	66.82	10.41
2/16/2023	5	109.27	85.09	70.01	11.28
2/16/2023	6	120.75	89.33	76.99	13.56
2/16/2023	7	129.05	94.81	80.04	16.12
2/16/2023	8	125.80	99.81	82.81	18.02
2/16/2023	9	125.44	102.50	82.52	18.71
2/16/2023	10	124.96	104.08	85.00	18.88

2/16/2023	11	126.12	105.16	86.49	18.82
2/16/2023	12	128.61	104.74	85.19	18.48
2/16/2023	13	129.99	105.20	85.55	18.20
2/16/2023	14	131.83	105.10	85.03	17.81
2/16/2023	15	135.65	103.86	80.94	16.73
2/16/2023	16	144.90	101.49	77.14	15.33
2/16/2023	17	155.01	97.77	72.70	14.48
2/16/2023	18	161.65	96.44	71.97	14.25
2/16/2023	19	163.29	95.33	70.33	13.92
2/16/2023	20	160.85	92.68	71.78	13.25
2/16/2023	21	155.66	90.16	70.28	12.64
2/16/2023	22	145.86	87.64	70.13	11.86
2/16/2023	23	135.34	86.49	66.97	11.47
2/16/2023	24	131.94	86.10	66.51	11.44
2/17/2023	1	124.90	85.16	67.12	11.34
2/17/2023	2	123.08	85.13	65.03	11.34
2/17/2023	3	123.23	85.36	65.78	11.35
2/17/2023	4	125.00	86.20	67.29	11.58
2/17/2023	5	130.28	88.77	70.18	12.48
2/17/2023	6	139.25	92.79	73.37	14.11
2/17/2023	7	146.05	97.67	79.78	15.45
2/17/2023	8	149.04	101.23	82.19	15.46
2/17/2023	9	151.79	104.30	81.68	15.76
2/17/2023	10	152.49	106.15	83.67	15.98
2/17/2023	11	152.24	106.60	83.57	16.04
2/17/2023	12	151.81	105.53	83.05	15.87
2/17/2023	13	150.54	105.40	84.11	15.81
2/17/2023	14	148.68	104.96	82.52	15.38
2/17/2023	15	149.49	103.48	77.96	14.78
2/17/2023	16	152.47	101.27	74.95	14.57
2/17/2023	17	157.81	97.72	71.79	13.86
2/17/2023	18	164.80	96.97	65.22	13.72
2/17/2023	19	169.01	97.03	69.70	13.69
2/17/2023	20	166.97	95.36	68.09	13.36
2/17/2023	21	165.18	93.33	67.77	12.96
2/17/2023	22	159.46	90.90	65.89	12.17
2/17/2023	23	150.53	89.05	62.50	11.66
2/17/2023	24	136.38	86.36	55.89	11.27
2/18/2023	1	136.66	86.56	60.54	11.40
2/18/2023	2	133.20	86.16	61.61	11.49
2/18/2023	3	131.68	85.94	60.74	11.62
2/18/2023	4	131.14	86.37	60.50	11.63
2/18/2023	5	132.85	87.62	61.46	11.70
2/18/2023	6	136.23	89.65	62.25	12.00
2/18/2023	7	143.55	91.17	60.90	12.22
2/18/2023	8	154.24	92.10	61.80	12.11
2/18/2023	9	156.89	94.00	61.44	12.32
2/18/2023	10	155.37	95.33	63.59	12.50
2/18/2023	11	152.35	95.61	62.74	12.58
2/18/2023	12	148.56	94.54	61.43	12.10
2/18/2023	13	143.27	93.43	59.64	11.88
2/18/2023	14	137.17	91.98	61.22	11.76

2/18/2023	15	133.18	90.59	60.01	11.21
2/18/2023	16	133.07	89.54	56.57	10.89
2/18/2023	17	137.55	89.00	58.29	10.86
2/18/2023	18	144.48	90.25	55.63	11.19
2/18/2023	19	148.85	90.92	52.60	11.44
2/18/2023	20	145.56	89.39	42.88	11.40
2/18/2023	21	142.02	87.75	42.72	11.36
2/18/2023	22	135.73	85.97	42.24	11.01
2/18/2023	23	127.03	83.90	40.84	10.75
2/18/2023	24	115.75	81.99	46.59	10.49
2/19/2023	1	113.04	81.44	41.29	10.49
2/19/2023	2	109.80	80.83	41.20	10.52
2/19/2023	3	107.86	81.02	41.36	10.49
2/19/2023	4	107.71	81.31	41.06	10.49
2/19/2023	5	109.32	82.23	42.58	10.72
2/19/2023	6	113.64	84.00	43.22	10.90
2/19/2023	7	121.46	85.51	43.41	11.13
2/19/2023	8	133.13	85.72	42.49	11.03
2/19/2023	9	141.78	88.15	42.19	10.89
2/19/2023	10	144.17	89.87	42.81	11.16
2/19/2023	11	141.52	90.04	44.06	11.21
2/19/2023	12	137.86	89.29	43.50	11.30
2/19/2023	13	132.71	88.44	43.59	10.93
2/19/2023	14	127.68	87.67	44.09	10.84
2/19/2023	15	123.66	86.54	43.46	10.76
2/19/2023	16	124.12	86.03	42.84	10.45
2/19/2023	17	129.17	85.47	42.14	10.44
2/19/2023	18	137.50	86.20	41.58	10.76
2/19/2023	19	145.97	86.95	48.20	11.10
2/19/2023	20	143.47	85.64	45.70	10.99
2/19/2023	21	136.47	84.07	53.45	10.82
2/19/2023	22	126.11	82.99	59.11	10.62
2/19/2023	23	114.43	81.32	60.32	10.44
2/19/2023	24	107.53	81.13	63.81	10.34
2/20/2023	1	101.63	80.18	62.99	10.23
2/20/2023	2	100.27	80.16	60.72	10.36
2/20/2023	3	100.80	80.73	61.06	10.54
2/20/2023	4	103.45	81.97	63.98	10.85
2/20/2023	5	110.50	85.02	68.49	11.83
2/20/2023	6	121.66	89.58	75.60	13.55
2/20/2023	7	130.71	94.72	82.00	15.37
2/20/2023	8	131.25	98.41	87.68	16.05
2/20/2023	9	130.69	101.23	90.24	16.33
2/20/2023	10	127.83	102.10	92.33	16.39
2/20/2023	11	124.63	102.40	90.44	16.15
2/20/2023	12	121.04	101.12	91.19	15.63
2/20/2023	13	117.58	100.52	90.49	15.34
2/20/2023	14	114.41	99.82	89.05	14.89
2/20/2023	15	113.77	98.18	84.75	14.09
2/20/2023	16	117.73	95.09	81.53	13.02
2/20/2023	17	126.54	91.50	75.82	12.47
2/20/2023	18	137.62	90.03	75.52	12.44

2/20/2023	19	147.05	90.13	74.93	12.74
2/20/2023	20	146.35	88.47	75.20	12.60
2/20/2023	21	142.00	86.65	75.06	11.84
2/20/2023	22	132.21	84.84	73.63	11.02
2/20/2023	23	120.58	83.01	71.41	10.66
2/20/2023	24	114.53	82.42	72.29	10.66
2/21/2023	1	107.02	81.25	69.93	10.51
2/21/2023	2	104.32	80.92	70.69	10.40
2/21/2023	3	103.61	81.14	68.30	10.46
2/21/2023	4	105.63	82.29	69.44	10.58
2/21/2023	5	112.48	85.17	74.30	11.52
2/21/2023	6	126.28	90.42	81.09	14.04
2/21/2023	7	136.24	96.03	83.88	16.65
2/21/2023	8	134.03	101.27	88.06	18.66
2/21/2023	9	133.89	104.81	90.38	19.25
2/21/2023	10	135.03	107.07	91.33	19.39
2/21/2023	11	136.72	107.52	90.48	19.30
2/21/2023	12	136.93	107.51	88.51	18.89
2/21/2023	13	131.73	106.32	89.82	18.26
2/21/2023	14	126.88	104.48	90.09	17.63
2/21/2023	15	126.09	102.60	85.57	16.32
2/21/2023	16	132.33	99.51	80.26	15.11
2/21/2023	17	143.27	95.55	76.51	14.37
2/21/2023	18	154.43	93.93	74.41	14.15
2/21/2023	19	160.89	93.45	74.69	13.96
2/21/2023	20	158.86	91.42	76.71	13.44
2/21/2023	21	153.80	89.51	74.62	12.82
2/21/2023	22	142.88	87.01	74.76	11.85
2/21/2023	23	130.28	84.90	74.64	11.11
2/21/2023	24	120.84	83.87	74.15	10.99
2/22/2023	1	117.40	83.27	72.45	10.81
2/22/2023	2	114.67	82.97	71.37	10.74
2/22/2023	3	114.44	83.18	70.35	10.80
2/22/2023	4	116.69	84.42	70.25	10.91
2/22/2023	5	121.59	86.78	76.72	11.89
2/22/2023	6	131.94	91.51	81.99	13.89
2/22/2023	7	140.28	96.52	85.65	15.95
2/22/2023	8	139.44	101.45	87.88	17.26
2/22/2023	9	138.77	104.45	89.32	17.70
2/22/2023	10	141.12	106.69	90.06	17.90
2/22/2023	11	143.60	107.20	90.16	17.88
2/22/2023	12	144.73	106.53	89.52	17.58
2/22/2023	13	144.55	105.96	90.75	17.34
2/22/2023	14	144.33	105.31	89.81	16.82
2/22/2023	15	146.03	103.57	87.33	16.08
2/22/2023	16	153.71	101.12	83.46	15.23
2/22/2023	17	163.40	97.36	79.83	14.43
2/22/2023	18	163.95	95.43	76.93	14.12
2/22/2023	19	163.01	94.05	75.43	14.11
2/22/2023	20	158.10	91.32	68.74	13.49
2/22/2023	21	150.35	88.58	64.86	12.49
2/22/2023	22	138.28	86.43	72.04	11.69

2/22/2023	23	126.32	84.46	72.76	11.38
2/22/2023	24	120.11	83.84	72.01	11.25
2/23/2023	1	111.25	81.67	71.23	10.83
2/23/2023	2	108.03	81.37	69.79	10.74
2/23/2023	3	107.25	81.38	69.40	10.75
2/23/2023	4	107.97	82.18	69.69	10.80
2/23/2023	5	112.97	82.84	71.63	11.70
2/23/2023	6	122.39	84.95	75.91	13.55
2/23/2023	7	129.68	89.75	81.97	15.77
2/23/2023	8	126.07	93.78	84.17	16.90
2/23/2023	9	124.62	96.43	84.58	17.27
2/23/2023	10	122.41	97.81	86.76	17.14
2/23/2023	11	119.82	98.13	85.87	16.94
2/23/2023	12	122.24	100.81	85.74	16.78
2/23/2023	13	124.41	103.25	85.48	16.70
2/23/2023	14	125.45	103.54	84.42	16.52
2/23/2023	15	128.78	102.48	81.45	15.77
2/23/2023	16	138.19	100.04	79.84	14.93
2/23/2023	17	149.08	96.61	76.62	14.18
2/23/2023	18	158.48	95.74	74.98	14.11
2/23/2023	19	162.01	95.21	73.86	14.12
2/23/2023	20	161.73	93.39	71.09	13.45
2/23/2023	21	157.90	91.11	71.75	12.94
2/23/2023	22	148.99	88.59	72.18	12.18
2/23/2023	23	138.13	87.00	68.95	11.68
2/23/2023	24	130.24	85.69	64.19	11.39
2/24/2023	1	124.82	84.89	65.15	11.59
2/24/2023	2	121.61	84.55	65.88	11.46
2/24/2023	3	120.77	84.60	65.94	11.50
2/24/2023	4	122.70	85.56	67.71	11.55
2/24/2023	5	128.09	88.37	68.26	12.40
2/24/2023	6	138.80	92.30	71.76	14.52
2/24/2023	7	147.09	97.10	75.85	16.79
2/24/2023	8	145.48	101.19	77.72	18.50
2/24/2023	9	144.78	104.54	78.32	18.96
2/24/2023	10	144.45	106.41	79.90	19.17
2/24/2023	11	143.82	107.32	80.71	18.82
2/24/2023	12	142.52	106.59	78.00	18.55
2/24/2023	13	139.15	105.25	79.62	17.91
2/24/2023	14	135.31	104.04	76.67	17.22
2/24/2023	15	132.22	101.52	74.44	15.93
2/24/2023	16	134.86	99.04	71.74	14.80
2/24/2023	17	142.68	96.29	67.84	13.96
2/24/2023	18	152.32	95.22	66.75	13.64
2/24/2023	19	157.47	95.41	65.68	13.61
2/24/2023	20	156.16	93.09	58.90	13.29
2/24/2023	21	153.63	90.82	60.33	12.64
2/24/2023	22	147.74	88.41	58.63	11.79
2/24/2023	23	138.97	86.39	52.77	11.30
2/24/2023	24	130.60	84.60	48.40	11.07
2/25/2023	1	125.64	84.10	51.66	10.96
2/25/2023	2	122.14	83.65	51.00	10.92

2/25/2023	3	120.73	83.65	50.61	10.98
2/25/2023	4	120.47	84.10	51.35	11.02
2/25/2023	5	121.40	84.97	52.08	11.07
2/25/2023	6	125.27	87.13	53.52	11.33
2/25/2023	7	133.00	89.14	53.95	11.78
2/25/2023	8	144.32	90.62	54.35	11.79
2/25/2023	9	150.66	92.83	54.10	12.16
2/25/2023	10	153.08	94.54	53.71	12.55
2/25/2023	11	155.05	95.56	50.31	12.67
2/25/2023	12	154.71	95.02	46.61	12.69
2/25/2023	13	151.69	94.43	45.62	12.41
2/25/2023	14	149.02	93.18	44.41	12.35
2/25/2023	15	147.48	92.27	43.25	11.87
2/25/2023	16	146.35	91.71	42.81	11.52
2/25/2023	17	147.12	90.33	41.98	11.44
2/25/2023	18	151.14	90.89	41.48	11.49
2/25/2023	19	157.35	92.20	41.15	11.92
2/25/2023	20	155.28	91.22	40.95	11.93
2/25/2023	21	151.84	90.16	40.71	11.78
2/25/2023	22	145.46	87.82	40.93	11.39
2/25/2023	23	137.75	85.77	39.95	11.07
2/25/2023	24	126.45	83.92	42.85	11.05
2/26/2023	1	122.97	83.43	38.05	10.99
2/26/2023	2	119.08	82.73	38.09	10.94
2/26/2023	3	117.30	82.84	37.77	10.86
2/26/2023	4	117.14	83.21	38.33	10.91
2/26/2023	5	118.72	84.21	37.51	10.91
2/26/2023	6	122.59	85.80	37.72	11.13
2/26/2023	7	131.30	87.16	38.26	11.25
2/26/2023	8	141.95	86.83	38.85	11.01
2/26/2023	9	146.15	88.89	39.51	11.33
2/26/2023	10	145.94	90.81	41.00	11.50
2/26/2023	11	144.13	91.14	40.66	11.28
2/26/2023	12	141.66	90.19	40.73	11.36
2/26/2023	13	137.25	89.26	40.71	11.25
2/26/2023	14	132.31	88.36	39.97	10.96
2/26/2023	15	128.78	87.20	40.03	10.77
2/26/2023	16	129.31	86.59	39.45	10.69
2/26/2023	17	134.36	85.69	39.91	10.60
2/26/2023	18	142.80	85.84	40.25	10.90
2/26/2023	19	154.65	87.93	45.64	11.39
2/26/2023	20	154.57	87.19	42.78	11.29
2/26/2023	21	149.02	85.91	50.17	11.08
2/26/2023	22	137.69	84.53	53.93	11.12
2/26/2023	23	125.63	83.11	56.07	10.96
2/26/2023	24	116.09	82.62	57.75	10.94
2/27/2023	1	111.60	81.75	53.04	10.81
2/27/2023	2	108.78	81.41	55.29	10.79
2/27/2023	3	107.72	81.65	56.05	10.71
2/27/2023	4	109.06	82.48	56.48	11.05
2/27/2023	5	115.18	85.30	62.10	11.95
2/27/2023	6	125.97	89.41	69.11	14.15

2/27/2023	7	134.93	95.31	75.63	16.87
2/27/2023	8	132.23	100.82	82.85	18.84
2/27/2023	9	133.03	104.85	84.77	19.68
2/27/2023	10	133.93	105.73	86.05	20.21
2/27/2023	11	133.98	105.56	87.53	19.87
2/27/2023	12	132.87	101.62	85.55	19.45
2/27/2023	13	130.84	104.02	89.43	18.91
2/27/2023	14	126.51	102.69	88.88	18.11
2/27/2023	15	124.85	101.06	85.00	16.72
2/27/2023	16	132.35	97.52	81.23	15.28
2/27/2023	17	141.85	93.52	77.80	14.32
2/27/2023	18	147.60	91.72	71.60	13.92
2/27/2023	19	149.23	90.91	70.30	13.74
2/27/2023	20	145.42	88.85	69.98	13.09
2/27/2023	21	140.64	87.19	69.17	12.66
2/27/2023	22	132.31	85.65	69.82	11.82
2/27/2023	23	121.60	83.97	67.07	11.39
2/27/2023	24	111.97	82.60	66.44	11.03
2/28/2023	1	109.44	82.19	64.98	11.00
2/28/2023	2	107.01	81.71	64.32	11.00
2/28/2023	3	107.08	81.70	66.71	10.94
2/28/2023	4	108.92	82.92	68.64	11.03
2/28/2023	5	114.37	85.29	73.37	12.10
2/28/2023	6	125.67	90.18	79.24	14.44
2/28/2023	7	132.41	95.58	84.99	16.89
2/28/2023	8	128.20	100.42	89.49	18.51
2/28/2023	9	125.85	102.95	92.05	19.00
2/28/2023	10	123.32	104.74	91.79	19.02
2/28/2023	11	120.25	104.82	90.85	18.69
2/28/2023	12	116.77	103.60	90.10	18.38
2/28/2023	13	111.28	103.21	93.56	17.63
2/28/2023	14	106.53	102.19	90.06	16.89
2/28/2023	15	104.86	99.87	85.78	15.82
2/28/2023	16	109.93	96.42	83.33	14.57
2/28/2023	17	122.66	92.58	79.78	13.68
2/28/2023	18	133.60	91.13	77.67	13.46
2/28/2023	19	141.70	91.21	76.23	13.46
2/28/2023	20	141.26	88.99	76.60	12.87
2/28/2023	21	137.36	86.78	75.78	12.18
2/28/2023	22	126.97	84.97	74.80	11.27
2/28/2023	23	115.20	82.96	72.92	10.54
2/28/2023	24	105.60	81.31	72.10	10.40
3/1/2023	1	102.06	80.85	67.51	10.35
3/1/2023	2	99.54	80.46	65.27	10.32
3/1/2023	3	99.69	80.85	65.83	10.44
3/1/2023	4	101.58	82.04	66.52	10.53
3/1/2023	5	107.76	84.44	68.28	11.51
3/1/2023	6	119.00	89.11	76.48	13.57
3/1/2023	7	127.19	93.37	85.66	15.93
3/1/2023	8	122.01	97.83	89.64	17.66
3/1/2023	9	114.98	101.05	92.18	18.12
3/1/2023	10	109.84	101.89	93.80	18.09

3/1/2023	11	106.28	101.55	95.15	17.99
3/1/2023	12	102.38	101.78	91.59	17.57
3/1/2023	13	98.95	101.26	93.64	16.82
3/1/2023	14	95.91	100.56	90.99	16.29
3/1/2023	15	95.00	98.99	86.56	15.43
3/1/2023	16	100.04	94.80	83.35	14.16
3/1/2023	17	109.26	91.31	78.38	13.35
3/1/2023	18	118.98	89.33	76.31	12.98
3/1/2023	19	129.12	90.02	78.15	13.20
3/1/2023	20	131.66	87.68	76.55	12.84
3/1/2023	21	129.31	85.16	75.28	11.85
3/1/2023	22	121.28	83.04	75.34	11.07
3/1/2023	23	110.71	81.06	75.01	10.44
3/1/2023	24	106.95	80.65	72.04	10.39
3/2/2023	1	99.68	79.22	70.73	10.22
3/2/2023	2	98.42	78.92	69.80	10.18
3/2/2023	3	99.54	79.53	69.63	10.23
3/2/2023	4	102.13	80.70	71.19	10.51
3/2/2023	5	108.13	83.21	75.33	11.26
3/2/2023	6	120.77	88.30	79.45	13.58
3/2/2023	7	129.74	93.49	86.29	16.28
3/2/2023	8	126.33	98.69	86.12	18.23
3/2/2023	9	125.39	102.00	88.24	18.73
3/2/2023	10	124.61	103.21	91.56	18.75
3/2/2023	11	122.61	103.70	89.92	18.64
3/2/2023	12	120.65	103.23	90.32	18.39
3/2/2023	13	118.68	102.87	91.18	17.70
3/2/2023	14	116.70	101.93	90.76	17.14
3/2/2023	15	117.89	100.43	87.07	15.99
3/2/2023	16	124.75	97.68	82.27	14.97
3/2/2023	17	134.95	93.71	78.70	14.02
3/2/2023	18	144.45	92.20	77.23	13.77
3/2/2023	19	150.34	92.13	76.96	13.81
3/2/2023	20	150.00	89.70	76.97	13.24
3/2/2023	21	145.90	87.33	76.59	12.56
3/2/2023	22	136.99	85.19	75.23	11.75
3/2/2023	23	126.26	83.35	73.39	11.16
3/2/2023	24	119.15	82.11	67.84	10.88
3/3/2023	1	113.46	81.08	70.27	10.78
3/3/2023	2	111.29	80.80	69.78	10.75
3/3/2023	3	110.62	80.95	70.37	10.82
3/3/2023	4	111.93	81.99	70.35	10.90
3/3/2023	5	116.87	84.37	74.46	11.73
3/3/2023	6	127.17	88.49	80.61	13.79
3/3/2023	7	136.05	93.20	86.42	15.96
3/3/2023	8	134.50	97.68	88.17	17.44
3/3/2023	9	134.11	101.46	87.07	18.02
3/3/2023	10	135.09	103.26	87.34	18.24
3/3/2023	11	135.35	103.65	87.09	18.02
3/3/2023	12	136.23	103.31	86.35	17.52
3/3/2023	13	136.88	102.76	86.11	17.02
3/3/2023	14	138.17	99.39	84.29	16.42

3/3/2023	15	142.86	100.13	80.61	15.47
3/3/2023	16	149.66	97.82	76.81	14.44
3/3/2023	17	157.31	94.78	74.67	13.54
3/3/2023	18	157.09	92.82	71.76	13.20
3/3/2023	19	157.08	92.01	69.76	13.05
3/3/2023	20	152.48	89.52	60.73	12.64
3/3/2023	21	146.53	87.44	63.15	12.10
3/3/2023	22	139.54	84.93	61.92	11.35
3/3/2023	23	129.43	83.00	60.19	10.95
3/3/2023	24	119.25	81.31	53.86	10.81
3/4/2023	1	115.37	80.65	57.54	10.81
3/4/2023	2	112.17	80.27	59.07	10.70
3/4/2023	3	110.37	80.19	61.04	10.87
3/4/2023	4	110.13	80.55	61.72	10.73
3/4/2023	5	111.96	81.73	62.40	10.75
3/4/2023	6	115.94	83.80	62.13	11.06
3/4/2023	7	124.73	84.96	62.37	11.30
3/4/2023	8	134.98	86.61	61.51	11.33
3/4/2023	9	139.13	88.65	61.35	11.48
3/4/2023	10	139.62	90.35	61.76	11.72
3/4/2023	11	138.02	90.72	61.37	11.73
3/4/2023	12	134.90	90.52	59.78	11.46
3/4/2023	13	130.91	89.63	59.97	11.37
3/4/2023	14	126.10	88.76	59.03	11.26
3/4/2023	15	125.86	87.76	57.19	11.40
3/4/2023	16	129.41	87.53	57.30	11.26
3/4/2023	17	135.22	87.64	56.03	11.15
3/4/2023	18	139.94	88.07	55.81	11.36
3/4/2023	19	143.91	88.86	53.45	11.68
3/4/2023	20	140.70	87.29	46.30	11.45
3/4/2023	21	136.12	85.78	45.87	11.23
3/4/2023	22	129.26	83.78	44.36	11.03
3/4/2023	23	121.42	81.79	43.33	10.99
3/4/2023	24	111.87	80.36	47.52	10.69
3/5/2023	1	109.44	79.89	42.54	10.87
3/5/2023	2	106.44	79.44	42.52	10.97
3/5/2023	3	105.51	79.81	42.96	10.94
3/5/2023	4	105.64	80.27	44.21	10.91
3/5/2023	5	108.13	81.37	44.37	11.03
3/5/2023	6	113.32	83.05	44.15	11.19
3/5/2023	7	123.81	84.31	43.71	11.06
3/5/2023	8	135.26	84.87	43.85	10.92
3/5/2023	9	138.87	87.15	43.75	11.08
3/5/2023	10	137.34	88.20	43.64	11.13
3/5/2023	11	134.81	88.56	43.43	11.17
3/5/2023	12	131.72	88.20	43.42	11.34
3/5/2023	13	128.92	87.08	43.71	11.15
3/5/2023	14	124.20	86.33	44.69	10.82
3/5/2023	15	121.08	85.55	44.68	10.73
3/5/2023	16	122.12	84.83	44.93	10.55
3/5/2023	17	126.66	84.22	45.03	10.65
3/5/2023	18	134.99	84.38	45.02	10.94

3/5/2023	19	145.19	85.69	48.74	11.22
3/5/2023	20	144.91	84.60	47.25	11.23
3/5/2023	21	138.35	83.26	54.11	11.20
3/5/2023	22	126.89	81.87	60.31	10.94
3/5/2023	23	113.77	80.10	61.59	10.59
3/5/2023	24	105.49	79.54	63.46	10.69
3/6/2023	1	101.23	79.07	62.54	10.57
3/6/2023	2	100.79	78.97	60.67	10.74
3/6/2023	3	100.98	79.54	61.42	11.15
3/6/2023	4	103.48	80.88	61.98	11.25
3/6/2023	5	109.89	83.56	66.71	12.24
3/6/2023	6	121.77	87.72	72.32	14.34
3/6/2023	7	130.22	92.10	79.35	16.45
3/6/2023	8	123.77	96.58	84.12	18.07
3/6/2023	9	120.05	99.73	86.29	18.57
3/6/2023	10	121.10	102.00	87.36	18.92
3/6/2023	11	124.03	102.97	88.54	19.04
3/6/2023	12	125.58	102.36	88.33	18.92
3/6/2023	13	125.46	102.09	88.70	18.10
3/6/2023	14	123.68	101.43	86.77	17.59
3/6/2023	15	126.39	100.17	81.89	16.68
3/6/2023	16	131.13	96.69	79.20	15.11
3/6/2023	17	139.68	92.54	75.08	14.06
3/6/2023	18	148.36	90.91	73.85	13.74
3/6/2023	19	150.45	90.52	72.42	13.62
3/6/2023	20	146.89	88.30	69.08	13.19
3/6/2023	21	140.65	85.89	68.31	12.44
3/6/2023	22	129.75	83.58	72.37	11.68
3/6/2023	23	117.48	81.62	69.61	11.15
3/6/2023	24	110.28	81.19	68.27	10.96
3/7/2023	1	104.90	80.56	66.17	10.78
3/7/2023	2	102.82	80.05	58.25	10.76
3/7/2023	3	102.99	80.21	63.20	10.85
3/7/2023	4	105.76	81.42	68.39	11.03
3/7/2023	5	112.35	84.19	72.53	12.11
3/7/2023	6	124.88	89.01	78.38	14.34
3/7/2023	7	133.34	93.65	83.20	16.76
3/7/2023	8	126.41	98.05	86.63	18.44
3/7/2023	9	120.99	101.43	87.16	18.85
3/7/2023	10	116.03	102.82	87.92	18.85
3/7/2023	11	112.75	102.82	85.99	18.39
3/7/2023	12	110.64	102.15	87.45	17.91
3/7/2023	13	108.06	101.89	88.94	17.41
3/7/2023	14	105.01	100.88	87.02	16.89
3/7/2023	15	104.67	99.44	83.85	15.91
3/7/2023	16	109.78	96.34	73.84	14.65
3/7/2023	17	119.65	92.10	76.77	13.66
3/7/2023	18	130.84	89.84	73.35	13.34
3/7/2023	19	142.41	90.70	74.64	13.54
3/7/2023	20	144.79	89.03	75.38	13.25
3/7/2023	21	141.29	86.84	73.62	12.72
3/7/2023	22	132.32	84.79	72.66	11.79

3/7/2023	23	120.99	83.33	70.59	11.10
3/7/2023	24	112.40	81.85	70.36	10.85
3/8/2023	1	109.24	80.88	69.11	10.73
3/8/2023	2	107.89	80.71	69.77	10.75
3/8/2023	3	108.68	81.13	69.77	10.90
3/8/2023	4	111.05	82.27	69.97	11.04
3/8/2023	5	117.51	85.30	73.00	12.14
3/8/2023	6	129.41	90.27	77.85	14.26
3/8/2023	7	138.30	94.60	83.82	16.50
3/8/2023	8	133.86	99.28	87.77	18.25
3/8/2023	9	129.34	102.64	88.31	19.07
3/8/2023	10	126.11	104.35	89.50	19.07
3/8/2023	11	121.52	104.25	87.82	18.64
3/8/2023	12	116.94	103.10	88.72	18.12
3/8/2023	13	111.78	102.34	88.86	17.55
3/8/2023	14	108.09	101.34	86.08	16.88
3/8/2023	15	108.49	99.94	82.09	15.85
3/8/2023	16	113.63	96.92	77.60	14.56
3/8/2023	17	123.06	92.78	73.03	13.57
3/8/2023	18	133.64	91.12	72.76	13.23
3/8/2023	19	142.15	91.27	73.47	13.22
3/8/2023	20	143.08	89.35	73.19	12.99
3/8/2023	21	139.65	86.81	72.78	12.31
3/8/2023	22	129.80	84.74	71.54	11.40
3/8/2023	23	118.56	83.06	69.98	11.04
3/8/2023	24	111.88	82.06	71.06	10.84
3/9/2023	1	105.57	80.68	70.11	10.56
3/9/2023	2	103.46	80.23	68.92	10.50
3/9/2023	3	103.32	80.39	67.82	10.65
3/9/2023	4	105.78	81.65	67.32	10.83
3/9/2023	5	112.44	84.55	72.26	11.73
3/9/2023	6	125.40	89.38	77.14	13.97
3/9/2023	7	133.87	94.46	80.60	16.43
3/9/2023	8	129.04	99.15	85.12	18.42
3/9/2023	9	127.12	101.85	88.27	18.67
3/9/2023	10	124.60	104.28	88.60	18.59
3/9/2023	11	122.61	104.69	88.26	18.37
3/9/2023	12	118.88	103.58	86.30	18.06
3/9/2023	13	115.47	103.00	88.59	17.48
3/9/2023	14	114.60	102.22	86.72	17.17
3/9/2023	15	117.72	100.75	81.73	16.04
3/9/2023	16	126.55	98.54	77.35	15.12
3/9/2023	17	137.03	94.99	73.82	14.20
3/9/2023	18	144.79	93.44	71.73	13.86
3/9/2023	19	149.17	92.61	68.44	13.86
3/9/2023	20	148.26	90.88	70.10	13.34
3/9/2023	21	144.08	88.59	71.87	12.55
3/9/2023	22	133.76	86.18	71.66	11.65
3/9/2023	23	122.63	84.31	70.87	11.16
3/9/2023	24	116.48	83.05	57.13	11.00
3/10/2023	1	111.48	82.12	63.86	10.97
3/10/2023	2	109.19	81.70	69.11	11.00

3/10/2023	3	109.32	82.19	68.91	11.11
3/10/2023	4	111.44	83.36	69.31	11.39
3/10/2023	5	116.98	85.75	72.65	12.32
3/10/2023	6	126.98	89.80	72.97	14.27
3/10/2023	7	135.52	93.67	81.50	15.83
3/10/2023	8	134.19	97.78	82.77	17.01
3/10/2023	9	134.07	101.00	84.17	17.24
3/10/2023	10	134.98	102.46	83.10	17.51
3/10/2023	11	133.33	103.54	83.28	17.53
3/10/2023	12	134.52	103.08	81.26	17.38
3/10/2023	13	133.50	102.70	80.17	16.88
3/10/2023	14	131.88	101.85	79.73	16.31
3/10/2023	15	132.94	100.10	76.29	15.20
3/10/2023	16	139.03	98.28	73.08	14.41
3/10/2023	17	147.08	94.93	68.86	13.71
3/10/2023	18	149.99	93.03	68.83	13.11
3/10/2023	19	150.41	93.28	64.35	13.19
3/10/2023	20	147.95	91.08	56.27	12.91
3/10/2023	21	144.30	89.04	53.49	12.20
3/10/2023	22	137.32	86.83	51.49	11.62
3/10/2023	23	127.94	84.19	48.73	11.20
3/10/2023	24	118.26	82.15	44.78	10.94
3/11/2023	1	113.56	81.34	46.25	11.02
3/11/2023	2	109.96	80.87	45.72	10.82
3/11/2023	3	108.46	80.77	45.63	10.88
3/11/2023	4	108.66	81.48	46.22	10.90
3/11/2023	5	111.24	82.76	47.22	11.03
3/11/2023	6	117.28	85.13	48.20	11.28
3/11/2023	7	127.99	86.13	46.71	11.43
3/11/2023	8	136.70	88.09	46.53	11.64
3/11/2023	9	138.97	90.33	45.84	11.66
3/11/2023	10	137.87	91.87	45.80	11.92
3/11/2023	11	135.28	92.37	45.02	11.93
3/11/2023	12	132.47	91.33	42.89	11.68
3/11/2023	13	128.44	90.26	41.43	11.55
3/11/2023	14	124.78	89.72	40.66	11.44
3/11/2023	15	123.66	88.56	40.77	11.46
3/11/2023	16	125.99	87.95	39.81	11.39
3/11/2023	17	132.16	87.78	38.69	11.51
3/11/2023	18	138.03	88.01	39.75	11.62
3/11/2023	19	142.67	89.48	40.27	11.70
3/11/2023	20	140.36	88.04	40.73	11.82
3/11/2023	21	136.33	86.38	41.31	11.48
3/11/2023	22	130.26	84.28	39.78	11.10
3/11/2023	23	122.27	82.22	37.92	10.90
3/11/2023	24	117.57	81.78	43.59	10.88
3/12/2023	1	110.33	80.52	38.37	10.68
3/12/2023	2	110.33	80.52	38.37	10.68
3/12/2023	3	79.37	60.02	28.71	8.10
3/12/2023	4	105.50	80.48	38.56	10.82
3/12/2023	5	105.64	81.25	38.91	10.75
3/12/2023	6	104.35	82.36	39.17	11.06

3/12/2023	7	114.63	85.08	39.30	11.40
3/12/2023	8	125.81	86.56	39.14	11.39
3/12/2023	9	136.80	88.38	39.50	11.29
3/12/2023	10	143.96	89.85	40.75	11.26
3/12/2023	11	148.37	90.88	40.86	11.48
3/12/2023	12	151.40	90.65	41.05	11.58
3/12/2023	13	152.33	89.60	42.72	11.66
3/12/2023	14	151.82	89.34	42.63	11.64
3/12/2023	15	151.64	88.90	41.88	11.56
3/12/2023	16	151.89	88.03	43.52	11.91
3/12/2023	17	155.48	87.38	44.27	11.76
3/12/2023	18	158.16	86.41	42.67	11.67
3/12/2023	19	161.13	86.58	46.00	11.76
3/12/2023	20	163.18	87.43	42.75	11.99
3/12/2023	21	158.11	86.38	49.21	11.73
3/12/2023	22	146.43	84.73	56.22	11.49
3/12/2023	23	133.43	83.57	58.62	11.35
3/12/2023	24	125.37	83.27	65.74	11.37
3/13/2023	1	115.97	81.81	63.33	11.42
3/13/2023	2	112.42	81.62	62.67	11.22
3/13/2023	3	111.59	81.81	61.78	11.28
3/13/2023	4	113.35	82.90	61.62	11.48
3/13/2023	5	118.20	85.35	67.45	12.31
3/13/2023	6	129.11	89.52	77.49	14.40
3/13/2023	7	137.02	95.19	83.72	16.85
3/13/2023	8	136.45	100.15	88.58	18.53
3/13/2023	9	135.95	102.86	91.67	18.90
3/13/2023	10	134.07	104.65	93.04	19.31
3/13/2023	11	133.77	105.32	92.58	19.04
3/13/2023	12	132.34	104.59	92.62	18.74
3/13/2023	13	132.00	104.66	92.79	18.44
3/13/2023	14	133.23	104.12	91.33	18.06
3/13/2023	15	135.12	102.90	86.12	16.86
3/13/2023	16	143.31	100.52	83.75	15.70
3/13/2023	17	155.34	96.92	78.84	15.11
3/13/2023	18	164.71	94.19	76.89	14.74
3/13/2023	19	168.46	92.72	77.31	14.53
3/13/2023	20	170.07	92.81	78.47	14.23
3/13/2023	21	167.52	91.19	76.75	13.36
3/13/2023	22	157.21	89.30	77.46	12.50
3/13/2023	23	143.97	87.13	75.08	11.93
3/13/2023	24	133.16	85.63	75.35	11.75
3/14/2023	1	126.67	84.71	73.13	11.77
3/14/2023	2	122.99	84.26	71.32	11.67
3/14/2023	3	121.96	84.02	71.30	11.62
3/14/2023	4	123.08	85.18	71.18	11.77
3/14/2023	5	127.44	87.85	75.07	12.61
3/14/2023	6	137.56	92.25	80.46	14.94
3/14/2023	7	144.94	97.79	84.04	17.59
3/14/2023	8	143.34	102.85	88.64	19.50
3/14/2023	9	141.44	106.02	89.51	19.75
3/14/2023	10	140.40	107.95	87.95	19.89

3/14/2023	11	138.90	108.11	89.92	19.66
3/14/2023	12	136.54	107.02	90.11	19.36
3/14/2023	13	132.93	106.17	91.42	18.72
3/14/2023	14	130.29	105.32	91.58	18.06
3/14/2023	15	130.56	103.45	86.82	16.79
3/14/2023	16	134.56	100.62	83.71	15.64
3/14/2023	17	142.75	96.34	78.69	14.76
3/14/2023	18	150.40	93.03	68.76	14.27
3/14/2023	19	154.50	91.51	67.62	14.17
3/14/2023	20	161.64	92.19	65.76	14.14
3/14/2023	21	162.89	90.72	69.62	12.94
3/14/2023	22	153.59	88.62	78.28	12.17
3/14/2023	23	141.94	86.50	78.31	11.80
3/14/2023	24	127.03	84.52	75.23	11.35
3/15/2023	1	126.47	84.63	75.70	11.52
3/15/2023	2	124.20	84.53	73.06	11.47
3/15/2023	3	124.30	84.87	73.91	11.59
3/15/2023	4	126.07	85.94	73.38	11.67
3/15/2023	5	131.95	88.72	77.77	12.65
3/15/2023	6	142.94	93.54	83.65	15.04
3/15/2023	7	151.42	98.86	88.29	17.65
3/15/2023	8	149.92	103.79	88.93	19.56
3/15/2023	9	143.72	106.10	88.40	19.90
3/15/2023	10	137.37	107.66	89.66	19.74
3/15/2023	11	131.87	107.06	89.97	19.14
3/15/2023	12	127.46	105.79	89.05	18.63
3/15/2023	13	122.64	104.55	88.22	18.00
3/15/2023	14	118.53	103.24	86.65	17.22
3/15/2023	15	114.74	101.33	85.11	16.16
3/15/2023	16	116.37	98.16	80.63	14.78
3/15/2023	17	122.45	94.18	78.27	13.97
3/15/2023	18	130.10	91.16	77.92	13.41
3/15/2023	19	135.61	89.58	76.25	13.33
3/15/2023	20	141.63	89.35	76.21	13.33
3/15/2023	21	140.85	86.64	77.21	12.47
3/15/2023	22	132.54	84.59	75.41	11.73
3/15/2023	23	121.57	82.52	72.18	10.97
3/15/2023	24	110.92	81.25	72.45	10.81
3/16/2023	1	106.92	80.90	70.74	10.70
3/16/2023	2	103.90	80.50	71.79	10.76
3/16/2023	3	104.17	80.93	70.86	10.82
3/16/2023	4	105.59	81.98	72.12	10.93
3/16/2023	5	110.08	84.70	76.05	11.66
3/16/2023	6	120.31	89.04	81.76	13.84
3/16/2023	7	128.41	94.68	88.80	16.32
3/16/2023	8	126.96	99.22	93.21	18.12
3/16/2023	9	124.16	102.28	93.26	18.42
3/16/2023	10	121.62	104.35	95.20	18.37
3/16/2023	11	118.85	104.99	94.19	18.15
3/16/2023	12	117.62	104.56	92.64	17.62
3/16/2023	13	116.39	103.96	94.53	17.19
3/16/2023	14	116.37	103.10	93.32	16.81

3/16/2023	15	118.95	101.72	89.66	15.97
3/16/2023	16	125.77	98.77	84.69	14.86
3/16/2023	17	133.77	94.80	82.28	13.87
3/16/2023	18	139.41	92.07	80.37	13.41
3/16/2023	19	141.64	90.86	79.65	13.29
3/16/2023	20	142.22	89.68	79.17	13.16
3/16/2023	21	139.43	86.74	78.38	12.19
3/16/2023	22	129.43	83.95	77.55	11.45
3/16/2023	23	116.45	81.50	74.72	10.93
3/16/2023	24	112.52	81.24	70.41	10.78
3/17/2023	1	98.83	78.82	72.72	10.46
3/17/2023	2	94.81	78.48	70.55	10.42
3/17/2023	3	93.04	78.53	71.39	10.55
3/17/2023	4	93.97	79.88	69.37	10.65
3/17/2023	5	99.13	82.42	74.08	11.41
3/17/2023	6	109.94	87.21	77.07	13.53
3/17/2023	7	120.31	93.49	81.87	15.55
3/17/2023	8	124.26	99.30	84.52	17.28
3/17/2023	9	128.60	103.07	86.14	17.61
3/17/2023	10	133.43	105.12	85.61	17.84
3/17/2023	11	136.39	105.74	88.53	17.64
3/17/2023	12	138.30	105.31	86.28	17.18
3/17/2023	13	137.59	104.96	86.35	16.81
3/17/2023	14	135.97	103.51	85.16	16.31
3/17/2023	15	136.59	101.82	81.07	15.39
3/17/2023	16	140.11	98.71	76.87	14.44
3/17/2023	17	143.83	94.94	75.30	13.60
3/17/2023	18	145.15	92.05	74.66	12.99
3/17/2023	19	146.68	90.77	68.81	12.72
3/17/2023	20	151.34	91.58	62.13	12.99
3/17/2023	21	152.50	90.34	66.08	12.62
3/17/2023	22	148.83	88.36	64.84	12.03
3/17/2023	23	141.18	86.02	62.10	11.52
3/17/2023	24	136.89	85.16	56.94	11.64
3/18/2023	1	127.89	83.83	58.98	11.41
3/18/2023	2	124.88	83.29	59.51	11.42
3/18/2023	3	124.56	83.62	59.87	11.64
3/18/2023	4	126.26	84.56	60.10	11.70
3/18/2023	5	128.97	86.22	62.37	11.90
3/18/2023	6	134.04	88.37	62.85	12.14
3/18/2023	7	142.01	91.29	62.89	12.52
3/18/2023	8	154.07	93.72	62.66	12.76
3/18/2023	9	165.54	95.91	62.42	13.02
3/18/2023	10	173.46	98.40	63.79	13.31
3/18/2023	11	177.49	99.42	62.75	13.42
3/18/2023	12	178.45	98.74	61.36	13.26
3/18/2023	13	176.71	98.22	61.37	13.19
3/18/2023	14	173.61	96.87	61.12	12.92
3/18/2023	15	171.21	96.17	60.35	12.73
3/18/2023	16	170.41	95.24	60.19	12.79
3/18/2023	17	170.86	93.93	59.03	12.83
3/18/2023	18	170.84	93.27	58.46	12.66

3/18/2023	19	172.49	92.90	57.73	12.54
3/18/2023	20	175.47	94.01	52.75	13.04
3/18/2023	21	173.34	92.95	51.74	12.64
3/18/2023	22	166.41	90.87	50.21	12.46
3/18/2023	23	156.43	88.51	49.37	12.22
3/18/2023	24	141.76	86.00	51.95	11.80
3/19/2023	1	139.80	85.82	49.06	11.88
3/19/2023	2	135.15	85.16	49.04	11.86
3/19/2023	3	132.09	84.90	48.47	11.87
3/19/2023	4	130.26	85.13	50.77	11.92
3/19/2023	5	130.84	85.92	48.66	12.05
3/19/2023	6	133.09	87.32	47.69	12.07
3/19/2023	7	139.10	89.56	47.45	12.06
3/19/2023	8	149.56	90.09	49.31	12.12
3/19/2023	9	157.73	91.40	49.65	12.19
3/19/2023	10	159.46	92.75	50.16	12.17
3/19/2023	11	157.54	93.10	50.04	11.95
3/19/2023	12	156.23	92.57	50.15	11.96
3/19/2023	13	154.01	91.99	50.37	12.09
3/19/2023	14	150.63	90.75	49.88	12.08
3/19/2023	15	147.24	89.85	50.01	11.81
3/19/2023	16	144.39	89.13	49.37	11.83
3/19/2023	17	144.27	87.32	48.78	11.63
3/19/2023	18	144.94	86.07	47.53	11.42
3/19/2023	19	147.91	85.47	50.86	11.21
3/19/2023	20	155.95	86.93	49.14	11.81
3/19/2023	21	156.89	86.57	56.88	11.70
3/19/2023	22	147.80	85.58	60.54	11.46
3/19/2023	23	136.05	84.13	62.29	11.37
3/19/2023	24	122.22	82.72	63.81	11.11
3/20/2023	1	120.54	82.67	61.57	11.27
3/20/2023	2	117.80	82.38	62.72	11.25
3/20/2023	3	116.99	82.62	63.26	11.39
3/20/2023	4	119.03	83.87	64.38	11.64
3/20/2023	5	123.66	86.53	69.10	12.56
3/20/2023	6	132.13	90.43	76.48	14.39
3/20/2023	7	139.16	96.07	83.66	15.88
3/20/2023	8	140.15	99.89	88.59	16.88
3/20/2023	9	137.42	102.50	89.57	17.06
3/20/2023	10	134.50	103.98	89.82	17.15
3/20/2023	11	131.92	104.25	91.96	16.76
3/20/2023	12	128.77	103.34	93.09	16.43
3/20/2023	13	125.05	102.69	92.92	15.85
3/20/2023	14	120.37	101.60	92.60	15.36
3/20/2023	15	117.82	99.37	88.82	14.51
3/20/2023	16	119.25	95.76	82.90	13.48
3/20/2023	17	128.49	92.13	79.71	12.74
3/20/2023	18	136.02	89.21	77.98	12.49
3/20/2023	19	139.08	87.31	76.76	12.17
3/20/2023	20	140.90	87.69	75.94	12.07
3/20/2023	21	138.92	86.34	76.90	11.57
3/20/2023	22	130.21	84.57	76.83	11.04

3/20/2023	23	119.03	82.54	73.71	10.61
3/20/2023	24	108.33	80.74	72.32	10.45
3/21/2023	1	105.19	80.64	71.77	10.50
3/21/2023	2	102.73	80.64	70.74	10.48
3/21/2023	3	102.20	80.79	71.42	10.49
3/21/2023	4	103.51	81.66	72.25	10.67
3/21/2023	5	108.38	84.38	75.53	11.53
3/21/2023	6	116.85	88.96	82.59	13.29
3/21/2023	7	123.71	94.53	86.54	15.09
3/21/2023	8	124.58	98.80	90.08	16.07
3/21/2023	9	122.42	101.37	91.27	16.29
3/21/2023	10	118.80	103.13	88.89	16.26
3/21/2023	11	115.47	103.49	89.47	15.97
3/21/2023	12	111.99	102.12	92.22	15.57
3/21/2023	13	107.75	101.52	92.60	15.20
3/21/2023	14	104.31	100.43	90.62	14.84
3/21/2023	15	103.82	98.71	88.00	14.01
3/21/2023	16	107.65	95.52	83.00	12.99
3/21/2023	17	115.84	91.39	78.02	12.30
3/21/2023	18	123.57	88.42	72.67	12.03
3/21/2023	19	127.92	86.79	75.28	11.77
3/21/2023	20	131.44	86.98	76.68	11.87
3/21/2023	21	130.16	85.44	75.60	11.45
3/21/2023	22	122.09	83.41	74.82	10.89
3/21/2023	23	111.63	81.46	73.34	10.42
3/21/2023	24	102.19	73.79	71.19	10.27
3/22/2023	1	98.07	79.12	71.03	10.14
3/22/2023	2	95.82	79.00	69.99	10.05
3/22/2023	3	95.49	79.20	69.08	10.25
3/22/2023	4	97.34	80.04	70.05	10.29
3/22/2023	5	101.40	81.96	74.33	11.00
3/22/2023	6	109.33	86.72	79.94	12.80
3/22/2023	7	115.95	92.04	85.89	14.55
3/22/2023	8	116.84	96.89	87.49	15.58
3/22/2023	9	117.62	100.26	89.44	15.90
3/22/2023	10	118.51	101.82	91.20	16.08
3/22/2023	11	118.49	102.92	89.60	15.99
3/22/2023	12	118.27	102.04	91.03	15.71
3/22/2023	13	116.40	101.35	91.31	15.26
3/22/2023	14	114.67	100.85	88.03	15.10
3/22/2023	15	114.12	99.14	86.87	14.24
3/22/2023	16	118.51	95.93	83.23	13.38
3/22/2023	17	126.57	92.25	80.35	12.64
3/22/2023	18	131.30	89.52	78.84	12.40
3/22/2023	19	131.88	88.21	73.06	12.00
3/22/2023	20	131.95	87.40	70.28	11.87
3/22/2023	21	128.83	85.19	69.39	11.23
3/22/2023	22	119.54	83.32	77.68	10.65
3/22/2023	23	107.60	81.09	76.93	10.29
3/22/2023	24	101.94	79.98	71.78	10.29
3/23/2023	1	92.60	78.70	74.29	10.04
3/23/2023	2	88.96	78.13	73.67	9.99

3/23/2023	3	88.12	78.32	73.02	9.98
3/23/2023	4	88.86	79.13	71.81	9.96
3/23/2023	5	92.38	81.58	74.69	10.59
3/23/2023	6	100.69	86.09	80.33	12.52
3/23/2023	7	109.88	92.51	85.51	14.22
3/23/2023	8	113.30	97.41	89.35	15.52
3/23/2023	9	114.63	100.48	89.76	15.82
3/23/2023	10	116.28	102.63	91.13	15.98
3/23/2023	11	116.59	102.73	88.39	16.00
3/23/2023	12	117.12	102.36	88.62	15.65
3/23/2023	13	115.67	101.84	89.00	15.31
3/23/2023	14	114.20	101.42	87.54	14.95
3/23/2023	15	114.96	99.58	83.68	14.17
3/23/2023	16	117.22	95.97	80.52	13.55
3/23/2023	17	122.80	90.91	78.29	12.77
3/23/2023	18	128.49	89.33	74.54	12.17
3/23/2023	19	133.26	88.15	65.13	12.01
3/23/2023	20	138.07	88.38	63.34	12.16
3/23/2023	21	139.00	87.11	63.66	11.71
3/23/2023	22	132.48	85.09	63.38	11.04
3/23/2023	23	122.34	83.21	59.84	10.83
3/23/2023	24	112.62	81.04	63.68	10.50
3/24/2023	1	106.76	80.15	67.18	10.43
3/24/2023	2	103.66	75.27	66.10	10.42
3/24/2023	3	102.52	77.41	66.60	10.55
3/24/2023	4	103.73	80.62	65.82	10.73
3/24/2023	5	108.12	83.39	69.56	11.33
3/24/2023	6	116.17	87.55	72.98	13.12
3/24/2023	7	123.14	92.76	77.16	14.69
3/24/2023	8	126.30	96.55	77.79	15.67
3/24/2023	9	128.29	99.11	79.39	15.84
3/24/2023	10	128.06	101.26	80.88	15.99
3/24/2023	11	126.40	102.01	81.23	15.58
3/24/2023	12	124.33	101.50	80.14	15.15
3/24/2023	13	120.40	101.01	81.29	14.64
3/24/2023	14	115.36	99.54	79.18	14.21
3/24/2023	15	112.67	98.00	75.11	13.45
3/24/2023	16	114.52	94.88	72.23	12.67
3/24/2023	17	119.72	91.39	68.37	11.91
3/24/2023	18	123.44	88.95	67.45	11.44
3/24/2023	19	127.12	87.75	66.01	11.38
3/24/2023	20	130.62	87.96	59.05	11.70
3/24/2023	21	131.38	86.53	60.87	11.25
3/24/2023	22	127.27	84.33	59.75	10.76
3/24/2023	23	119.30	81.77	55.11	10.51
3/24/2023	24	115.57	80.92	49.87	10.60
3/25/2023	1	107.35	79.80	53.45	10.43
3/25/2023	2	104.75	79.53	53.41	10.34
3/25/2023	3	103.39	79.45	53.50	10.43
3/25/2023	4	103.21	79.88	49.82	10.47
3/25/2023	5	105.08	81.43	51.94	10.61
3/25/2023	6	108.34	83.39	55.86	10.96

3/25/2023	7	114.30	85.50	57.21	11.29
3/25/2023	8	123.78	87.84	57.58	11.34
3/25/2023	9	133.05	89.71	57.99	11.31
3/25/2023	10	138.54	91.04	56.48	11.67
3/25/2023	11	141.74	92.48	56.96	11.72
3/25/2023	12	144.15	92.64	50.00	11.62
3/25/2023	13	144.87	92.38	47.05	11.75
3/25/2023	14	146.59	92.24	46.96	11.79
3/25/2023	15	147.92	91.88	45.79	11.67
3/25/2023	16	149.08	91.20	44.97	11.96
3/25/2023	17	151.41	90.17	43.92	11.80
3/25/2023	18	152.62	89.67	42.80	11.76
3/25/2023	19	152.00	88.70	42.14	11.43
3/25/2023	20	150.16	88.76	41.73	11.64
3/25/2023	21	147.30	87.70	41.60	11.67
3/25/2023	22	140.79	85.83	40.15	11.52
3/25/2023	23	132.39	83.61	39.50	11.14
3/25/2023	24	118.90	81.51	44.11	10.95
3/26/2023	1	116.60	81.58	40.01	10.93
3/26/2023	2	112.33	81.02	39.96	10.79
3/26/2023	3	110.23	80.71	39.08	10.91
3/26/2023	4	109.55	81.11	38.15	10.84
3/26/2023	5	110.59	81.98	38.16	10.83
3/26/2023	6	114.06	83.62	38.27	11.15
3/26/2023	7	121.61	85.83	38.76	11.39
3/26/2023	8	132.79	86.37	38.91	11.12
3/26/2023	9	139.59	88.08	39.31	11.21
3/26/2023	10	140.54	89.01	39.58	11.27
3/26/2023	11	139.52	88.70	39.29	11.00
3/26/2023	12	139.31	88.43	38.83	11.02
3/26/2023	13	140.53	87.81	39.65	10.95
3/26/2023	14	135.02	86.87	40.27	10.89
3/26/2023	15	130.88	86.01	39.86	10.68
3/26/2023	16	131.12	85.36	39.75	10.76
3/26/2023	17	136.33	84.76	40.16	10.91
3/26/2023	18	142.27	84.55	39.62	10.94
3/26/2023	19	146.09	84.83	45.50	11.16
3/26/2023	20	145.91	84.69	43.30	11.50
3/26/2023	21	140.61	83.72	49.07	11.16
3/26/2023	22	129.43	82.33	57.26	10.82
3/26/2023	23	116.06	80.70	58.30	10.67
3/26/2023	24	108.26	80.33	61.62	10.69
3/27/2023	1	100.99	79.38	58.24	10.54
3/27/2023	2	98.71	79.01	58.87	10.62
3/27/2023	3	98.20	79.15	58.13	10.81
3/27/2023	4	99.29	80.12	58.32	10.96
3/27/2023	5	104.51	82.87	62.92	11.78
3/27/2023	6	116.40	87.57	68.92	13.87
3/27/2023	7	125.07	93.36	78.45	16.28
3/27/2023	8	124.06	98.11	83.09	17.90
3/27/2023	9	122.90	100.91	84.52	18.34
3/27/2023	10	121.40	102.18	87.15	18.42

3/27/2023	11	118.55	102.13	88.44	18.04
3/27/2023	12	115.84	101.07	88.28	17.56
3/27/2023	13	112.67	100.36	90.04	17.12
3/27/2023	14	109.91	99.42	89.91	16.56
3/27/2023	15	108.77	98.31	85.23	15.46
3/27/2023	16	111.77	95.24	83.25	14.12
3/27/2023	17	118.66	91.13	78.01	13.18
3/27/2023	18	124.73	88.09	77.05	12.73
3/27/2023	19	130.01	86.45	75.38	12.34
3/27/2023	20	138.13	87.31	78.79	12.43
3/27/2023	21	141.22	86.48	76.82	12.19
3/27/2023	22	133.88	84.40	75.56	11.52
3/27/2023	23	122.48	82.73	75.09	11.01
3/27/2023	24	111.93	81.27	73.25	10.76
3/28/2023	1	107.98	80.90	71.99	10.81
3/28/2023	2	106.57	80.66	71.48	10.79
3/28/2023	3	106.95	81.01	70.79	10.92
3/28/2023	4	109.20	82.07	72.62	11.26
3/28/2023	5	115.01	85.10	77.17	11.77
3/28/2023	6	126.14	89.66	85.52	13.83
3/28/2023	7	134.51	95.10	89.99	16.40
3/28/2023	8	131.05	98.90	93.73	17.94
3/28/2023	9	127.50	101.26	92.05	18.33
3/28/2023	10	124.29	103.19	88.35	18.47
3/28/2023	11	120.59	103.15	94.19	18.03
3/28/2023	12	117.71	101.94	93.46	17.63
3/28/2023	13	115.14	101.94	92.31	17.08
3/28/2023	14	111.31	100.95	93.94	16.42
3/28/2023	15	108.87	99.53	90.48	15.24
3/28/2023	16	110.56	96.32	85.45	13.74
3/28/2023	17	115.81	91.93	80.73	12.71
3/28/2023	18	120.67	88.74	80.45	12.10
3/28/2023	19	124.66	86.52	80.01	12.02
3/28/2023	20	132.41	86.62	80.46	12.03
3/28/2023	21	136.47	85.92	81.31	11.78
3/28/2023	22	130.03	84.16	80.62	11.08
3/28/2023	23	118.30	82.22	77.07	10.69
3/28/2023	24	113.90	81.79	76.33	10.72
3/29/2023	1	104.93	80.21	74.95	10.43
3/29/2023	2	102.63	79.72	73.85	10.40
3/29/2023	3	102.45	79.99	70.95	10.48
3/29/2023	4	104.33	81.07	69.82	10.57
3/29/2023	5	109.56	83.76	75.74	11.26
3/29/2023	6	120.16	88.37	82.08	13.41
3/29/2023	7	129.22	93.82	86.09	15.97
3/29/2023	8	127.76	98.40	88.22	17.73
3/29/2023	9	126.10	101.97	89.14	18.00
3/29/2023	10	125.47	104.36	90.02	18.31
3/29/2023	11	127.34	105.95	91.58	18.32
3/29/2023	12	130.50	105.91	89.85	18.13
3/29/2023	13	130.03	106.13	91.54	17.61
3/29/2023	14	127.73	104.18	90.01	17.05

3/29/2023	15	125.71	102.18	87.54	16.00
3/29/2023	16	128.03	98.89	83.29	14.74
3/29/2023	17	133.55	94.46	78.95	13.76
3/29/2023	18	137.93	91.59	77.16	13.24
3/29/2023	19	141.88	90.09	75.28	12.79
3/29/2023	20	149.71	90.51	75.49	12.92
3/29/2023	21	154.24	89.43	78.39	12.63
3/29/2023	22	147.28	87.54	77.44	12.06
3/29/2023	23	135.95	85.76	74.68	11.49
3/29/2023	24	121.63	83.41	74.51	11.10
3/30/2023	1	122.15	83.63	74.80	11.17
3/30/2023	2	120.41	83.46	74.78	11.14
3/30/2023	3	120.61	83.76	71.98	11.24
3/30/2023	4	123.19	84.90	73.71	11.50
3/30/2023	5	128.02	87.93	79.03	12.27
3/30/2023	6	138.55	92.46	83.30	14.45
3/30/2023	7	146.92	97.75	88.46	17.00
3/30/2023	8	144.41	101.90	91.53	18.71
3/30/2023	9	139.42	104.91	92.69	18.70
3/30/2023	10	134.13	105.92	93.29	18.74
3/30/2023	11	131.61	106.12	92.90	18.51
3/30/2023	12	129.27	105.24	92.09	18.12
3/30/2023	13	123.09	104.35	92.21	17.36
3/30/2023	14	116.87	103.06	91.43	16.67
3/30/2023	15	112.56	100.73	86.54	15.33
3/30/2023	16	113.91	97.12	81.52	14.01
3/30/2023	17	121.77	93.09	77.82	13.02
3/30/2023	18	127.71	90.34	75.82	12.40
3/30/2023	19	131.47	88.31	75.94	12.11
3/30/2023	20	136.14	88.16	76.39	12.18
3/30/2023	21	136.90	86.46	76.11	11.74
3/30/2023	22	128.03	84.06	74.73	11.04
3/30/2023	23	115.98	81.87	73.74	10.41
3/30/2023	24	98.80	79.48	68.78	10.24
3/31/2023	1	96.11	78.81	71.44	10.01
3/31/2023	2	91.94	77.94	69.68	9.96
3/31/2023	3	90.11	78.02	69.66	9.98
3/31/2023	4	90.29	78.67	70.95	10.07
3/31/2023	5	93.52	80.88	72.98	10.67
3/31/2023	6	98.60	84.47	79.42	12.61
3/31/2023	7	106.59	89.74	85.15	14.53
3/31/2023	8	109.58	94.37	88.50	15.73
3/31/2023	9	110.08	97.73	89.99	15.92
3/31/2023	10	110.08	99.75	90.51	16.16
3/31/2023	11	108.87	100.69	88.49	15.92
3/31/2023	12	108.09	100.41	84.29	15.59
3/31/2023	13	106.28	100.53	84.87	15.22
3/31/2023	14	101.90	99.84	86.42	14.69
3/31/2023	15	100.37	98.45	83.63	13.68
3/31/2023	16	101.55	96.47	78.48	12.65
3/31/2023	17	106.79	93.18	75.34	11.69
3/31/2023	18	110.71	90.72	73.05	11.19

3/31/2023	19	112.01	88.85	70.76	11.21
3/31/2023	20	110.80	87.77	63.01	11.34
3/31/2023	21	108.58	86.39	62.96	11.17
3/31/2023	22	101.98	83.94	63.98	10.65
3/31/2023	23	94.27	79.99	60.67	10.40
3/31/2023	24	97.59	79.01	55.52	10.40
4/1/2023	1	84.08	77.45	58.48	10.13
4/1/2023	2	82.22	76.82	59.57	10.12
4/1/2023	3	82.81	76.83	58.77	10.12
4/1/2023	4	83.49	77.05	58.66	10.10
4/1/2023	5	85.71	78.24	58.26	10.04
4/1/2023	6	89.72	80.33	58.59	10.26
4/1/2023	7	97.41	82.65	59.46	10.62
4/1/2023	8	112.82	85.77	60.63	10.86
4/1/2023	9	125.48	88.21	60.52	11.35
4/1/2023	10	134.04	90.22	61.78	11.61
4/1/2023	11	140.37	91.65	60.83	11.74
4/1/2023	12	144.11	91.90	55.17	12.06
4/1/2023	13	142.02	91.57	52.86	11.83
4/1/2023	14	140.68	90.84	52.07	11.64
4/1/2023	15	141.91	90.73	50.38	11.56
4/1/2023	16	146.59	90.50	49.56	11.51
4/1/2023	17	152.42	89.98	48.51	11.63
4/1/2023	18	152.78	89.03	47.81	11.46
4/1/2023	19	151.57	88.02	47.03	11.33
4/1/2023	20	151.06	88.34	46.89	11.56
4/1/2023	21	148.97	87.54	46.05	11.51
4/1/2023	22	141.64	85.41	46.25	11.27
4/1/2023	23	132.18	83.13	46.94	11.01
4/1/2023	24	117.04	81.07	49.52	10.72
4/2/2023	1	115.44	80.63	45.75	10.78
4/2/2023	2	111.60	80.09	43.88	10.89
4/2/2023	3	110.37	80.34	44.29	11.02
4/2/2023	4	110.84	80.79	45.20	11.02
4/2/2023	5	112.79	82.04	46.07	11.02
4/2/2023	6	117.46	83.84	46.59	11.42
4/2/2023	7	125.92	85.67	46.79	11.30
4/2/2023	8	137.82	86.40	46.67	10.91
4/2/2023	9	142.46	87.82	46.43	11.05
4/2/2023	10	141.95	89.16	46.94	11.07
4/2/2023	11	140.28	89.61	47.80	11.07
4/2/2023	12	137.89	88.97	48.14	11.29
4/2/2023	13	133.96	88.14	48.02	11.24
4/2/2023	14	128.90	87.18	48.15	10.94
4/2/2023	15	124.70	86.50	47.55	10.63
4/2/2023	16	122.80	85.72	46.54	10.48
4/2/2023	17	123.38	84.25	46.94	10.38
4/2/2023	18	125.74	83.26	45.80	10.38
4/2/2023	19	129.65	82.42	49.85	10.31
4/2/2023	20	135.14	82.78	48.43	10.49
4/2/2023	21	135.39	82.92	56.71	10.71
4/2/2023	22	125.71	81.69	60.63	10.52

4/2/2023	23	112.56	80.06	60.87	10.39
4/2/2023	24	99.83	79.00	66.28	10.27
4/3/2023	1	95.22	77.93	65.76	10.08
4/3/2023	2	92.54	77.47	63.08	10.15
4/3/2023	3	91.66	77.80	63.54	10.36
4/3/2023	4	92.81	78.52	66.73	10.41
4/3/2023	5	97.81	81.38	71.46	11.12
4/3/2023	6	108.22	85.56	78.87	13.08
4/3/2023	7	116.58	90.49	82.20	14.89
4/3/2023	8	114.97	94.18	84.56	15.80
4/3/2023	9	111.66	97.53	82.83	16.09
4/3/2023	10	108.36	98.91	87.62	16.24
4/3/2023	11	108.49	100.05	89.13	16.11
4/3/2023	12	108.12	99.70	88.15	15.94
4/3/2023	13	106.52	99.82	86.86	15.49
4/3/2023	14	101.72	98.77	88.93	14.96
4/3/2023	15	99.60	96.67	83.69	14.09
4/3/2023	16	103.93	94.74	80.75	13.08
4/3/2023	17	112.95	90.71	77.83	12.30
4/3/2023	18	117.45	87.65	78.76	11.91
4/3/2023	19	122.32	86.07	78.10	11.85
4/3/2023	20	125.70	85.45	77.39	11.92
4/3/2023	21	123.39	84.12	75.34	11.48
4/3/2023	22	114.03	82.03	75.44	10.72
4/3/2023	23	102.76	80.05	73.40	10.29
4/3/2023	24	92.17	78.74	71.81	10.03
4/4/2023	1	88.57	77.18	70.32	10.00
4/4/2023	2	86.15	76.93	70.46	9.97
4/4/2023	3	85.97	77.44	71.50	9.93
4/4/2023	4	87.45	78.26	71.94	9.97
4/4/2023	5	92.12	80.66	75.40	10.72
4/4/2023	6	101.64	85.14	82.31	12.54
4/4/2023	7	109.55	90.27	89.07	14.40
4/4/2023	8	109.38	94.70	90.72	15.68
4/4/2023	9	108.97	98.67	87.99	16.06
4/4/2023	10	108.39	100.25	88.44	16.14
4/4/2023	11	106.64	100.67	88.86	16.19
4/4/2023	12	105.17	100.14	88.87	15.96
4/4/2023	13	102.65	99.99	90.00	15.45
4/4/2023	14	100.36	99.11	88.05	14.96
4/4/2023	15	101.88	98.07	87.73	14.07
4/4/2023	16	107.73	95.91	84.60	12.98
4/4/2023	17	115.62	92.74	81.14	12.28
4/4/2023	18	120.55	89.86	79.28	11.85
4/4/2023	19	119.94	87.73	76.12	11.61
4/4/2023	20	120.63	87.73	77.83	11.68
4/4/2023	21	118.85	86.67	75.76	11.18
4/4/2023	22	109.85	83.99	75.37	10.50
4/4/2023	23	97.21	81.48	73.19	10.18
4/4/2023	24	87.44	79.63	72.27	10.14
4/5/2023	1	78.62	79.07	72.34	9.74
4/5/2023	2	74.79	78.68	72.19	9.66

4/5/2023	3	72.49	79.01	72.53	9.54
4/5/2023	4	72.45	80.11	74.01	9.56
4/5/2023	5	74.14	82.60	77.20	10.08
4/5/2023	6	73.81	86.16	84.32	11.56
4/5/2023	7	76.79	85.13	87.37	13.48
4/5/2023	8	81.51	95.04	92.17	14.87
4/5/2023	9	84.29	99.72	91.57	15.92
4/5/2023	10	86.62	100.81	91.99	16.58
4/5/2023	11	88.71	100.18	92.64	16.93
4/5/2023	12	88.75	101.93	91.29	16.47
4/5/2023	13	89.66	101.94	94.07	16.13
4/5/2023	14	88.48	102.62	93.11	15.84
4/5/2023	15	88.61	101.69	88.88	14.90
4/5/2023	16	92.39	98.33	83.08	13.70
4/5/2023	17	101.59	92.36	78.90	12.70
4/5/2023	18	108.17	88.83	74.27	12.23
4/5/2023	19	110.47	86.64	71.66	12.08
4/5/2023	20	114.08	85.79	70.14	12.05
4/5/2023	21	118.23	84.61	73.49	11.83
4/5/2023	22	112.63	82.50	72.80	11.13
4/5/2023	23	102.69	80.77	70.22	10.65
4/5/2023	24	99.05	79.57	67.27	10.65
4/6/2023	1	92.46	78.59	67.64	10.61
4/6/2023	2	90.86	78.24	68.54	10.65
4/6/2023	3	91.36	78.59	69.37	10.65
4/6/2023	4	93.95	79.76	69.29	10.72
4/6/2023	5	100.35	82.43	72.04	11.33
4/6/2023	6	111.36	86.79	74.35	13.12
4/6/2023	7	121.16	92.04	80.75	15.03
4/6/2023	8	121.27	96.55	85.35	16.08
4/6/2023	9	118.80	100.12	87.09	16.36
4/6/2023	10	116.67	102.32	88.85	16.56
4/6/2023	11	114.46	102.74	87.84	16.50
4/6/2023	12	112.74	101.73	87.00	16.24
4/6/2023	13	110.49	101.31	87.77	15.81
4/6/2023	14	108.21	100.35	87.15	15.29
4/6/2023	15	106.24	98.65	81.83	14.38
4/6/2023	16	107.65	95.87	73.56	13.41
4/6/2023	17	111.97	91.82	72.63	12.58
4/6/2023	18	114.68	88.92	70.79	12.13
4/6/2023	19	117.33	87.39	73.45	11.90
4/6/2023	20	123.53	86.51	71.28	12.01
4/6/2023	21	129.82	86.06	68.78	11.70
4/6/2023	22	125.02	83.36	64.92	11.01
4/6/2023	23	114.17	81.59	61.69	10.61
4/6/2023	24	105.33	79.81	56.16	10.39
4/7/2023	1	100.46	78.86	59.18	10.40
4/7/2023	2	98.06	78.71	60.61	10.42
4/7/2023	3	97.62	78.81	60.85	10.45
4/7/2023	4	99.03	79.95	64.03	10.53
4/7/2023	5	103.63	82.20	55.65	11.32
4/7/2023	6	112.97	86.42	53.11	12.90

4/7/2023	7	122.65	90.19	63.56	14.16
4/7/2023	8	125.50	93.21	66.51	14.68
4/7/2023	9	124.48	96.50	65.99	14.80
4/7/2023	10	121.87	97.97	65.94	14.90
4/7/2023	11	118.63	98.05	67.34	14.40
4/7/2023	12	115.05	97.20	66.70	13.72
4/7/2023	13	111.65	96.37	66.30	13.47
4/7/2023	14	108.09	95.32	64.47	13.14
4/7/2023	15	105.03	93.87	62.27	12.60
4/7/2023	16	105.38	92.36	59.01	12.10
4/7/2023	17	107.19	89.77	58.27	11.32
4/7/2023	18	108.87	87.25	56.54	10.99
4/7/2023	19	110.72	85.43	52.60	10.72
4/7/2023	20	117.22	85.19	44.08	11.08
4/7/2023	21	123.29	85.08	42.52	11.03
4/7/2023	22	120.40	83.26	41.92	10.56
4/7/2023	23	112.72	81.07	40.27	10.36
4/7/2023	24	103.09	78.94	38.59	10.07
4/8/2023	1	100.51	78.42	40.14	10.25
4/8/2023	2	98.12	78.03	39.89	10.37
4/8/2023	3	97.26	77.91	39.79	10.24
4/8/2023	4	97.24	78.20	40.67	10.17
4/8/2023	5	99.58	79.54	41.06	10.34
4/8/2023	6	104.31	81.54	41.14	10.61
4/8/2023	7	113.91	82.89	40.01	10.60
4/8/2023	8	125.44	83.87	39.06	10.64
4/8/2023	9	131.42	86.93	39.98	10.87
4/8/2023	10	131.91	88.36	40.48	10.98
4/8/2023	11	129.09	89.28	40.40	10.99
4/8/2023	12	124.16	88.66	40.97	11.13
4/8/2023	13	117.70	88.41	40.84	10.76
4/8/2023	14	112.44	88.63	40.86	10.33
4/8/2023	15	108.03	88.32	40.11	10.13
4/8/2023	16	105.92	87.74	39.54	10.05
4/8/2023	17	106.06	86.50	39.17	9.90
4/8/2023	18	107.25	85.54	38.42	9.94
4/8/2023	19	108.63	83.89	37.67	9.73
4/8/2023	20	113.76	83.78	37.28	9.95
4/8/2023	21	117.89	82.87	37.07	10.15
4/8/2023	22	113.75	81.09	36.54	10.00
4/8/2023	23	105.26	79.13	36.39	9.89
4/8/2023	24	93.28	77.55	38.85	9.77
4/9/2023	1	91.82	76.84	34.18	9.94
4/9/2023	2	88.77	76.51	34.34	9.94
4/9/2023	3	88.02	76.60	33.89	9.93
4/9/2023	4	88.72	77.00	33.91	9.92
4/9/2023	5	90.96	78.22	34.15	9.99
4/9/2023	6	95.96	79.57	35.07	10.32
4/9/2023	7	107.29	80.70	34.65	10.47
4/9/2023	8	120.56	81.25	32.94	10.12
4/9/2023	9	129.36	82.73	33.23	10.04
4/9/2023	10	130.17	83.79	33.00	10.07

4/9/2023	11	128.71	84.60	33.66	10.04
4/9/2023	12	125.87	84.45	33.81	10.29
4/9/2023	13	118.85	84.06	34.00	10.04
4/9/2023	14	110.65	83.49	34.68	9.78
4/9/2023	15	105.16	82.98	35.22	9.59
4/9/2023	16	102.64	83.35	36.09	9.51
4/9/2023	17	102.47	82.94	35.45	9.54
4/9/2023	18	104.73	82.45	35.64	9.47
4/9/2023	19	108.68	75.83	41.09	9.41
4/9/2023	20	114.62	75.05	38.77	9.60
4/9/2023	21	116.44	80.72	40.58	9.87
4/9/2023	22	105.93	79.29	46.60	9.74
4/9/2023	23	92.33	77.88	48.65	9.54
4/9/2023	24	81.82	77.03	53.13	9.61
4/10/2023	1	78.38	76.16	49.58	9.56
4/10/2023	2	76.55	75.60	50.78	9.44
4/10/2023	3	76.59	75.96	50.68	9.54
4/10/2023	4	79.57	76.86	52.51	9.78
4/10/2023	5	86.17	79.95	59.94	10.68
4/10/2023	6	98.53	84.58	66.28	12.67
4/10/2023	7	108.12	89.09	72.24	14.85
4/10/2023	8	105.91	93.31	78.97	16.88
4/10/2023	9	102.40	96.84	82.73	17.39
4/10/2023	10	99.23	99.55	85.07	17.65
4/10/2023	11	96.68	100.48	84.92	17.43
4/10/2023	12	94.95	100.44	85.76	17.01
4/10/2023	13	92.08	101.15	85.34	16.50
4/10/2023	14	88.96	100.49	84.53	16.08
4/10/2023	15	87.56	99.09	80.55	15.15
4/10/2023	16	91.12	96.76	76.24	13.48
4/10/2023	17	97.65	93.05	74.00	12.62
4/10/2023	18	102.31	90.20	70.57	11.97
4/10/2023	19	105.58	87.72	69.56	11.60
4/10/2023	20	110.41	85.67	71.66	11.39
4/10/2023	21	113.46	84.03	69.46	11.03
4/10/2023	22	103.33	80.99	69.46	10.38
4/10/2023	23	89.69	78.82	66.12	9.84
4/10/2023	24	78.93	77.83	64.09	9.40
4/11/2023	1	74.20	76.27	63.28	9.40
4/11/2023	2	72.13	75.93	62.03	9.26
4/11/2023	3	72.28	76.17	62.14	9.24
4/11/2023	4	74.47	76.98	61.99	9.38
4/11/2023	5	80.21	79.47	66.96	10.08
4/11/2023	6	92.52	84.34	73.24	12.02
4/11/2023	7	101.69	89.05	77.45	14.39
4/11/2023	8	97.22	93.97	80.56	16.40
4/11/2023	9	92.06	98.35	82.38	17.09
4/11/2023	10	88.29	101.41	85.46	17.49
4/11/2023	11	86.26	102.73	88.72	17.35
4/11/2023	12	85.98	103.09	86.33	17.47
4/11/2023	13	84.49	104.26	90.87	17.13
4/11/2023	14	82.79	104.10	89.94	16.64

4/11/2023	15	83.62	103.43	87.77	15.36
4/11/2023	16	88.36	102.01	84.14	13.94
4/11/2023	17	95.26	98.42	79.71	12.88
4/11/2023	18	100.86	94.53	76.24	12.22
4/11/2023	19	104.15	92.01	73.18	11.86
4/11/2023	20	109.53	89.59	69.12	11.66
4/11/2023	21	112.15	87.18	71.04	11.11
4/11/2023	22	101.09	84.03	71.17	10.04
4/11/2023	23	86.50	81.51	71.37	9.38
4/11/2023	24	77.10	80.01	70.04	9.27
4/12/2023	1	69.61	78.63	67.85	9.12
4/12/2023	2	65.95	77.84	69.22	9.12
4/12/2023	3	64.72	77.66	67.90	9.22
4/12/2023	4	65.47	78.05	67.89	9.25
4/12/2023	5	69.64	80.43	69.63	9.74
4/12/2023	6	79.45	84.37	77.58	11.36
4/12/2023	7	88.02	88.98	84.15	14.02
4/12/2023	8	85.61	94.54	87.56	16.03
4/12/2023	9	84.21	100.06	90.75	16.72
4/12/2023	10	84.19	103.81	92.11	17.09
4/12/2023	11	84.56	106.36	89.41	17.55
4/12/2023	12	85.94	107.54	90.46	17.45
4/12/2023	13	86.31	108.38	89.99	17.23
4/12/2023	14	86.76	108.56	88.82	16.95
4/12/2023	15	88.94	108.41	84.28	15.72
4/12/2023	16	95.57	106.15	81.12	14.26
4/12/2023	17	103.94	103.08	78.92	13.30
4/12/2023	18	110.01	99.58	77.13	12.61
4/12/2023	19	113.08	96.30	74.96	12.08
4/12/2023	20	116.25	92.87	73.66	11.71
4/12/2023	21	119.19	90.13	72.92	11.25
4/12/2023	22	108.19	86.06	72.29	10.49
4/12/2023	23	92.60	82.97	71.13	9.95
4/12/2023	24	80.71	80.46	68.78	9.57
4/13/2023	1	71.98	78.73	69.27	9.35
4/13/2023	2	67.76	77.66	68.55	9.33
4/13/2023	3	65.46	77.45	67.21	9.18
4/13/2023	4	65.48	77.79	68.03	9.19
4/13/2023	5	68.97	79.98	72.95	9.76
4/13/2023	6	78.86	83.96	78.52	11.31
4/13/2023	7	87.29	88.71	84.45	13.79
4/13/2023	8	84.90	87.58	86.21	16.24
4/13/2023	9	83.86	80.22	84.75	17.40
4/13/2023	10	83.88	83.73	88.05	17.90
4/13/2023	11	84.49	88.85	89.36	18.12
4/13/2023	12	86.71	97.02	91.45	18.35
4/13/2023	13	88.40	103.86	93.18	18.10
4/13/2023	14	90.50	105.72	91.06	17.85
4/13/2023	15	94.87	108.70	86.95	16.61
4/13/2023	16	102.46	108.55	82.66	14.83
4/13/2023	17	112.33	105.42	78.26	13.74
4/13/2023	18	119.26	102.29	76.07	12.99

4/13/2023	19	121.82	99.07	71.23	12.67
4/13/2023	20	123.32	95.52	72.13	12.03
4/13/2023	21	124.93	90.99	72.81	11.21
4/13/2023	22	113.27	86.17	72.25	10.21
4/13/2023	23	96.18	82.52	69.94	9.77
4/13/2023	24	83.48	80.10	67.11	9.41
4/14/2023	1	73.63	77.84	68.47	9.26
4/14/2023	2	68.39	76.58	67.97	9.29
4/14/2023	3	65.96	76.39	67.31	9.18
4/14/2023	4	65.73	76.63	66.86	9.27
4/14/2023	5	69.09	77.83	70.56	9.73
4/14/2023	6	78.86	81.46	75.31	11.24
4/14/2023	7	87.59	85.53	81.69	13.49
4/14/2023	8	86.81	91.07	84.22	15.60
4/14/2023	9	86.36	98.22	88.26	16.86
4/14/2023	10	86.99	102.93	89.37	17.44
4/14/2023	11	88.13	107.20	91.20	17.53
4/14/2023	12	90.67	109.24	90.14	17.74
4/14/2023	13	93.08	111.22	84.97	17.61
4/14/2023	14	96.83	111.61	84.37	17.63
4/14/2023	15	102.87	110.81	81.57	16.16
4/14/2023	16	111.74	108.75	76.10	14.32
4/14/2023	17	119.51	105.43	72.02	13.18
4/14/2023	18	122.53	101.18	70.81	12.20
4/14/2023	19	121.39	97.97	70.98	11.47
4/14/2023	20	120.10	94.94	69.16	11.31
4/14/2023	21	120.97	92.31	66.91	10.79
4/14/2023	22	113.00	87.66	66.59	9.90
4/14/2023	23	99.92	83.32	62.40	9.44
4/14/2023	24	87.14	80.69	53.84	9.19
4/15/2023	1	77.56	78.97	58.44	9.19
4/15/2023	2	71.55	77.59	59.54	9.10
4/15/2023	3	67.78	77.29	59.27	8.99
4/15/2023	4	66.04	77.45	59.60	8.80
4/15/2023	5	66.07	78.70	61.93	9.05
4/15/2023	6	69.04	80.82	64.95	9.36
4/15/2023	7	76.59	82.61	63.58	9.35
4/15/2023	8	87.31	85.20	62.40	9.36
4/15/2023	9	95.64	89.55	62.95	9.73
4/15/2023	10	100.40	92.93	62.62	10.24
4/15/2023	11	103.71	95.52	66.84	10.49
4/15/2023	12	108.26	98.38	65.26	10.54
4/15/2023	13	113.43	100.21	66.24	11.03
4/15/2023	14	116.07	100.22	64.81	10.64
4/15/2023	15	117.57	99.84	63.61	10.47
4/15/2023	16	120.37	98.81	62.35	10.55
4/15/2023	17	122.11	95.83	60.09	10.17
4/15/2023	18	121.87	94.11	61.05	9.97
4/15/2023	19	119.96	92.68	58.99	9.77
4/15/2023	20	117.49	91.14	49.02	9.92
4/15/2023	21	117.76	89.68	47.26	9.93
4/15/2023	22	110.59	86.38	46.41	9.63

4/15/2023	23	99.16	83.43	45.34	9.23
4/15/2023	24	89.40	79.79	48.42	9.20
4/16/2023	1	78.82	79.79	44.18	8.83
4/16/2023	2	72.74	78.71	43.73	8.80
4/16/2023	3	69.10	78.09	40.35	8.78
4/16/2023	4	66.84	77.32	39.46	8.79
4/16/2023	5	66.17	77.82	39.74	9.03
4/16/2023	6	68.03	78.87	40.48	9.27
4/16/2023	7	74.66	79.93	41.22	9.34
4/16/2023	8	86.19	81.61	42.10	9.18
4/16/2023	9	97.30	85.57	42.97	9.06
4/16/2023	10	103.27	87.58	44.73	9.38
4/16/2023	11	108.73	87.65	43.91	9.66
4/16/2023	12	112.07	86.56	44.10	9.78
4/16/2023	13	113.46	85.42	43.90	9.83
4/16/2023	14	113.91	83.66	43.93	9.83
4/16/2023	15	113.94	82.47	41.68	9.84
4/16/2023	16	117.02	82.15	40.18	9.89
4/16/2023	17	122.08	81.42	40.22	9.87
4/16/2023	18	126.06	80.85	41.09	9.95
4/16/2023	19	128.92	79.62	46.75	9.69
4/16/2023	20	131.41	80.24	44.26	9.97
4/16/2023	21	129.03	79.76	53.87	10.23
4/16/2023	22	118.16	77.71	59.90	9.93
4/16/2023	23	104.96	76.33	59.78	9.66
4/16/2023	24	99.69	77.39	63.64	9.78
4/17/2023	1	90.17	75.13	62.40	9.49
4/17/2023	2	88.33	74.82	61.53	9.56
4/17/2023	3	88.25	75.31	61.27	9.67
4/17/2023	4	90.73	76.30	63.02	9.73
4/17/2023	5	97.23	79.08	68.57	10.36
4/17/2023	6	110.42	83.32	75.15	12.36
4/17/2023	7	120.73	88.86	82.37	14.95
4/17/2023	8	120.17	94.17	87.61	17.01
4/17/2023	9	120.74	98.27	88.63	17.86
4/17/2023	10	122.37	100.14	90.12	18.14
4/17/2023	11	122.95	100.91	90.90	17.96
4/17/2023	12	124.21	101.34	90.11	17.71
4/17/2023	13	124.20	101.53	91.29	17.42
4/17/2023	14	123.15	101.01	89.13	16.87
4/17/2023	15	124.58	99.62	84.31	15.84
4/17/2023	16	132.52	97.76	83.45	14.65
4/17/2023	17	142.14	93.86	78.28	13.72
4/17/2023	18	149.26	91.11	73.61	13.30
4/17/2023	19	150.91	89.13	76.07	12.84
4/17/2023	20	150.23	88.72	76.08	12.63
4/17/2023	21	147.79	87.69	76.23	12.20
4/17/2023	22	136.69	85.25	73.80	11.48
4/17/2023	23	122.72	83.06	72.55	10.95
4/17/2023	24	109.71	81.45	71.66	10.47
4/18/2023	1	108.18	81.10	70.79	10.43
4/18/2023	2	104.77	80.62	70.19	10.45

4/18/2023	3	103.99	80.31	69.91	10.48
4/18/2023	4	105.38	81.34	69.44	10.47
4/18/2023	5	110.41	83.93	74.87	11.23
4/18/2023	6	121.34	88.99	79.01	13.63
4/18/2023	7	128.82	93.38	84.15	16.26
4/18/2023	8	124.92	97.84	86.58	18.03
4/18/2023	9	121.77	101.63	88.44	18.47
4/18/2023	10	119.40	102.93	90.10	18.65
4/18/2023	11	116.82	103.25	88.13	18.29
4/18/2023	12	113.96	101.97	88.54	17.81
4/18/2023	13	110.48	102.17	86.73	17.19
4/18/2023	14	106.62	100.84	88.02	16.70
4/18/2023	15	104.69	99.07	85.37	15.42
4/18/2023	16	106.32	96.06	81.70	13.95
4/18/2023	17	110.82	92.03	77.70	12.92
4/18/2023	18	113.68	88.69	75.64	12.37
4/18/2023	19	115.14	86.04	74.30	11.90
4/18/2023	20	119.94	85.17	72.77	11.43
4/18/2023	21	126.09	85.02	72.61	11.25
4/18/2023	22	119.67	83.08	72.72	10.60
4/18/2023	23	107.83	81.15	70.99	10.11
4/18/2023	24	94.64	79.43	71.00	10.03
4/19/2023	1	94.87	79.59	68.14	9.99
4/19/2023	2	93.55	79.14	68.38	9.85
4/19/2023	3	94.29	79.49	67.92	10.05
4/19/2023	4	96.70	80.39	70.21	10.27
4/19/2023	5	102.66	83.41	74.05	10.90
4/19/2023	6	113.68	87.92	80.18	12.93
4/19/2023	7	121.28	91.85	88.19	15.14
4/19/2023	8	117.06	96.52	89.76	17.21
4/19/2023	9	110.55	99.72	90.45	17.80
4/19/2023	10	106.07	101.06	92.14	17.92
4/19/2023	11	103.91	101.43	91.01	17.70
4/19/2023	12	100.65	100.76	90.86	17.28
4/19/2023	13	97.14	100.92	92.25	16.59
4/19/2023	14	92.72	101.16	90.85	15.95
4/19/2023	15	90.95	99.74	87.96	14.90
4/19/2023	16	93.34	97.56	84.53	13.56
4/19/2023	17	98.10	94.14	81.83	12.54
4/19/2023	18	101.22	91.13	78.81	11.85
4/19/2023	19	104.96	88.38	77.65	11.40
4/19/2023	20	110.25	87.06	76.82	11.43
4/19/2023	21	112.89	84.93	76.80	10.94
4/19/2023	22	103.08	81.44	74.77	10.02
4/19/2023	23	90.11	78.74	72.39	9.70
4/19/2023	24	80.55	77.90	71.05	9.54
4/20/2023	1	75.83	76.27	69.81	9.29
4/20/2023	2	73.30	75.70	69.92	9.32
4/20/2023	3	73.14	76.05	69.57	9.28
4/20/2023	4	74.09	76.62	69.53	9.25
4/20/2023	5	78.78	79.38	74.26	9.86
4/20/2023	6	89.20	83.79	79.96	11.59

4/20/2023	7	96.78	89.51	87.08	14.38
4/20/2023	8	94.27	94.69	90.45	16.43
4/20/2023	9	93.18	97.81	92.14	16.96
4/20/2023	10	90.44	100.60	91.83	17.17
4/20/2023	11	88.01	103.01	92.91	17.16
4/20/2023	12	86.58	104.98	93.26	17.38
4/20/2023	13	85.31	105.66	92.58	17.10
4/20/2023	14	84.35	105.18	91.19	16.57
4/20/2023	15	85.05	104.07	87.91	15.43
4/20/2023	16	89.80	102.72	84.27	14.03
4/20/2023	17	96.88	99.29	81.09	13.03
4/20/2023	18	101.86	96.71	79.27	12.33
4/20/2023	19	105.27	93.48	76.98	11.89
4/20/2023	20	110.54	91.48	76.12	11.46
4/20/2023	21	112.21	87.87	75.25	10.92
4/20/2023	22	101.79	83.61	73.53	9.94
4/20/2023	23	88.95	81.20	70.56	9.55
4/20/2023	24	80.50	78.79	65.90	9.41
4/21/2023	1	71.75	77.15	67.97	9.27
4/21/2023	2	68.43	75.38	66.02	8.99
4/21/2023	3	67.47	74.77	67.80	9.00
4/21/2023	4	68.74	75.07	66.88	9.08
4/21/2023	5	73.03	77.03	68.34	9.77
4/21/2023	6	84.13	81.22	72.61	11.39
4/21/2023	7	94.62	86.12	76.72	13.81
4/21/2023	8	94.44	90.83	78.81	15.77
4/21/2023	9	95.36	94.99	78.95	16.46
4/21/2023	10	96.60	97.12	81.71	16.82
4/21/2023	11	96.18	97.93	82.53	16.94
4/21/2023	12	95.59	97.41	82.46	16.54
4/21/2023	13	93.57	97.43	82.85	15.83
4/21/2023	14	90.95	97.46	79.76	15.41
4/21/2023	15	90.91	96.44	76.54	13.98
4/21/2023	16	94.14	94.12	74.97	12.67
4/21/2023	17	98.51	91.63	71.47	11.68
4/21/2023	18	99.59	89.22	68.46	11.00
4/21/2023	19	100.22	86.98	66.59	10.62
4/21/2023	20	104.04	85.52	58.18	10.70
4/21/2023	21	108.86	83.96	60.56	10.53
4/21/2023	22	104.84	80.79	59.82	9.85
4/21/2023	23	96.18	78.49	57.56	9.44
4/21/2023	24	92.22	76.79	51.01	9.24
4/22/2023	1	81.82	75.42	52.24	9.00
4/22/2023	2	78.95	74.70	48.53	8.99
4/22/2023	3	77.70	74.80	47.28	9.01
4/22/2023	4	78.07	75.45	51.52	9.01
4/22/2023	5	80.15	76.22	54.41	9.06
4/22/2023	6	85.26	78.42	54.20	9.25
4/22/2023	7	95.55	80.46	54.83	9.40
4/22/2023	8	106.87	82.98	55.16	9.51
4/22/2023	9	114.85	86.22	55.76	9.86
4/22/2023	10	117.57	87.70	56.72	10.10

4/22/2023	11	117.40	88.76	54.88	10.19
4/22/2023	12	118.54	88.30	48.16	10.38
4/22/2023	13	120.59	88.05	47.60	10.35
4/22/2023	14	120.35	87.33	47.08	10.21
4/22/2023	15	119.28	86.95	45.93	10.19
4/22/2023	16	122.75	86.38	44.84	9.90
4/22/2023	17	127.08	85.59	44.13	9.84
4/22/2023	18	127.50	84.96	43.08	9.85
4/22/2023	19	127.31	83.79	43.45	9.80
4/22/2023	20	128.67	84.28	42.87	9.88
4/22/2023	21	130.68	84.16	43.16	9.95
4/22/2023	22	124.39	82.15	43.70	9.77
4/22/2023	23	114.68	79.88	42.46	9.51
4/22/2023	24	105.46	78.48	43.47	9.62
4/23/2023	1	99.79	77.46	41.63	9.52
4/23/2023	2	95.89	76.70	41.15	9.54
4/23/2023	3	93.98	76.86	40.81	9.54
4/23/2023	4	93.75	77.05	40.65	9.59
4/23/2023	5	95.04	78.07	41.49	9.64
4/23/2023	6	98.91	79.64	40.01	9.93
4/23/2023	7	107.77	81.19	39.58	9.86
4/23/2023	8	119.05	82.33	40.18	9.75
4/23/2023	9	127.40	84.97	39.20	9.71
4/23/2023	10	130.90	86.77	40.31	9.99
4/23/2023	11	132.76	87.33	40.22	10.25
4/23/2023	12	133.84	87.07	40.99	10.68
4/23/2023	13	132.00	86.74	41.13	10.47
4/23/2023	14	129.00	86.04	41.97	10.36
4/23/2023	15	127.74	85.67	41.73	10.33
4/23/2023	16	129.95	84.80	41.44	10.13
4/23/2023	17	135.85	84.33	40.89	9.96
4/23/2023	18	139.57	83.34	40.86	9.84
4/23/2023	19	141.19	82.26	44.69	9.81
4/23/2023	20	141.80	82.19	40.26	9.98
4/23/2023	21	140.39	83.28	42.32	10.24
4/23/2023	22	128.98	81.29	51.15	10.15
4/23/2023	23	114.51	79.91	52.43	9.96
4/23/2023	24	101.80	78.93	60.51	9.84
4/24/2023	1	96.99	78.01	57.82	9.74
4/24/2023	2	94.33	77.58	62.00	9.64
4/24/2023	3	94.13	78.06	64.00	9.84
4/24/2023	4	96.32	78.99	63.24	9.99
4/24/2023	5	103.63	82.08	68.21	11.03
4/24/2023	6	116.09	86.96	75.32	13.04
4/24/2023	7	124.17	90.22	81.84	15.26
4/24/2023	8	118.29	95.15	87.22	17.19
4/24/2023	9	113.68	98.61	90.77	17.64
4/24/2023	10	110.92	100.26	93.46	17.86
4/24/2023	11	109.87	100.68	93.43	17.65
4/24/2023	12	108.78	99.84	93.03	17.20
4/24/2023	13	105.75	99.56	96.47	16.46
4/24/2023	14	102.83	98.33	95.65	16.05

4/24/2023	15	101.13	96.58	90.80	14.93
4/24/2023	16	104.44	93.91	87.77	13.58
4/24/2023	17	109.59	89.38	82.19	12.60
4/24/2023	18	113.42	85.85	79.03	11.96
4/24/2023	19	115.52	83.78	78.57	11.66
4/24/2023	20	120.68	83.15	77.13	11.39
4/24/2023	21	125.80	83.78	77.45	11.02
4/24/2023	22	119.43	81.94	73.44	10.42
4/24/2023	23	107.22	80.14	72.37	10.04
4/24/2023	24	100.20	79.08	72.35	9.81
4/25/2023	1	93.91	78.41	70.77	9.62
4/25/2023	2	91.76	78.03	72.57	9.66
4/25/2023	3	91.53	78.16	73.01	9.80
4/25/2023	4	92.95	78.99	72.71	9.90
4/25/2023	5	98.60	81.52	77.21	10.52
4/25/2023	6	109.58	85.99	83.56	12.66
4/25/2023	7	118.12	90.38	88.69	15.23
4/25/2023	8	115.81	95.37	91.38	17.30
4/25/2023	9	115.41	99.51	93.37	17.81
4/25/2023	10	115.55	101.56	94.31	18.21
4/25/2023	11	116.08	101.56	92.90	18.31
4/25/2023	12	116.32	100.37	95.07	17.80
4/25/2023	13	114.55	99.71	95.67	17.39
4/25/2023	14	111.17	98.23	94.13	16.66
4/25/2023	15	110.48	96.41	89.67	15.40
4/25/2023	16	115.35	93.69	83.50	13.92
4/25/2023	17	121.71	89.42	83.19	12.80
4/25/2023	18	125.11	85.83	81.38	12.12
4/25/2023	19	125.96	83.51	79.68	11.66
4/25/2023	20	130.21	82.58	79.55	11.51
4/25/2023	21	134.24	83.65	78.72	11.54
4/25/2023	22	126.73	81.66	78.99	10.87
4/25/2023	23	114.64	79.85	77.90	10.31
4/25/2023	24	98.12	77.92	74.41	9.91
4/26/2023	1	95.09	77.35	75.05	9.88
4/26/2023	2	93.49	77.22	74.12	9.92
4/26/2023	3	93.81	77.57	73.26	9.96
4/26/2023	4	95.83	78.56	73.55	10.29
4/26/2023	5	101.79	81.09	78.73	11.14
4/26/2023	6	113.05	85.75	83.57	13.21
4/26/2023	7	120.43	88.88	88.80	15.48
4/26/2023	8	113.18	93.58	92.35	17.47
4/26/2023	9	107.00	97.32	94.36	17.78
4/26/2023	10	102.36	98.57	94.96	17.88
4/26/2023	11	99.45	99.30	96.62	17.45
4/26/2023	12	97.15	98.75	94.50	17.03
4/26/2023	13	94.27	98.61	95.27	16.54
4/26/2023	14	92.26	97.45	94.50	15.69
4/26/2023	15	91.47	95.51	89.15	14.54
4/26/2023	16	95.14	93.04	81.52	13.42
4/26/2023	17	100.63	89.43	79.40	12.50
4/26/2023	18	104.73	86.41	75.05	11.83

4/26/2023	19	107.45	83.79	75.94	11.73
4/26/2023	20	113.85	82.58	75.82	11.46
4/26/2023	21	120.35	83.23	73.76	11.06
4/26/2023	22	113.98	81.10	74.27	10.44
4/26/2023	23	102.79	79.48	71.87	10.18
4/26/2023	24	97.00	78.19	70.38	9.77
4/27/2023	1	97.56	78.34	70.81	9.86
4/27/2023	2	96.52	78.33	70.62	10.01
4/27/2023	3	97.59	78.75	69.41	10.11
4/27/2023	4	100.26	79.83	70.58	10.26
4/27/2023	5	107.04	82.60	75.07	11.01
4/27/2023	6	119.47	87.38	81.30	13.16
4/27/2023	7	127.26	91.13	84.64	15.46
4/27/2023	8	118.72	95.98	89.29	17.39
4/27/2023	9	111.97	99.38	89.54	17.52
4/27/2023	10	106.30	100.71	90.47	17.47
4/27/2023	11	101.67	101.46	89.97	17.59
4/27/2023	12	98.05	100.87	88.37	17.09
4/27/2023	13	93.71	101.07	91.88	16.46
4/27/2023	14	90.08	101.05	89.84	16.20
4/27/2023	15	89.29	99.99	87.69	14.73
4/27/2023	16	91.84	96.70	82.31	13.31
4/27/2023	17	97.13	93.02	74.83	12.33
4/27/2023	18	100.70	89.71	73.89	11.71
4/27/2023	19	103.30	87.15	72.59	11.48
4/27/2023	20	108.69	85.20	68.59	11.00
4/27/2023	21	113.72	84.05	69.94	10.82
4/27/2023	22	106.27	80.55	70.44	10.12
4/27/2023	23	94.30	78.35	69.26	9.72
4/27/2023	24	86.96	76.31	67.56	9.28
4/28/2023	1	79.52	75.02	67.52	9.23
4/28/2023	2	77.32	74.53	66.52	9.25
4/28/2023	3	77.62	74.43	65.97	9.18
4/28/2023	4	79.38	75.44	66.95	9.40
4/28/2023	5	84.81	77.74	70.68	10.02
4/28/2023	6	96.59	81.94	77.94	11.81
4/28/2023	7	105.91	85.94	82.57	13.83
4/28/2023	8	103.79	90.47	82.80	15.65
4/28/2023	9	103.46	94.40	82.47	16.44
4/28/2023	10	103.15	96.43	83.68	16.64
4/28/2023	11	102.77	97.47	83.25	16.58
4/28/2023	12	101.79	96.90	81.08	16.30
4/28/2023	13	99.58	96.27	82.35	15.75
4/28/2023	14	99.63	95.26	80.95	15.19
4/28/2023	15	100.42	93.61	76.34	13.98
4/28/2023	16	104.40	92.00	73.29	12.54
4/28/2023	17	109.40	88.86	71.49	11.89
4/28/2023	18	110.82	86.98	69.01	11.22
4/28/2023	19	109.91	85.00	68.12	10.90
4/28/2023	20	112.42	83.86	68.79	10.54
4/28/2023	21	116.19	83.29	68.85	10.48
4/28/2023	22	111.40	80.46	68.03	9.98

4/28/2023	23	101.48	77.88	66.17	9.56
4/28/2023	24	93.48	76.03	59.42	9.36
4/29/2023	1	86.94	75.09	63.56	9.20
4/29/2023	2	84.01	74.40	62.12	9.18
4/29/2023	3	82.83	74.34	61.12	9.18
4/29/2023	4	83.28	74.77	60.59	9.27
4/29/2023	5	86.14	76.02	65.03	9.38
4/29/2023	6	91.93	78.12	65.01	9.51
4/29/2023	7	101.90	79.30	64.40	9.47
4/29/2023	8	111.40	82.06	64.15	9.64
4/29/2023	9	114.22	85.18	63.85	9.94
4/29/2023	10	112.59	87.35	65.42	10.05
4/29/2023	11	108.03	89.51	64.37	10.00
4/29/2023	12	104.91	89.92	63.20	10.06
4/29/2023	13	101.88	89.04	62.19	10.03
4/29/2023	14	101.79	87.55	62.30	9.56
4/29/2023	15	105.25	85.78	60.02	9.61
4/29/2023	16	111.74	85.02	59.85	9.77
4/29/2023	17	117.49	83.87	59.41	9.77
4/29/2023	18	116.97	82.73	58.89	9.64
4/29/2023	19	115.56	81.56	56.80	9.42
4/29/2023	20	116.13	81.39	48.60	9.63
4/29/2023	21	117.35	81.44	46.45	9.65
4/29/2023	22	112.31	79.35	45.72	9.50
4/29/2023	23	104.01	77.08	45.00	9.43
4/29/2023	24	96.79	75.91	49.66	9.57
4/30/2023	1	90.18	75.08	44.63	9.36
4/30/2023	2	87.37	74.41	45.00	9.30
4/30/2023	3	85.97	74.43	44.71	9.25
4/30/2023	4	86.18	74.66	43.23	9.19
4/30/2023	5	88.44	75.73	42.84	9.23
4/30/2023	6	92.78	77.16	42.39	9.49
4/30/2023	7	102.69	77.82	41.60	9.43
4/30/2023	8	113.29	80.04	42.02	9.53
4/30/2023	9	121.29	83.14	42.74	9.58
4/30/2023	10	123.53	84.56	43.23	9.73
4/30/2023	11	123.27	85.48	43.55	9.71
4/30/2023	12	123.73	85.46	43.93	10.06
4/30/2023	13	122.36	84.89	42.87	9.90
4/30/2023	14	121.53	84.45	42.91	9.89
4/30/2023	15	120.12	83.55	42.94	9.86
4/30/2023	16	122.39	83.17	45.23	9.68
4/30/2023	17	131.48	82.34	45.54	9.69
4/30/2023	18	137.75	81.82	45.09	9.75
4/30/2023	19	139.56	80.69	49.40	9.67
4/30/2023	20	139.79	80.52	49.58	9.89
4/30/2023	21	136.89	81.02	55.55	10.17
4/30/2023	22	124.47	79.16	60.46	10.06
4/30/2023	23	109.83	77.47	61.45	9.77
4/30/2023	24	101.93	77.24	65.39	9.94
5/1/2023	1	94.34	76.27	62.86	9.88
5/1/2023	2	91.94	75.76	61.49	9.79

5/1/2023	3	92.48	76.11	63.61	9.88
5/1/2023	4	94.75	77.07	64.41	9.99
5/1/2023	5	100.61	80.05	69.90	10.60
5/1/2023	6	113.40	84.51	77.76	12.56
5/1/2023	7	123.23	88.68	82.81	14.96
5/1/2023	8	120.77	94.26	87.22	17.24
5/1/2023	9	121.24	98.32	86.93	18.03
5/1/2023	10	122.44	100.11	88.24	18.42
5/1/2023	11	123.03	100.62	86.63	18.45
5/1/2023	12	123.45	100.21	87.36	17.98
5/1/2023	13	122.11	99.37	90.12	17.31
5/1/2023	14	121.83	99.09	88.25	16.81
5/1/2023	15	124.38	97.55	85.47	15.87
5/1/2023	16	132.23	94.82	79.85	14.74
5/1/2023	17	142.77	90.92	77.82	13.66
5/1/2023	18	148.40	87.57	76.98	13.03
5/1/2023	19	148.56	85.95	75.17	12.59
5/1/2023	20	147.58	85.22	75.26	12.42
5/1/2023	21	143.74	84.25	75.03	11.90
5/1/2023	22	131.63	82.16	73.05	11.09
5/1/2023	23	117.66	80.13	71.71	10.60
5/1/2023	24	106.21	78.80	69.93	10.47
5/2/2023	1	103.16	78.11	67.38	10.33
5/2/2023	2	100.37	77.68	67.38	10.22
5/2/2023	3	99.72	77.67	68.27	10.33
5/2/2023	4	101.17	78.67	69.69	10.51
5/2/2023	5	106.59	81.38	74.41	11.45
5/2/2023	6	118.17	86.32	80.53	13.43
5/2/2023	7	126.33	90.34	85.20	15.72
5/2/2023	8	122.02	95.62	88.52	18.04
5/2/2023	9	120.19	99.14	89.17	18.53
5/2/2023	10	119.09	100.80	89.17	18.68
5/2/2023	11	119.03	101.36	91.22	18.49
5/2/2023	12	118.85	100.42	91.08	18.02
5/2/2023	13	117.51	100.06	90.85	17.70
5/2/2023	14	117.18	99.57	90.83	17.24
5/2/2023	15	119.06	98.49	85.74	16.06
5/2/2023	16	125.68	95.36	80.72	14.66
5/2/2023	17	133.84	90.38	76.41	13.56
5/2/2023	18	137.05	87.26	76.67	12.95
5/2/2023	19	139.37	85.32	75.93	12.43
5/2/2023	20	141.64	84.52	76.13	12.20
5/2/2023	21	140.28	84.15	72.98	11.76
5/2/2023	22	130.28	81.94	75.03	11.05
5/2/2023	23	117.00	80.00	72.21	10.60
5/2/2023	24	106.22	78.48	71.25	10.33
5/3/2023	1	102.65	78.05	68.81	10.42
5/3/2023	2	99.86	77.67	69.15	10.42
5/3/2023	3	98.81	77.76	67.93	10.49
5/3/2023	4	100.02	78.53	68.78	10.52
5/3/2023	5	105.48	81.44	73.26	11.29
5/3/2023	6	116.73	85.85	79.26	13.33

5/3/2023	7	124.53	89.21	85.03	15.64
5/3/2023	8	120.65	95.00	88.50	17.58
5/3/2023	9	117.97	99.10	87.10	18.13
5/3/2023	10	117.50	101.19	87.93	18.16
5/3/2023	11	115.63	101.55	87.95	18.07
5/3/2023	12	114.99	100.88	92.17	17.61
5/3/2023	13	113.13	100.78	93.79	17.04
5/3/2023	14	110.50	99.90	93.03	16.45
5/3/2023	15	109.92	97.96	86.75	15.24
5/3/2023	16	112.99	94.98	83.72	13.87
5/3/2023	17	117.38	90.77	78.97	13.11
5/3/2023	18	118.45	86.99	77.23	12.37
5/3/2023	19	119.27	84.57	76.48	11.79
5/3/2023	20	125.10	83.33	76.27	11.65
5/3/2023	21	131.94	83.59	75.58	11.34
5/3/2023	22	125.03	81.39	74.52	10.76
5/3/2023	23	111.91	79.33	75.03	10.24
5/3/2023	24	97.26	77.51	73.55	9.93
5/4/2023	1	97.15	77.15	71.83	9.88
5/4/2023	2	94.38	76.81	68.80	9.96
5/4/2023	3	93.82	76.72	69.52	10.04
5/4/2023	4	95.14	77.66	71.86	10.09
5/4/2023	5	100.68	80.40	79.37	10.90
5/4/2023	6	112.18	85.07	85.58	12.83
5/4/2023	7	120.04	88.55	92.63	14.93
5/4/2023	8	113.71	93.66	94.58	16.91
5/4/2023	9	108.06	97.85	95.43	17.58
5/4/2023	10	101.78	99.51	97.47	17.57
5/4/2023	11	97.48	100.66	96.91	17.36
5/4/2023	12	94.89	101.00	96.68	17.00
5/4/2023	13	91.49	101.96	97.60	16.70
5/4/2023	14	88.49	101.70	92.89	16.48
5/4/2023	15	88.11	100.90	88.99	15.32
5/4/2023	16	91.57	97.58	86.10	13.84
5/4/2023	17	96.88	93.32	81.06	12.82
5/4/2023	18	99.78	90.56	77.01	12.17
5/4/2023	19	102.09	87.83	75.75	11.67
5/4/2023	20	106.99	84.83	76.77	11.38
5/4/2023	21	113.14	83.35	76.26	11.18
5/4/2023	22	106.76	80.57	75.72	10.31
5/4/2023	23	92.99	78.05	72.75	9.85
5/4/2023	24	82.09	76.94	69.03	9.51
5/5/2023	1	76.03	75.56	70.04	9.40
5/5/2023	2	73.63	75.10	70.39	9.38
5/5/2023	3	73.29	75.18	69.81	9.44
5/5/2023	4	75.21	75.68	70.57	9.40
5/5/2023	5	80.73	75.88	70.66	10.00
5/5/2023	6	93.38	81.72	74.73	11.65
5/5/2023	7	102.22	84.89	80.76	13.78
5/5/2023	8	97.84	91.11	81.85	15.61
5/5/2023	9	95.08	96.32	83.86	16.49
5/5/2023	10	92.66	99.10	85.15	16.92

5/5/2023	11	90.22	101.18	86.50	16.90
5/5/2023	12	89.55	102.16	83.50	16.54
5/5/2023	13	88.64	102.41	83.22	16.27
5/5/2023	14	88.11	102.49	82.01	15.93
5/5/2023	15	89.52	102.26	78.65	14.77
5/5/2023	16	93.96	100.61	75.59	13.26
5/5/2023	17	98.53	97.48	71.21	12.34
5/5/2023	18	100.81	94.10	68.10	11.58
5/5/2023	19	100.65	90.68	66.54	11.03
5/5/2023	20	102.25	88.02	59.06	10.74
5/5/2023	21	106.71	87.03	60.56	10.60
5/5/2023	22	103.41	83.01	60.50	9.82
5/5/2023	23	93.06	79.60	58.33	9.46
5/5/2023	24	81.99	77.20	52.76	9.17
5/6/2023	1	74.34	75.70	55.20	9.13
5/6/2023	2	70.12	74.49	54.67	8.90
5/6/2023	3	68.22	74.16	54.34	8.87
5/6/2023	4	67.71	74.47	53.31	8.92
5/6/2023	5	69.75	75.56	55.99	9.07
5/6/2023	6	74.52	77.56	57.75	9.26
5/6/2023	7	83.68	78.36	55.10	9.31
5/6/2023	8	94.73	81.78	52.73	9.26
5/6/2023	9	101.79	85.01	52.37	9.57
5/6/2023	10	105.94	87.69	53.47	9.86
5/6/2023	11	107.57	89.22	51.08	9.76
5/6/2023	12	107.68	89.73	45.30	9.96
5/6/2023	13	106.09	89.24	45.58	10.03
5/6/2023	14	103.54	88.85	44.53	10.00
5/6/2023	15	102.12	88.48	44.28	9.64
5/6/2023	16	102.65	88.47	43.23	9.51
5/6/2023	17	102.97	89.05	41.64	9.58
5/6/2023	18	103.02	88.91	40.85	9.65
5/6/2023	19	102.54	88.09	41.22	9.46
5/6/2023	20	104.04	86.92	41.67	9.52
5/6/2023	21	107.90	86.35	41.47	9.63
5/6/2023	22	101.55	82.46	41.45	9.18
5/6/2023	23	91.58	79.34	40.66	8.92
5/6/2023	24	83.28	77.30	44.26	8.70
5/7/2023	1	74.94	75.87	39.97	8.60
5/7/2023	2	71.12	75.65	38.29	8.78
5/7/2023	3	68.17	75.67	37.56	8.75
5/7/2023	4	67.01	75.76	38.23	8.63
5/7/2023	5	67.41	76.35	38.79	8.62
5/7/2023	6	70.38	77.98	39.58	8.96
5/7/2023	7	78.47	79.29	39.51	9.02
5/7/2023	8	90.30	81.96	39.66	9.03
5/7/2023	9	100.19	85.89	40.05	9.14
5/7/2023	10	105.75	89.15	41.00	9.40
5/7/2023	11	108.74	92.21	41.61	9.67
5/7/2023	12	111.76	94.63	41.60	9.90
5/7/2023	13	113.37	95.08	42.19	10.08
5/7/2023	14	115.43	95.70	42.46	10.01

5/7/2023	15	118.43	96.10	42.76	10.02
5/7/2023	16	123.39	95.69	42.70	10.02
5/7/2023	17	130.21	94.52	42.73	9.93
5/7/2023	18	135.39	92.88	42.68	9.86
5/7/2023	19	138.21	90.39	46.92	9.64
5/7/2023	20	137.28	87.32	45.28	9.35
5/7/2023	21	135.83	85.18	52.68	9.51
5/7/2023	22	121.67	81.88	56.96	9.28
5/7/2023	23	101.73	79.41	58.91	9.05
5/7/2023	24	84.40	77.55	60.39	9.04
5/8/2023	1	76.56	76.94	58.42	8.88
5/8/2023	2	71.09	76.34	58.44	8.97
5/8/2023	3	69.04	76.21	58.58	8.94
5/8/2023	4	69.09	76.30	59.78	8.98
5/8/2023	5	72.57	78.38	64.86	9.72
5/8/2023	6	82.85	82.31	73.46	11.31
5/8/2023	7	90.73	85.72	80.20	13.59
5/8/2023	8	87.88	91.75	83.71	16.11
5/8/2023	9	87.93	95.88	85.57	17.03
5/8/2023	10	88.64	98.78	87.48	17.61
5/8/2023	11	89.57	100.04	86.42	17.43
5/8/2023	12	90.74	99.38	85.36	17.10
5/8/2023	13	91.06	99.53	89.65	16.80
5/8/2023	14	90.68	98.27	86.08	16.08
5/8/2023	15	93.08	97.25	82.57	14.77
5/8/2023	16	100.11	94.85	80.43	13.50
5/8/2023	17	109.43	90.55	75.78	12.66
5/8/2023	18	114.27	87.47	72.43	12.22
5/8/2023	19	115.53	84.87	70.36	11.89
5/8/2023	20	116.28	83.13	69.39	11.45
5/8/2023	21	114.44	82.50	71.15	10.90
5/8/2023	22	104.64	80.14	70.80	10.01
5/8/2023	23	90.62	77.88	68.09	9.57
5/8/2023	24	79.96	75.97	66.94	9.18
5/9/2023	1	74.06	75.62	64.33	9.05
5/9/2023	2	71.25	75.17	64.64	9.04
5/9/2023	3	70.54	75.00	64.33	8.87
5/9/2023	4	71.81	75.41	64.22	9.08
5/9/2023	5	77.23	77.53	69.46	9.76
5/9/2023	6	88.97	81.64	75.74	11.33
5/9/2023	7	96.68	84.64	82.10	13.80
5/9/2023	8	92.17	90.92	84.79	15.86
5/9/2023	9	89.29	96.27	84.29	16.71
5/9/2023	10	87.73	99.05	87.95	17.15
5/9/2023	11	87.28	100.75	86.71	17.25
5/9/2023	12	87.69	101.30	85.95	17.19
5/9/2023	13	87.37	102.63	85.29	16.94
5/9/2023	14	87.14	102.38	83.93	16.40
5/9/2023	15	89.28	101.94	83.22	15.24
5/9/2023	16	96.02	99.13	80.19	13.52
5/9/2023	17	103.65	94.57	75.77	12.37
5/9/2023	18	107.15	91.00	72.25	11.61

5/9/2023	19	108.64	87.36	70.83	11.09
5/9/2023	20	111.59	84.56	69.07	10.81
5/9/2023	21	115.36	83.28	69.60	10.41
5/9/2023	22	106.85	80.25	71.99	9.73
5/9/2023	23	91.26	77.59	70.64	9.37
5/9/2023	24	79.67	76.01	67.01	9.17
5/10/2023	1	73.40	74.70	66.35	9.12
5/10/2023	2	70.90	74.10	67.61	9.07
5/10/2023	3	70.58	74.07	66.18	9.02
5/10/2023	4	72.22	74.83	66.75	9.20
5/10/2023	5	77.46	77.23	71.18	9.89
5/10/2023	6	89.37	81.72	77.21	11.32
5/10/2023	7	97.91	85.00	83.15	13.35
5/10/2023	8	94.07	91.43	85.35	15.56
5/10/2023	9	90.26	97.21	88.75	16.47
5/10/2023	10	87.65	100.39	89.89	17.14
5/10/2023	11	86.91	103.07	91.14	17.23
5/10/2023	12	87.58	104.17	89.56	17.24
5/10/2023	13	87.66	105.14	90.98	17.11
5/10/2023	14	88.18	105.54	89.92	16.85
5/10/2023	15	91.84	105.04	84.07	15.69
5/10/2023	16	99.61	102.81	81.73	14.29
5/10/2023	17	109.43	99.37	76.72	13.28
5/10/2023	18	114.90	96.27	74.36	12.58
5/10/2023	19	116.62	93.24	73.19	12.05
5/10/2023	20	118.07	89.50	73.03	11.43
5/10/2023	21	119.40	86.31	72.86	10.96
5/10/2023	22	110.64	82.25	70.66	10.05
5/10/2023	23	93.19	78.93	64.99	9.44
5/10/2023	24	81.39	77.55	66.19	9.14
5/11/2023	1	72.32	75.43	63.36	8.95
5/11/2023	2	68.50	74.45	62.18	8.90
5/11/2023	3	67.11	74.50	60.40	8.85
5/11/2023	4	68.16	74.90	64.45	8.88
5/11/2023	5	72.71	77.05	69.68	9.41
5/11/2023	6	84.18	81.16	75.31	10.98
5/11/2023	7	92.81	84.78	81.42	13.42
5/11/2023	8	88.75	91.99	85.20	15.80
5/11/2023	9	86.79	98.84	87.14	17.04
5/11/2023	10	85.99	103.30	88.39	17.60
5/11/2023	11	86.94	106.96	89.30	17.94
5/11/2023	12	89.51	108.18	90.21	17.91
5/11/2023	13	91.76	110.30	88.28	17.77
5/11/2023	14	95.13	111.42	88.59	17.82
5/11/2023	15	101.40	111.26	84.23	17.01
5/11/2023	16	111.76	109.52	81.91	15.47
5/11/2023	17	122.22	105.12	79.56	14.37
5/11/2023	18	128.30	101.19	75.03	13.41
5/11/2023	19	128.72	97.70	75.09	12.68
5/11/2023	20	128.96	93.14	73.27	11.99
5/11/2023	21	128.90	89.52	74.78	11.24
5/11/2023	22	118.97	84.97	72.09	10.15

5/11/2023	23	100.24	81.20	71.36	9.74
5/11/2023	24	86.17	79.57	68.31	9.46
5/12/2023	1	75.97	76.82	70.38	9.37
5/12/2023	2	71.00	75.93	70.59	9.30
5/12/2023	3	68.59	75.97	70.10	9.06
5/12/2023	4	67.95	76.50	70.74	9.18
5/12/2023	5	71.09	78.73	72.00	9.78
5/12/2023	6	80.45	82.53	76.14	11.43
5/12/2023	7	88.77	86.78	80.97	13.63
5/12/2023	8	87.49	92.63	84.04	16.21
5/12/2023	9	87.48	98.48	85.60	16.91
5/12/2023	10	88.42	101.75	88.11	17.66
5/12/2023	11	89.73	104.90	91.03	18.10
5/12/2023	12	92.06	105.51	89.03	17.88
5/12/2023	13	93.33	106.61	89.90	17.59
5/12/2023	14	94.08	106.44	87.97	16.96
5/12/2023	15	97.74	106.85	82.84	15.85
5/12/2023	16	104.38	106.19	78.74	14.01
5/12/2023	17	110.57	103.06	77.22	13.08
5/12/2023	18	114.25	99.72	74.83	12.36
5/12/2023	19	114.39	97.37	73.41	12.08
5/12/2023	20	116.03	94.46	70.55	11.84
5/12/2023	21	118.50	92.66	69.17	11.30
5/12/2023	22	112.87	88.86	66.47	10.31
5/12/2023	23	101.49	84.89	62.16	9.82
5/12/2023	24	88.49	81.41	59.34	9.39
5/13/2023	1	80.22	80.38	64.22	9.26
5/13/2023	2	74.29	79.36	63.15	9.25
5/13/2023	3	70.91	78.92	62.93	9.20
5/13/2023	4	69.27	78.86	62.66	8.96
5/13/2023	5	69.63	80.11	65.40	9.11
5/13/2023	6	72.89	81.90	65.04	9.28
5/13/2023	7	80.90	83.59	62.90	9.21
5/13/2023	8	92.19	86.97	61.92	9.36
5/13/2023	9	101.04	90.53	63.06	9.62
5/13/2023	10	106.03	93.11	62.26	10.05
5/13/2023	11	107.55	94.39	61.99	10.14
5/13/2023	12	107.66	94.90	58.69	10.10
5/13/2023	13	105.66	95.63	59.52	10.19
5/13/2023	14	104.27	95.59	58.88	10.08
5/13/2023	15	104.58	94.83	57.36	10.11
5/13/2023	16	106.56	94.38	58.15	9.89
5/13/2023	17	109.28	93.02	61.42	9.70
5/13/2023	18	110.61	91.53	60.67	9.61
5/13/2023	19	110.87	90.15	57.28	9.58
5/13/2023	20	110.68	88.38	50.63	9.70
5/13/2023	21	113.12	88.33	47.16	9.88
5/13/2023	22	108.91	85.43	45.96	9.35
5/13/2023	23	98.25	82.42	44.16	9.09
5/13/2023	24	84.53	78.94	47.04	8.87
5/14/2023	1	78.18	78.63	42.82	8.85
5/14/2023	2	72.49	77.45	42.43	8.70

5/14/2023	3	69.22	76.86	42.10	8.56
5/14/2023	4	67.59	76.52	42.32	8.39
5/14/2023	5	67.64	77.12	42.52	8.60
5/14/2023	6	70.54	77.37	42.46	8.79
5/14/2023	7	79.43	77.66	41.73	8.58
5/14/2023	8	92.53	80.69	44.35	8.65
5/14/2023	9	102.30	84.86	44.99	8.85
5/14/2023	10	106.77	87.72	42.96	9.08
5/14/2023	11	107.08	90.01	42.39	9.28
5/14/2023	12	107.00	90.13	39.43	9.59
5/14/2023	13	105.86	90.09	39.05	9.64
5/14/2023	14	104.33	89.52	40.51	9.51
5/14/2023	15	103.86	88.71	41.96	9.38
5/14/2023	16	105.13	88.02	41.80	9.30
5/14/2023	17	108.81	86.15	41.97	9.20
5/14/2023	18	112.33	84.54	41.97	9.18
5/14/2023	19	115.14	82.81	45.95	9.09
5/14/2023	20	117.35	81.08	44.60	9.04
5/14/2023	21	115.55	81.32	51.58	9.12
5/14/2023	22	105.13	79.08	54.53	8.97
5/14/2023	23	90.30	77.40	58.32	8.68
5/14/2023	24	78.72	76.15	63.60	8.76
5/15/2023	1	71.93	75.12	61.66	8.65
5/15/2023	2	68.86	74.56	58.96	8.79
5/15/2023	3	68.02	74.28	59.27	8.86
5/15/2023	4	69.28	74.49	62.75	8.84
5/15/2023	5	73.81	76.64	70.36	9.60
5/15/2023	6	85.21	80.39	74.96	11.11
5/15/2023	7	93.54	84.10	82.02	13.28
5/15/2023	8	90.03	88.60	86.83	15.67
5/15/2023	9	88.96	84.62	86.65	16.55
5/15/2023	10	89.06	91.96	88.25	16.87
5/15/2023	11	89.04	101.23	90.12	17.32
5/15/2023	12	90.50	102.15	91.36	17.38
5/15/2023	13	90.77	103.05	92.85	17.30
5/15/2023	14	90.70	103.33	90.97	16.98
5/15/2023	15	92.78	102.33	88.68	15.90
5/15/2023	16	100.01	100.32	84.00	14.13
5/15/2023	17	108.67	96.11	79.07	13.04
5/15/2023	18	113.11	92.49	77.10	12.19
5/15/2023	19	113.41	88.70	76.75	11.69
5/15/2023	20	114.04	85.13	74.22	11.00
5/15/2023	21	116.19	83.60	74.65	10.62
5/15/2023	22	107.47	81.01	73.18	9.74
5/15/2023	23	91.14	78.23	71.60	9.40
5/15/2023	24	79.16	76.67	70.10	9.00
5/16/2023	1	72.99	75.40	69.43	8.77
5/16/2023	2	70.17	74.44	68.16	8.81
5/16/2023	3	69.90	74.14	67.73	8.89
5/16/2023	4	71.63	74.97	68.84	8.96
5/16/2023	5	76.68	77.38	72.83	9.58
5/16/2023	6	88.04	81.16	79.10	11.07

5/16/2023	7	96.29	85.51	82.31	13.37
5/16/2023	8	93.10	91.39	88.43	15.83
5/16/2023	9	91.12	96.17	89.01	16.56
5/16/2023	10	89.31	99.32	91.20	17.23
5/16/2023	11	88.04	101.87	91.96	17.33
5/16/2023	12	88.26	102.77	91.17	17.43
5/16/2023	13	87.56	104.56	92.59	17.23
5/16/2023	14	87.26	105.73	91.16	16.92
5/16/2023	15	89.95	105.28	86.91	16.09
5/16/2023	16	97.33	103.71	81.58	14.42
5/16/2023	17	106.71	100.36	77.10	13.33
5/16/2023	18	111.47	95.62	76.71	12.81
5/16/2023	19	112.89	90.14	75.61	12.05
5/16/2023	20	114.76	86.35	72.60	11.37
5/16/2023	21	114.97	85.30	72.48	10.72
5/16/2023	22	105.61	81.75	72.20	9.88
5/16/2023	23	90.06	79.36	70.69	9.45
5/16/2023	24	78.75	77.30	71.90	9.11
5/17/2023	1	71.64	76.21	68.32	8.90
5/17/2023	2	68.85	75.63	68.63	8.76
5/17/2023	3	68.16	75.23	68.99	8.82
5/17/2023	4	69.76	75.50	67.66	8.98
5/17/2023	5	74.83	77.79	72.91	9.63
5/17/2023	6	86.66	82.13	78.70	10.94
5/17/2023	7	95.33	85.56	84.04	13.21
5/17/2023	8	92.15	91.84	86.54	15.54
5/17/2023	9	90.13	96.29	87.41	16.50
5/17/2023	10	88.55	98.83	89.32	16.61
5/17/2023	11	87.65	101.25	90.72	16.72
5/17/2023	12	87.77	101.79	88.88	16.78
5/17/2023	13	86.81	102.25	91.20	16.45
5/17/2023	14	86.10	101.80	91.87	16.12
5/17/2023	15	87.62	101.37	86.32	14.91
5/17/2023	16	93.72	98.90	82.59	13.51
5/17/2023	17	101.97	94.65	79.36	12.70
5/17/2023	18	106.33	90.93	75.02	11.90
5/17/2023	19	107.79	88.15	75.75	11.28
5/17/2023	20	110.18	85.14	75.40	10.78
5/17/2023	21	113.26	83.85	74.22	10.16
5/17/2023	22	106.29	81.26	71.44	9.59
5/17/2023	23	91.64	78.93	71.23	9.27
5/17/2023	24	80.31	77.19	69.50	9.00
5/18/2023	1	74.47	76.12	68.33	8.68
5/18/2023	2	71.74	75.15	70.29	8.62
5/18/2023	3	71.51	75.07	70.28	8.57
5/18/2023	4	73.12	75.64	71.04	8.83
5/18/2023	5	78.97	77.87	74.24	9.46
5/18/2023	6	91.85	81.90	81.51	11.08
5/18/2023	7	100.19	85.56	85.53	13.30
5/18/2023	8	96.38	91.70	88.45	15.47
5/18/2023	9	94.08	95.87	91.54	16.27
5/18/2023	10	91.77	98.01	92.12	16.89

5/18/2023	11	89.91	98.54	92.31	16.66
5/18/2023	12	88.85	100.80	92.10	16.80
5/18/2023	13	87.13	101.85	92.73	16.67
5/18/2023	14	85.75	101.99	91.59	16.51
5/18/2023	15	87.01	102.22	87.52	15.44
5/18/2023	16	93.02	100.71	83.96	13.94
5/18/2023	17	100.14	97.41	79.81	13.16
5/18/2023	18	104.62	94.36	77.94	12.30
5/18/2023	19	106.86	92.08	75.99	11.63
5/18/2023	20	109.41	88.51	77.03	11.09
5/18/2023	21	112.41	85.98	73.61	10.63
5/18/2023	22	106.58	82.62	72.15	9.82
5/18/2023	23	91.26	79.46	69.74	9.23
5/18/2023	24	80.37	77.42	68.36	8.99
5/19/2023	1	72.30	76.32	66.71	8.89
5/19/2023	2	68.88	75.62	67.55	8.76
5/19/2023	3	67.83	75.26	65.67	8.66
5/19/2023	4	68.65	75.77	67.65	8.82
5/19/2023	5	72.91	78.10	72.19	9.62
5/19/2023	6	82.76	81.83	78.13	11.13
5/19/2023	7	90.65	86.00	83.52	13.31
5/19/2023	8	89.42	92.59	87.26	15.38
5/19/2023	9	89.63	97.98	86.62	16.57
5/19/2023	10	89.08	101.27	90.02	17.02
5/19/2023	11	89.03	103.33	88.28	17.04
5/19/2023	12	90.83	102.87	88.00	17.33
5/19/2023	13	91.61	102.02	86.23	16.93
5/19/2023	14	92.23	101.11	83.75	16.16
5/19/2023	15	94.66	100.06	78.09	14.86
5/19/2023	16	100.48	97.98	76.18	13.19
5/19/2023	17	104.68	94.05	71.63	12.24
5/19/2023	18	107.20	91.16	69.82	11.44
5/19/2023	19	107.06	88.44	74.07	10.81
5/19/2023	20	107.23	86.17	73.29	10.34
5/19/2023	21	107.81	85.30	69.00	10.13
5/19/2023	22	103.47	82.13	69.34	9.52
5/19/2023	23	93.40	78.67	66.74	9.22
5/19/2023	24	85.42	76.05	62.22	8.88
5/20/2023	1	77.06	74.96	63.24	8.57
5/20/2023	2	73.80	73.46	63.48	8.68
5/20/2023	3	72.45	73.31	62.16	8.71
5/20/2023	4	72.40	73.49	62.23	8.64
5/20/2023	5	74.50	74.91	66.27	8.77
5/20/2023	6	80.43	76.58	67.18	8.92
5/20/2023	7	90.36	77.62	67.56	8.75
5/20/2023	8	101.73	81.05	67.57	9.19
5/20/2023	9	109.65	84.31	66.38	9.49
5/20/2023	10	112.72	87.12	66.92	9.98
5/20/2023	11	114.28	88.54	65.37	9.98
5/20/2023	12	114.06	88.04	65.85	9.98
5/20/2023	13	111.98	88.32	65.35	9.81
5/20/2023	14	108.30	87.66	64.69	9.85

5/20/2023	15	105.50	87.37	62.79	9.49
5/20/2023	16	104.09	87.22	62.56	9.49
5/20/2023	17	105.91	86.44	62.38	9.22
5/20/2023	18	106.34	85.54	61.47	9.21
5/20/2023	19	106.01	84.02	58.65	9.24
5/20/2023	20	106.94	82.39	55.57	9.27
5/20/2023	21	109.92	81.54	56.32	9.32
5/20/2023	22	108.70	79.94	54.75	9.22
5/20/2023	23	99.44	76.96	54.47	9.06
5/20/2023	24	87.91	75.33	57.17	8.83
5/21/2023	1	82.37	73.83	53.99	8.68
5/21/2023	2	78.35	73.37	54.90	8.70
5/21/2023	3	76.48	73.19	53.56	8.67
5/21/2023	4	76.15	73.18	53.86	8.74
5/21/2023	5	77.24	73.89	54.16	8.73
5/21/2023	6	81.43	74.97	54.30	8.85
5/21/2023	7	89.59	75.86	52.83	8.72
5/21/2023	8	100.07	78.89	53.71	8.73
5/21/2023	9	106.67	84.01	52.93	8.94
5/21/2023	10	108.45	87.50	53.18	8.97
5/21/2023	11	107.82	89.50	53.36	9.09
5/21/2023	12	109.28	91.12	49.37	9.39
5/21/2023	13	108.64	91.43	50.02	9.40
5/21/2023	14	107.82	91.69	49.92	9.56
5/21/2023	15	108.95	91.96	50.32	9.49
5/21/2023	16	113.27	91.73	50.43	9.76
5/21/2023	17	120.00	91.69	50.13	9.75
5/21/2023	18	124.91	90.21	49.12	9.72
5/21/2023	19	127.11	87.69	53.70	9.49
5/21/2023	20	126.89	85.08	52.32	9.22
5/21/2023	21	125.16	82.90	57.18	9.34
5/21/2023	22	115.09	80.35	63.34	9.08
5/21/2023	23	96.82	77.65	65.06	8.87
5/21/2023	24	82.47	76.66	67.43	8.92
5/22/2023	1	73.84	74.57	66.01	8.60
5/22/2023	2	69.89	74.20	66.10	8.55
5/22/2023	3	68.70	74.01	62.29	8.79
5/22/2023	4	69.75	74.46	65.63	8.77
5/22/2023	5	74.75	76.72	71.85	9.37
5/22/2023	6	86.81	80.77	77.29	10.86
5/22/2023	7	94.67	83.93	83.78	13.16
5/22/2023	8	91.09	90.20	87.18	15.71
5/22/2023	9	90.50	97.26	89.63	16.97
5/22/2023	10	90.33	101.66	91.67	17.66
5/22/2023	11	91.11	105.07	91.97	18.10
5/22/2023	12	93.14	106.73	93.67	18.09
5/22/2023	13	95.10	108.28	94.13	17.89
5/22/2023	14	96.88	108.04	92.91	17.89
5/22/2023	15	101.77	107.91	90.66	16.81
5/22/2023	16	111.92	106.19	84.59	15.18
5/22/2023	17	122.75	101.60	81.96	14.12
5/22/2023	18	129.31	97.86	77.97	13.34

5/22/2023	19	129.41	94.32	76.91	12.49
5/22/2023	20	128.47	90.30	75.92	11.72
5/22/2023	21	126.47	88.10	75.94	11.34
5/22/2023	22	115.67	84.73	74.78	10.51
5/22/2023	23	97.55	81.47	71.19	9.71
5/22/2023	24	84.23	79.74	70.38	9.31
5/23/2023	1	74.52	77.71	69.61	9.18
5/23/2023	2	69.75	76.75	68.92	8.88
5/23/2023	3	67.93	76.32	67.07	8.77
5/23/2023	4	68.46	76.80	67.94	8.96
5/23/2023	5	72.14	78.69	73.04	9.63
5/23/2023	6	82.85	82.39	79.38	10.98
5/23/2023	7	90.77	86.40	85.09	13.56
5/23/2023	8	87.67	93.47	90.12	16.18
5/23/2023	9	86.95	100.06	88.69	17.46
5/23/2023	10	87.84	104.86	89.57	18.29
5/23/2023	11	90.45	109.21	92.50	18.90
5/23/2023	12	94.89	111.99	94.84	19.28
5/23/2023	13	99.09	113.67	95.35	19.03
5/23/2023	14	103.36	113.97	94.58	18.85
5/23/2023	15	110.81	114.34	90.28	17.44
5/23/2023	16	123.05	112.72	88.20	15.64
5/23/2023	17	135.40	108.19	83.93	14.43
5/23/2023	18	141.35	103.96	80.86	13.54
5/23/2023	19	141.10	100.21	70.61	12.74
5/23/2023	20	139.50	95.89	74.44	11.95
5/23/2023	21	135.48	91.97	77.45	11.28
5/23/2023	22	123.40	87.79	74.35	10.36
5/23/2023	23	103.13	83.66	70.22	9.81
5/23/2023	24	85.36	80.33	69.31	9.48
5/24/2023	1	77.49	78.71	67.24	9.23
5/24/2023	2	72.10	77.68	68.54	9.06
5/24/2023	3	69.69	77.40	68.44	9.08
5/24/2023	4	69.88	77.62	69.97	9.24
5/24/2023	5	73.50	79.49	75.67	10.07
5/24/2023	6	82.93	82.97	81.80	11.30
5/24/2023	7	90.72	87.69	87.68	13.70
5/24/2023	8	88.90	95.27	91.04	16.38
5/24/2023	9	88.19	102.37	92.53	17.91
5/24/2023	10	89.92	107.09	93.60	18.88
5/24/2023	11	93.16	110.65	95.10	18.97
5/24/2023	12	97.40	111.54	95.75	18.96
5/24/2023	13	100.72	112.31	97.34	18.79
5/24/2023	14	104.23	113.62	95.59	18.65
5/24/2023	15	110.15	113.20	91.94	17.65
5/24/2023	16	119.42	110.34	84.78	15.62
5/24/2023	17	127.95	105.65	82.27	14.28
5/24/2023	18	130.21	100.48	78.74	13.20
5/24/2023	19	126.91	95.79	77.93	12.36
5/24/2023	20	122.90	91.04	76.11	11.55
5/24/2023	21	120.22	88.15	76.23	10.97
5/24/2023	22	109.96	84.91	76.12	10.18

5/24/2023	23	93.61	81.28	73.59	9.63
5/24/2023	24	81.47	78.29	69.67	9.30
5/25/2023	1	73.16	75.85	70.21	9.09
5/25/2023	2	69.67	75.72	69.48	9.13
5/25/2023	3	68.84	75.72	70.02	9.06
5/25/2023	4	69.94	76.47	68.87	9.21
5/25/2023	5	74.91	78.59	72.40	9.90
5/25/2023	6	86.88	82.60	78.14	11.40
5/25/2023	7	95.98	86.19	84.33	13.63
5/25/2023	8	93.54	92.14	86.24	15.72
5/25/2023	9	92.56	96.12	86.48	16.44
5/25/2023	10	91.27	99.14	86.94	17.08
5/25/2023	11	91.17	102.03	87.63	16.87
5/25/2023	12	90.77	102.93	88.93	16.86
5/25/2023	13	89.77	104.01	89.30	16.98
5/25/2023	14	89.15	104.47	87.56	16.62
5/25/2023	15	90.97	104.28	84.27	15.64
5/25/2023	16	96.71	102.75	77.74	14.16
5/25/2023	17	104.21	98.78	75.52	13.35
5/25/2023	18	108.59	95.15	73.48	12.43
5/25/2023	19	110.05	90.93	72.56	11.87
5/25/2023	20	112.23	87.98	72.34	11.46
5/25/2023	21	115.18	86.21	70.34	11.07
5/25/2023	22	110.14	84.31	71.70	10.39
5/25/2023	23	95.96	80.93	67.60	9.80
5/25/2023	24	84.85	79.14	62.95	9.48
5/26/2023	1	76.67	77.45	66.71	9.30
5/26/2023	2	73.34	76.40	68.11	9.43
5/26/2023	3	72.52	75.85	66.17	9.26
5/26/2023	4	74.03	76.41	67.65	9.40
5/26/2023	5	78.76	77.86	70.41	10.04
5/26/2023	6	90.62	81.90	75.91	11.41
5/26/2023	7	100.21	85.71	80.99	13.72
5/26/2023	8	99.39	91.65	82.68	15.61
5/26/2023	9	98.72	97.95	82.80	16.26
5/26/2023	10	97.21	100.80	84.75	16.65
5/26/2023	11	96.25	102.79	83.69	17.03
5/26/2023	12	96.37	103.41	82.62	16.77
5/26/2023	13	96.02	104.01	83.55	16.39
5/26/2023	14	96.48	103.95	82.62	16.32
5/26/2023	15	98.66	103.81	78.29	15.26
5/26/2023	16	104.23	103.34	75.96	13.72
5/26/2023	17	110.81	101.04	72.75	12.68
5/26/2023	18	114.84	98.27	67.71	11.84
5/26/2023	19	115.04	95.51	61.83	11.33
5/26/2023	20	114.63	91.34	58.30	10.83
5/26/2023	21	114.35	88.65	56.52	10.67
5/26/2023	22	111.30	86.49	54.16	10.38
5/26/2023	23	99.73	82.63	51.01	10.01
5/26/2023	24	88.80	79.73	46.03	9.59
5/27/2023	1	79.50	77.65	48.18	9.47
5/27/2023	2	75.15	76.78	47.58	9.43

5/27/2023	3	73.17	76.65	44.31	9.32
5/27/2023	4	73.31	76.56	43.41	9.23
5/27/2023	5	75.04	77.30	43.67	9.38
5/27/2023	6	80.66	78.21	43.49	9.44
5/27/2023	7	90.04	79.25	42.16	9.37
5/27/2023	8	101.60	83.67	41.72	9.63
5/27/2023	9	109.30	89.54	42.49	9.72
5/27/2023	10	111.84	93.20	43.46	10.23
5/27/2023	11	111.92	96.35	43.82	10.61
5/27/2023	12	111.97	97.85	44.48	10.56
5/27/2023	13	111.67	98.99	43.75	10.66
5/27/2023	14	112.24	99.01	44.46	10.49
5/27/2023	15	114.04	100.17	44.20	10.53
5/27/2023	16	118.24	100.04	44.76	10.65
5/27/2023	17	123.87	99.56	43.86	10.57
5/27/2023	18	126.11	97.27	42.59	10.30
5/27/2023	19	124.70	93.82	41.96	10.02
5/27/2023	20	121.73	90.80	40.98	9.67
5/27/2023	21	120.79	89.01	40.22	9.86
5/27/2023	22	116.78	86.77	40.40	10.01
5/27/2023	23	104.77	82.94	39.55	9.61
5/27/2023	24	91.78	80.37	38.23	9.39
5/28/2023	1	80.58	78.23	38.19	9.18
5/28/2023	2	74.94	77.04	38.00	9.05
5/28/2023	3	72.29	76.48	38.62	9.06
5/28/2023	4	71.29	76.54	38.25	9.12
5/28/2023	5	72.24	77.03	38.16	9.16
5/28/2023	6	76.35	77.31	38.03	9.27
5/28/2023	7	84.89	79.07	38.45	9.05
5/28/2023	8	97.91	82.61	39.16	9.19
5/28/2023	9	108.70	88.57	39.69	9.58
5/28/2023	10	113.68	93.19	41.13	10.00
5/28/2023	11	116.06	96.55	41.79	10.21
5/28/2023	12	119.16	98.62	42.41	10.54
5/28/2023	13	121.57	98.74	42.95	10.80
5/28/2023	14	123.28	99.33	42.37	10.75
5/28/2023	15	126.25	99.59	42.50	10.69
5/28/2023	16	131.02	99.57	42.83	10.92
5/28/2023	17	137.03	98.98	42.01	10.84
5/28/2023	18	139.01	97.13	39.72	10.53
5/28/2023	19	137.07	94.01	38.33	10.39
5/28/2023	20	133.30	91.12	38.02	10.04
5/28/2023	21	129.84	89.54	37.90	9.81
5/28/2023	22	124.57	87.37	38.13	9.61
5/28/2023	23	109.85	83.66	37.39	9.45
5/28/2023	24	95.10	81.27	41.83	9.39
5/29/2023	1	82.39	78.56	37.09	9.15
5/29/2023	2	75.84	77.30	36.34	9.08
5/29/2023	3	72.48	76.69	37.16	9.15
5/29/2023	4	71.18	76.69	36.79	9.24
5/29/2023	5	71.84	77.60	35.78	10.05
5/29/2023	6	75.71	78.25	35.30	10.77

5/29/2023	7	83.33	79.44	35.36	11.28
5/29/2023	8	96.66	83.70	36.92	11.87
5/29/2023	9	110.12	90.22	39.54	12.68
5/29/2023	10	118.38	95.18	41.19	13.37
5/29/2023	11	126.79	99.11	41.52	13.59
5/29/2023	12	134.66	101.76	41.30	13.75
5/29/2023	13	139.33	102.70	40.95	13.48
5/29/2023	14	142.84	103.32	40.60	13.62
5/29/2023	15	147.31	103.19	41.09	13.50
5/29/2023	16	154.14	102.82	41.41	13.10
5/29/2023	17	162.72	102.72	41.32	12.71
5/29/2023	18	168.41	101.53	40.30	12.20
5/29/2023	19	168.95	99.63	44.05	11.79
5/29/2023	20	164.27	96.32	41.56	11.35
5/29/2023	21	155.43	93.15	48.22	10.91
5/29/2023	22	140.13	89.71	53.60	10.37
5/29/2023	23	116.49	85.68	54.16	9.92
5/29/2023	24	102.70	84.75	60.59	9.74
5/30/2023	1	84.71	81.49	55.27	9.30
5/30/2023	2	77.75	80.39	56.29	9.19
5/30/2023	3	74.38	79.73	56.63	9.10
5/30/2023	4	73.71	79.90	58.76	9.24
5/30/2023	5	76.86	81.70	64.90	10.16
5/30/2023	6	87.00	85.16	73.03	11.87
5/30/2023	7	94.71	90.12	80.23	14.39
5/30/2023	8	95.02	99.59	87.85	17.32
5/30/2023	9	97.51	108.03	90.46	18.60
5/30/2023	10	102.51	114.19	94.55	20.14
5/30/2023	11	110.81	119.39	96.46	21.01
5/30/2023	12	123.16	123.35	95.50	21.50
5/30/2023	13	134.14	124.96	100.35	21.52
5/30/2023	14	144.54	125.70	98.42	21.49
5/30/2023	15	155.21	125.50	91.82	20.12
5/30/2023	16	168.51	122.45	90.83	17.61
5/30/2023	17	183.57	118.07	88.49	16.07
5/30/2023	18	193.70	115.66	85.52	15.25
5/30/2023	19	196.11	111.96	81.63	14.41
5/30/2023	20	192.46	107.40	81.27	13.89
5/30/2023	21	183.14	102.59	81.14	12.85
5/30/2023	22	166.78	97.39	81.83	11.71
5/30/2023	23	140.86	92.58	78.63	10.82
5/30/2023	24	121.65	90.53	75.01	10.53
5/31/2023	1	103.97	87.81	73.40	10.01
5/31/2023	2	94.19	86.23	70.61	10.07
5/31/2023	3	88.38	85.38	72.46	10.09
5/31/2023	4	85.87	85.58	69.19	10.31
5/31/2023	5	87.42	87.53	74.07	11.23
5/31/2023	6	94.97	90.83	82.33	13.63
5/31/2023	7	103.09	96.54	86.63	16.80
5/31/2023	8	105.36	106.17	91.92	19.82
5/31/2023	9	113.73	115.97	95.08	21.52
5/31/2023	10	126.35	124.10	97.07	22.71

5/31/2023	11	141.30	129.37	95.37	23.12
5/31/2023	12	156.01	131.87	97.01	23.32
5/31/2023	13	169.17	133.56	98.36	23.37
5/31/2023	14	180.06	134.59	98.14	23.33
5/31/2023	15	192.22	134.58	94.07	21.77
5/31/2023	16	208.51	132.68	88.88	19.60
5/31/2023	17	221.95	128.37	84.24	17.97
5/31/2023	18	227.83	123.87	82.37	16.66
5/31/2023	19	224.89	119.15	80.38	15.67
5/31/2023	20	214.69	113.31	77.97	14.62
5/31/2023	21	200.92	107.43	76.98	13.85
5/31/2023	22	182.34	102.37	79.12	12.62
5/31/2023	23	154.03	96.95	75.00	11.50
5/31/2023	24	128.08	93.27	73.62	11.07
6/1/2023	1	112.31	90.55	71.76	10.67
6/1/2023	2	100.81	88.93	71.85	10.58
6/1/2023	3	93.55	88.23	70.08	10.41
6/1/2023	4	90.14	88.19	70.18	10.60
6/1/2023	5	90.91	89.67	76.59	11.44
6/1/2023	6	98.68	93.14	82.14	13.78
6/1/2023	7	106.53	98.82	86.10	17.03
6/1/2023	8	108.98	109.22	91.00	20.38
6/1/2023	9	117.21	119.14	92.99	22.17
6/1/2023	10	130.30	127.35	94.68	22.90
6/1/2023	11	146.09	129.08	94.58	23.58
6/1/2023	12	163.70	135.08	93.23	23.76
6/1/2023	13	176.72	136.51	96.95	23.90
6/1/2023	14	183.65	136.26	96.02	23.81
6/1/2023	15	188.71	133.28	92.88	21.78
6/1/2023	16	189.71	127.33	85.25	19.07
6/1/2023	17	199.38	123.79	82.65	17.33
6/1/2023	18	204.61	119.98	79.24	16.28
6/1/2023	19	205.56	117.98	79.89	15.85
6/1/2023	20	201.00	113.71	80.86	15.32
6/1/2023	21	190.12	108.84	79.13	14.14
6/1/2023	22	174.46	102.53	76.96	12.75
6/1/2023	23	148.26	97.39	74.95	11.63
6/1/2023	24	126.29	93.41	69.94	11.14
6/2/2023	1	108.26	90.32	71.08	10.81
6/2/2023	2	97.21	88.29	71.23	10.58
6/2/2023	3	90.62	86.96	70.89	10.52
6/2/2023	4	87.19	86.75	71.12	10.48
6/2/2023	5	87.90	87.91	74.46	11.17
6/2/2023	6	95.34	90.83	80.38	13.44
6/2/2023	7	102.88	96.19	85.07	16.69
6/2/2023	8	105.76	105.72	90.65	19.90
6/2/2023	9	113.20	115.19	88.81	21.19
6/2/2023	10	125.50	123.34	90.88	21.89
6/2/2023	11	139.71	128.99	92.73	22.48
6/2/2023	12	156.73	131.34	94.21	22.74
6/2/2023	13	172.91	132.70	90.82	22.68
6/2/2023	14	187.02	133.08	92.31	22.36

6/2/2023	15	200.80	131.04	87.99	20.89
6/2/2023	16	213.89	128.41	83.80	18.90
6/2/2023	17	222.68	124.46	79.83	17.20
6/2/2023	18	222.60	120.97	74.34	15.68
6/2/2023	19	213.22	116.57	71.33	14.84
6/2/2023	20	199.95	112.21	71.24	13.96
6/2/2023	21	186.28	108.69	70.25	13.20
6/2/2023	22	173.61	103.63	68.36	12.45
6/2/2023	23	151.46	97.38	65.82	11.54
6/2/2023	24	129.83	93.31	57.85	10.89
6/3/2023	1	112.13	90.35	62.63	10.68
6/3/2023	2	100.41	87.93	62.25	10.61
6/3/2023	3	92.33	86.15	61.81	10.43
6/3/2023	4	87.39	85.58	60.33	10.36
6/3/2023	5	85.49	85.97	61.35	10.27
6/3/2023	6	87.27	86.64	58.87	10.28
6/3/2023	7	94.82	89.31	58.64	10.56
6/3/2023	8	109.78	96.92	59.27	11.39
6/3/2023	9	126.65	105.51	62.56	12.08
6/3/2023	10	141.67	112.21	62.78	12.84
6/3/2023	11	157.62	117.73	63.97	13.15
6/3/2023	12	173.02	120.58	62.78	13.20
6/3/2023	13	186.19	121.46	63.61	13.56
6/3/2023	14	198.84	121.40	63.02	13.75
6/3/2023	15	208.78	121.52	63.07	13.63
6/3/2023	16	216.47	121.62	62.68	13.34
6/3/2023	17	220.41	119.46	62.02	13.13
6/3/2023	18	215.98	116.67	59.72	12.94
6/3/2023	19	208.06	115.02	56.43	12.43
6/3/2023	20	197.07	111.19	50.78	12.22
6/3/2023	21	184.50	106.83	47.07	11.91
6/3/2023	22	173.19	102.39	45.81	11.56
6/3/2023	23	153.29	97.38	44.82	11.00
6/3/2023	24	123.84	90.92	47.68	10.48
6/4/2023	1	115.37	90.17	43.45	10.43
6/4/2023	2	103.03	87.76	43.39	10.24
6/4/2023	3	93.67	85.61	42.86	10.10
6/4/2023	4	87.92	84.17	42.47	9.97
6/4/2023	5	84.89	83.96	42.23	9.93
6/4/2023	6	85.21	83.65	41.95	10.09
6/4/2023	7	90.69	84.34	41.32	9.99
6/4/2023	8	101.92	87.76	42.16	10.22
6/4/2023	9	112.73	92.75	42.27	10.37
6/4/2023	10	120.53	96.95	43.47	10.82
6/4/2023	11	129.22	101.25	45.49	11.07
6/4/2023	12	138.65	103.92	46.00	11.56
6/4/2023	13	146.51	105.47	46.27	11.82
6/4/2023	14	154.69	107.00	46.63	12.02
6/4/2023	15	164.38	107.50	46.56	12.26
6/4/2023	16	175.49	107.58	46.04	12.44
6/4/2023	17	185.71	106.19	46.23	12.26
6/4/2023	18	190.62	104.53	46.35	12.04

6/4/2023	19	186.79	101.20	50.54	12.01
6/4/2023	20	175.59	96.54	48.05	11.58
6/4/2023	21	160.03	93.30	54.04	11.08
6/4/2023	22	142.74	89.44	57.32	10.62
6/4/2023	23	118.34	85.34	59.08	10.19
6/4/2023	24	96.84	84.46	62.18	9.99
6/5/2023	1	85.81	81.15	60.63	9.85
6/5/2023	2	78.44	79.82	61.05	9.66
6/5/2023	3	75.19	79.08	61.49	9.73
6/5/2023	4	74.87	78.88	60.71	9.80
6/5/2023	5	78.20	80.74	66.00	10.60
6/5/2023	6	86.81	84.22	75.65	12.34
6/5/2023	7	92.89	88.34	82.90	14.86
6/5/2023	8	91.69	95.68	86.67	17.06
6/5/2023	9	92.66	102.90	91.24	18.26
6/5/2023	10	95.85	108.71	94.85	19.31
6/5/2023	11	100.53	112.96	97.36	19.77
6/5/2023	12	106.60	115.23	97.35	20.06
6/5/2023	13	111.60	117.81	99.18	19.83
6/5/2023	14	118.17	119.48	97.84	19.74
6/5/2023	15	127.63	119.42	91.60	18.48
6/5/2023	16	142.45	117.69	88.52	16.70
6/5/2023	17	157.56	114.12	84.17	15.49
6/5/2023	18	165.67	109.76	81.16	14.48
6/5/2023	19	162.65	105.86	79.99	13.70
6/5/2023	20	155.37	101.20	78.23	13.00
6/5/2023	21	146.45	97.50	76.80	12.13
6/5/2023	22	132.63	93.87	75.33	11.14
6/5/2023	23	111.43	89.73	73.55	10.42
6/5/2023	24	92.00	87.07	74.60	9.83
6/6/2023	1	83.57	85.27	71.71	9.65
6/6/2023	2	77.48	83.92	70.36	9.56
6/6/2023	3	74.72	83.45	70.34	9.37
6/6/2023	4	74.45	83.45	71.50	9.68
6/6/2023	5	77.63	85.81	77.02	10.64
6/6/2023	6	86.13	89.98	83.18	12.80
6/6/2023	7	92.44	94.35	90.15	15.27
6/6/2023	8	91.80	102.17	91.34	17.32
6/6/2023	9	92.31	108.51	93.56	18.25
6/6/2023	10	94.07	113.43	95.14	19.07
6/6/2023	11	98.68	118.51	98.01	19.61
6/6/2023	12	105.05	120.88	100.05	19.78
6/6/2023	13	107.96	120.41	98.71	19.12
6/6/2023	14	107.93	117.62	95.35	18.42
6/6/2023	15	109.01	115.23	90.71	16.63
6/6/2023	16	115.57	112.98	87.28	14.85
6/6/2023	17	126.70	110.00	84.11	13.90
6/6/2023	18	131.89	105.89	81.26	13.08
6/6/2023	19	130.88	102.21	80.04	12.16
6/6/2023	20	129.33	97.92	79.87	11.70
6/6/2023	21	126.30	96.28	79.13	11.43
6/6/2023	22	116.54	92.69	79.27	10.53

6/6/2023	23	99.53	89.33	78.27	9.98
6/6/2023	24	85.18	86.35	74.55	9.56
6/7/2023	1	77.37	84.90	74.86	9.34
6/7/2023	2	72.85	83.71	71.47	9.20
6/7/2023	3	71.13	83.24	71.95	9.21
6/7/2023	4	71.65	83.22	71.95	9.45
6/7/2023	5	75.29	84.75	76.20	10.19
6/7/2023	6	84.44	87.72	81.59	11.79
6/7/2023	7	91.02	91.40	85.95	13.97
6/7/2023	8	89.99	98.30	87.23	16.04
6/7/2023	9	90.09	104.85	89.30	16.94
6/7/2023	10	90.89	109.70	91.32	17.72
6/7/2023	11	93.06	113.11	90.97	17.76
6/7/2023	12	97.39	114.86	91.08	17.50
6/7/2023	13	99.50	115.97	93.27	17.42
6/7/2023	14	101.56	116.12	90.78	17.30
6/7/2023	15	106.37	116.03	86.37	16.33
6/7/2023	16	114.57	114.60	83.29	14.81
6/7/2023	17	123.89	110.03	80.09	13.69
6/7/2023	18	128.39	106.08	77.96	12.83
6/7/2023	19	126.64	102.23	74.44	12.22
6/7/2023	20	123.52	97.88	65.85	11.56
6/7/2023	21	120.38	94.32	71.45	11.11
6/7/2023	22	112.75	91.60	70.58	10.45
6/7/2023	23	97.03	87.95	69.58	9.75
6/7/2023	24	83.90	85.45	67.98	9.58
6/8/2023	1	75.50	83.48	65.29	9.36
6/8/2023	2	71.36	82.54	66.03	9.24
6/8/2023	3	69.92	81.99	67.61	9.18
6/8/2023	4	70.71	81.61	68.19	9.33
6/8/2023	5	74.82	83.26	72.21	9.75
6/8/2023	6	83.92	86.28	77.78	11.09
6/8/2023	7	91.12	90.22	82.86	13.38
6/8/2023	8	90.44	97.50	88.37	15.62
6/8/2023	9	91.11	104.46	90.17	16.47
6/8/2023	10	91.60	109.44	92.69	16.94
6/8/2023	11	93.18	113.61	92.88	16.88
6/8/2023	12	95.90	114.50	92.29	16.76
6/8/2023	13	97.42	115.89	93.06	16.88
6/8/2023	14	99.23	116.58	94.05	16.50
6/8/2023	15	103.00	116.37	88.62	15.70
6/8/2023	16	110.75	114.39	83.51	14.48
6/8/2023	17	119.41	110.04	80.01	13.56
6/8/2023	18	123.24	106.16	74.09	12.91
6/8/2023	19	122.33	102.72	71.12	12.40
6/8/2023	20	120.44	98.15	68.28	11.63
6/8/2023	21	119.05	94.86	67.67	11.04
6/8/2023	22	112.53	91.85	69.21	10.37
6/8/2023	23	97.57	88.00	67.20	9.82
6/8/2023	24	86.53	85.54	64.53	9.78
6/9/2023	1	76.36	83.24	68.08	9.35
6/9/2023	2	71.89	82.21	67.11	9.25

6/9/2023	3	70.20	81.58	66.55	9.30
6/9/2023	4	70.82	81.73	67.47	9.49
6/9/2023	5	74.59	83.07	70.57	10.09
6/9/2023	6	82.62	86.01	77.24	11.30
6/9/2023	7	90.11	89.83	81.28	12.85
6/9/2023	8	92.44	96.76	83.92	14.70
6/9/2023	9	94.59	103.61	84.91	15.82
6/9/2023	10	96.24	108.62	87.14	15.92
6/9/2023	11	98.07	112.08	86.75	16.09
6/9/2023	12	100.92	114.14	87.05	16.11
6/9/2023	13	103.02	115.93	89.06	15.84
6/9/2023	14	105.63	116.59	87.35	15.73
6/9/2023	15	110.58	116.48	82.95	15.00
6/9/2023	16	118.57	115.35	77.12	14.09
6/9/2023	17	126.94	112.06	75.18	13.04
6/9/2023	18	131.29	109.00	71.93	12.34
6/9/2023	19	130.33	105.79	64.73	11.79
6/9/2023	20	126.82	101.39	62.72	11.39
6/9/2023	21	122.80	97.17	59.68	11.06
6/9/2023	22	118.24	93.61	57.29	10.69
6/9/2023	23	105.32	88.89	53.72	10.06
6/9/2023	24	95.81	86.14	50.61	9.77
6/10/2023	1	80.75	82.99	51.29	9.34
6/10/2023	2	74.67	81.92	50.02	9.17
6/10/2023	3	71.80	81.04	49.76	9.12
6/10/2023	4	70.58	81.08	50.32	9.15
6/10/2023	5	71.48	81.99	52.12	9.44
6/10/2023	6	75.67	83.07	52.16	9.56
6/10/2023	7	83.62	85.17	51.73	9.56
6/10/2023	8	93.69	90.11	52.96	10.09
6/10/2023	9	102.44	96.53	54.05	10.61
6/10/2023	10	107.43	102.20	54.23	10.94
6/10/2023	11	112.55	106.66	53.85	11.39
6/10/2023	12	118.45	108.77	53.97	11.57
6/10/2023	13	124.53	110.21	54.39	11.95
6/10/2023	14	131.26	110.50	53.92	11.93
6/10/2023	15	139.19	111.15	53.47	12.05
6/10/2023	16	149.94	111.48	53.42	11.80
6/10/2023	17	160.59	111.01	52.67	11.78
6/10/2023	18	165.36	108.91	51.44	11.45
6/10/2023	19	162.34	105.67	49.48	11.18
6/10/2023	20	155.09	101.61	48.78	10.90
6/10/2023	21	148.14	98.71	48.86	10.65
6/10/2023	22	140.88	94.91	48.04	10.55
6/10/2023	23	125.29	90.88	46.76	10.22
6/10/2023	24	102.39	85.82	48.74	9.63
6/11/2023	1	95.80	85.40	47.04	9.68
6/11/2023	2	87.19	83.61	46.46	9.49
6/11/2023	3	81.87	82.47	45.29	9.44
6/11/2023	4	78.53	82.41	44.44	9.53
6/11/2023	5	77.51	83.06	44.74	9.61
6/11/2023	6	79.03	83.87	43.76	9.81

6/11/2023	7	84.82	84.91	43.56	9.73
6/11/2023	8	95.36	87.58	43.53	9.93
6/11/2023	9	105.85	91.70	42.35	9.94
6/11/2023	10	112.60	93.87	43.43	10.16
6/11/2023	11	117.44	95.32	43.92	10.14
6/11/2023	12	120.98	96.63	44.57	10.38
6/11/2023	13	122.15	95.95	44.85	10.41
6/11/2023	14	120.88	95.47	44.83	10.50
6/11/2023	15	120.52	94.71	47.01	10.29
6/11/2023	16	122.01	93.39	46.87	9.94
6/11/2023	17	126.13	92.17	47.36	9.67
6/11/2023	18	127.35	90.44	46.58	9.63
6/11/2023	19	126.68	88.64	50.28	9.65
6/11/2023	20	124.85	86.43	48.83	9.49
6/11/2023	21	120.48	85.78	52.73	9.44
6/11/2023	22	112.03	84.26	52.58	9.23
6/11/2023	23	97.81	82.27	55.72	9.09
6/11/2023	24	84.21	80.41	61.35	9.26
6/12/2023	1	76.91	79.45	56.91	9.13
6/12/2023	2	72.69	78.68	59.17	9.07
6/12/2023	3	71.07	78.04	57.05	9.05
6/12/2023	4	71.86	78.28	57.97	9.29
6/12/2023	5	74.84	79.76	64.51	9.85
6/12/2023	6	82.22	83.45	71.32	11.05
6/12/2023	7	88.81	87.01	77.63	12.78
6/12/2023	8	91.43	91.62	82.71	13.89
6/12/2023	9	93.76	96.54	86.13	14.38
6/12/2023	10	96.33	99.93	87.62	14.64
6/12/2023	11	98.92	101.77	89.48	14.37
6/12/2023	12	100.63	102.61	89.05	14.36
6/12/2023	13	99.69	103.21	89.33	14.54
6/12/2023	14	98.33	102.46	88.25	14.33
6/12/2023	15	98.50	101.54	85.77	13.53
6/12/2023	16	101.83	99.44	80.53	12.69
6/12/2023	17	109.36	96.46	78.86	12.04
6/12/2023	18	114.36	93.67	77.69	11.64
6/12/2023	19	114.91	90.96	77.39	11.32
6/12/2023	20	114.18	88.05	76.92	10.87
6/12/2023	21	113.37	86.14	75.45	10.38
6/12/2023	22	107.27	84.19	74.39	10.00
6/12/2023	23	93.03	81.33	73.61	9.72
6/12/2023	24	81.18	79.86	74.31	9.46
6/13/2023	1	74.84	78.84	74.06	9.42
6/13/2023	2	70.97	78.27	73.02	9.14
6/13/2023	3	69.81	77.80	72.80	9.20
6/13/2023	4	70.28	78.43	71.03	9.44
6/13/2023	5	73.96	80.35	76.57	10.08
6/13/2023	6	81.07	83.64	80.94	11.14
6/13/2023	7	87.55	87.78	87.76	12.59
6/13/2023	8	89.24	94.44	91.03	13.92
6/13/2023	9	91.16	99.23	92.39	14.61
6/13/2023	10	92.75	102.71	94.96	14.50

6/13/2023	11	94.22	104.72	95.58	14.54
6/13/2023	12	96.04	105.10	94.20	14.47
6/13/2023	13	95.00	105.78	94.58	14.35
6/13/2023	14	93.81	104.85	95.55	13.97
6/13/2023	15	95.62	104.06	90.85	13.36
6/13/2023	16	101.64	100.97	86.62	12.62
6/13/2023	17	113.02	96.23	83.58	11.98
6/13/2023	18	119.00	92.96	79.82	11.22
6/13/2023	19	118.39	90.66	79.71	10.93
6/13/2023	20	116.10	88.42	79.26	10.61
6/13/2023	21	112.50	87.27	78.24	10.48
6/13/2023	22	103.92	85.19	77.87	9.84
6/13/2023	23	91.67	82.24	74.23	9.41
6/13/2023	24	82.47	81.09	73.43	9.46
6/14/2023	1	75.33	79.41	72.20	9.36
6/14/2023	2	71.96	78.49	71.56	9.35
6/14/2023	3	70.58	78.34	72.03	9.19
6/14/2023	4	71.56	78.93	73.35	9.28
6/14/2023	5	74.87	80.91	76.99	10.03
6/14/2023	6	82.09	85.25	82.69	11.28
6/14/2023	7	88.40	88.94	88.08	12.39
6/14/2023	8	90.17	94.04	89.88	13.05
6/14/2023	9	90.40	97.64	89.92	12.81
6/14/2023	10	93.30	101.26	92.09	13.68
6/14/2023	11	95.32	103.63	92.21	14.10
6/14/2023	12	96.68	104.71	91.07	13.82
6/14/2023	13	96.43	106.80	96.17	13.84
6/14/2023	14	96.49	108.24	95.71	13.95
6/14/2023	15	98.07	108.53	94.78	13.30
6/14/2023	16	103.86	107.19	89.24	12.63
6/14/2023	17	112.54	103.08	86.61	12.24
6/14/2023	18	117.72	100.17	84.41	11.80
6/14/2023	19	117.97	97.29	83.31	11.51
6/14/2023	20	117.52	93.40	81.77	11.03
6/14/2023	21	117.84	91.17	80.86	10.54
6/14/2023	22	113.13	88.25	77.96	10.14
6/14/2023	23	98.18	84.83	76.16	9.63
6/14/2023	24	84.91	82.29	72.47	9.45
6/15/2023	1	77.21	80.72	71.09	9.33
6/15/2023	2	72.52	79.56	72.13	9.15
6/15/2023	3	70.97	78.93	70.07	9.18
6/15/2023	4	71.28	79.37	69.76	9.41
6/15/2023	5	74.48	81.32	73.14	9.84
6/15/2023	6	81.39	84.81	81.60	10.80
6/15/2023	7	87.90	89.22	87.93	11.95
6/15/2023	8	90.44	96.96	90.77	13.29
6/15/2023	9	91.56	103.17	92.16	14.04
6/15/2023	10	93.08	108.44	96.64	14.78
6/15/2023	11	95.81	113.53	97.30	14.89
6/15/2023	12	100.07	115.37	96.67	15.24
6/15/2023	13	102.43	116.23	99.48	15.17
6/15/2023	14	104.93	115.59	99.31	15.00

6/15/2023	15	107.10	111.43	94.68	14.01
6/15/2023	16	109.90	106.96	87.67	12.86
6/15/2023	17	114.49	102.88	85.86	11.96
6/15/2023	18	115.21	99.12	82.06	11.26
6/15/2023	19	113.72	95.40	80.78	10.98
6/15/2023	20	113.14	91.71	82.36	10.48
6/15/2023	21	113.55	89.95	78.61	10.13
6/15/2023	22	109.09	87.74	77.08	9.74
6/15/2023	23	96.02	84.32	75.83	9.57
6/15/2023	24	86.05	83.40	72.04	9.44
6/16/2023	1	77.37	81.02	72.74	9.37
6/16/2023	2	73.17	80.12	72.16	9.36
6/16/2023	3	71.55	79.86	71.86	9.37
6/16/2023	4	71.94	80.54	73.64	9.49
6/16/2023	5	74.98	82.48	73.80	9.97
6/16/2023	6	81.32	86.11	77.20	10.97
6/16/2023	7	88.43	90.48	82.78	12.09
6/16/2023	8	92.56	96.94	85.27	12.59
6/16/2023	9	95.37	102.60	84.14	13.33
6/16/2023	10	97.72	106.20	84.82	13.71
6/16/2023	11	99.35	109.18	85.95	13.81
6/16/2023	12	100.91	110.51	87.00	13.58
6/16/2023	13	100.74	112.02	87.60	13.79
6/16/2023	14	101.82	112.39	85.64	13.72
6/16/2023	15	104.70	112.66	82.98	13.22
6/16/2023	16	110.07	111.78	78.54	12.57
6/16/2023	17	117.01	109.10	75.63	11.86
6/16/2023	18	120.09	105.42	71.23	11.17
6/16/2023	19	118.48	102.14	69.54	10.95
6/16/2023	20	115.61	98.56	69.13	10.56
6/16/2023	21	115.02	96.41	66.85	10.30
6/16/2023	22	112.33	93.60	64.06	10.01
6/16/2023	23	101.68	89.33	61.79	9.78
6/16/2023	24	91.80	86.99	55.19	9.50
6/17/2023	1	80.55	84.04	58.95	9.24
6/17/2023	2	75.44	82.53	51.76	9.23
6/17/2023	3	72.56	81.67	53.14	9.25
6/17/2023	4	71.83	81.32	53.03	9.36
6/17/2023	5	73.20	82.36	55.62	9.43
6/17/2023	6	77.48	83.31	57.71	9.26
6/17/2023	7	85.47	84.82	57.70	9.07
6/17/2023	8	95.23	89.67	57.11	9.63
6/17/2023	9	103.25	96.10	58.31	10.40
6/17/2023	10	108.19	100.67	58.51	10.74
6/17/2023	11	111.55	104.61	58.52	10.73
6/17/2023	12	114.37	106.52	59.39	10.59
6/17/2023	13	116.16	107.73	56.32	10.80
6/17/2023	14	118.89	108.63	57.82	11.17
6/17/2023	15	123.76	109.16	60.54	11.02
6/17/2023	16	129.83	109.77	60.64	11.05
6/17/2023	17	136.83	109.36	59.19	11.10
6/17/2023	18	140.89	108.21	58.48	10.98

6/17/2023	19	139.23	105.86	52.99	11.04
6/17/2023	20	134.67	102.40	46.59	10.53
6/17/2023	21	129.95	99.37	44.44	10.37
6/17/2023	22	125.48	96.85	42.63	10.11
6/17/2023	23	112.10	92.03	40.56	9.66
6/17/2023	24	100.40	89.23	44.58	9.54
6/18/2023	1	85.39	86.65	40.50	9.26
6/18/2023	2	78.24	84.67	40.97	9.26
6/18/2023	3	74.30	83.45	40.73	9.21
6/18/2023	4	72.38	82.62	40.40	9.16
6/18/2023	5	72.81	82.96	40.85	9.19
6/18/2023	6	75.97	82.84	40.32	9.15
6/18/2023	7	83.86	84.71	39.82	9.04
6/18/2023	8	95.75	90.35	41.11	9.42
6/18/2023	9	107.26	97.20	44.26	9.98
6/18/2023	10	115.04	103.49	46.05	10.32
6/18/2023	11	122.31	108.45	47.23	10.68
6/18/2023	12	131.73	110.56	47.92	10.56
6/18/2023	13	140.33	111.91	48.27	10.80
6/18/2023	14	149.73	112.89	48.57	11.02
6/18/2023	15	158.32	112.66	48.91	11.05
6/18/2023	16	167.40	112.57	48.54	11.17
6/18/2023	17	177.02	112.27	48.85	11.22
6/18/2023	18	180.47	110.98	48.46	11.08
6/18/2023	19	180.08	107.99	53.17	10.81
6/18/2023	20	174.66	103.87	50.29	10.79
6/18/2023	21	165.85	100.84	55.92	10.50
6/18/2023	22	153.39	97.37	60.27	10.44
6/18/2023	23	130.65	93.28	61.60	10.07
6/18/2023	24	110.62	91.87	64.63	9.91
6/19/2023	1	95.00	89.24	62.51	9.72
6/19/2023	2	86.45	88.12	63.72	9.61
6/19/2023	3	81.77	87.30	63.11	9.62
6/19/2023	4	79.69	87.00	64.88	10.11
6/19/2023	5	81.16	88.46	68.39	10.63
6/19/2023	6	85.00	92.00	77.74	12.10
6/19/2023	7	90.58	96.15	84.71	13.19
6/19/2023	8	95.70	102.89	89.73	14.42
6/19/2023	9	103.18	110.20	91.60	15.41
6/19/2023	10	111.61	116.49	93.98	16.21
6/19/2023	11	123.38	122.46	97.08	16.80
6/19/2023	12	136.75	126.01	98.21	16.84
6/19/2023	13	149.38	128.79	101.01	16.71
6/19/2023	14	161.06	130.36	101.85	16.94
6/19/2023	15	173.69	130.45	98.18	16.08
6/19/2023	16	188.42	129.27	91.96	15.15
6/19/2023	17	202.79	124.53	88.61	14.49
6/19/2023	18	210.04	121.05	84.12	13.92
6/19/2023	19	205.69	116.90	83.52	13.47
6/19/2023	20	195.76	112.22	83.21	12.83
6/19/2023	21	180.13	107.08	82.12	12.00
6/19/2023	22	161.94	102.96	83.09	11.21

6/19/2023	23	135.97	98.25	79.83	10.43
6/19/2023	24	118.26	95.76	76.42	10.37
6/20/2023	1	98.31	91.64	77.66	9.97
6/20/2023	2	88.50	89.77	75.58	9.86
6/20/2023	3	83.60	88.89	75.35	9.77
6/20/2023	4	81.52	88.70	77.92	9.82
6/20/2023	5	82.85	90.51	79.30	10.49
6/20/2023	6	88.38	93.82	86.42	12.14
6/20/2023	7	94.40	98.31	93.07	13.41
6/20/2023	8	98.17	106.81	96.89	14.97
6/20/2023	9	103.64	115.67	99.26	15.92
6/20/2023	10	112.01	123.44	101.22	16.65
6/20/2023	11	124.12	129.14	103.53	17.18
6/20/2023	12	138.96	132.85	102.93	17.48
6/20/2023	13	154.28	137.07	103.60	17.72
6/20/2023	14	169.84	138.22	102.46	18.21
6/20/2023	15	185.90	139.13	101.27	17.63
6/20/2023	16	201.96	137.54	96.82	16.83
6/20/2023	17	218.02	132.70	91.70	15.86
6/20/2023	18	225.64	127.99	86.10	14.94
6/20/2023	19	222.37	122.78	85.20	14.10
6/20/2023	20	213.74	117.79	85.11	13.63
6/20/2023	21	199.33	113.50	84.56	12.69
6/20/2023	22	182.27	108.63	83.85	11.91
6/20/2023	23	156.65	103.11	81.50	11.03
6/20/2023	24	132.01	99.83	79.83	11.03
6/21/2023	1	115.14	96.98	77.02	10.67
6/21/2023	2	102.65	95.19	76.75	10.48
6/21/2023	3	94.68	93.33	75.80	10.39
6/21/2023	4	90.60	92.78	75.82	10.39
6/21/2023	5	90.82	94.15	79.99	11.11
6/21/2023	6	95.01	97.63	85.98	13.24
6/21/2023	7	101.84	104.07	90.16	14.98
6/21/2023	8	108.73	113.37	96.11	16.54
6/21/2023	9	118.60	123.60	98.66	17.77
6/21/2023	10	132.81	131.03	98.21	18.53
6/21/2023	11	149.17	136.70	98.54	19.17
6/21/2023	12	167.36	139.67	100.30	19.15
6/21/2023	13	182.51	141.75	101.64	19.17
6/21/2023	14	196.44	143.35	99.41	19.16
6/21/2023	15	209.87	143.63	96.43	18.49
6/21/2023	16	221.92	141.05	89.40	17.37
6/21/2023	17	232.23	135.81	87.42	16.31
6/21/2023	18	235.79	131.08	82.34	15.21
6/21/2023	19	226.69	125.03	80.74	14.53
6/21/2023	20	213.13	118.79	82.31	13.65
6/21/2023	21	198.19	114.16	82.28	12.79
6/21/2023	22	181.68	110.08	80.92	12.06
6/21/2023	23	155.00	104.37	77.46	11.27
6/21/2023	24	126.07	100.89	76.76	10.89
6/22/2023	1	113.59	98.34	77.46	10.55
6/22/2023	2	101.24	96.06	77.38	10.30

6/22/2023	3	94.24	94.42	76.08	10.35
6/22/2023	4	89.74	93.66	74.22	9.63
6/22/2023	5	89.66	95.14	79.13	10.86
6/22/2023	6	93.98	98.51	85.58	12.86
6/22/2023	7	100.26	104.08	90.78	14.35
6/22/2023	8	106.83	109.97	94.69	15.98
6/22/2023	9	114.86	118.71	96.47	16.81
6/22/2023	10	125.57	125.39	100.14	17.71
6/22/2023	11	138.98	130.76	100.93	17.98
6/22/2023	12	153.09	133.73	102.31	18.04
6/22/2023	13	164.37	139.41	100.94	18.21
6/22/2023	14	172.14	140.35	99.83	17.88
6/22/2023	15	175.55	137.61	94.18	17.22
6/22/2023	16	179.18	134.08	88.87	15.90
6/22/2023	17	181.20	127.95	85.67	14.76
6/22/2023	18	179.76	122.86	81.29	13.75
6/22/2023	19	174.10	118.89	81.18	13.34
6/22/2023	20	168.24	114.43	80.08	12.82
6/22/2023	21	162.19	110.96	78.11	12.42
6/22/2023	22	152.84	107.12	76.07	11.40
6/22/2023	23	133.32	102.10	73.79	10.78
6/22/2023	24	116.19	98.21	70.67	10.58
6/23/2023	1	100.88	96.51	70.69	10.52
6/23/2023	2	92.69	94.73	70.10	10.57
6/23/2023	3	87.93	93.70	70.42	10.42
6/23/2023	4	85.63	93.51	69.39	10.66
6/23/2023	5	86.70	94.42	72.53	11.17
6/23/2023	6	91.46	97.30	78.02	12.44
6/23/2023	7	98.23	102.78	84.28	13.90
6/23/2023	8	104.71	111.78	89.68	15.16
6/23/2023	9	114.07	120.28	91.33	16.15
6/23/2023	10	125.23	126.66	92.64	16.55
6/23/2023	11	137.11	130.73	91.30	16.72
6/23/2023	12	147.16	132.93	91.33	16.86
6/23/2023	13	154.86	134.82	87.27	16.78
6/23/2023	14	161.55	135.60	84.94	16.56
6/23/2023	15	168.36	134.17	79.43	15.97
6/23/2023	16	176.55	131.57	76.60	15.22
6/23/2023	17	188.06	128.60	77.29	14.52
6/23/2023	18	192.09	124.21	75.02	13.78
6/23/2023	19	186.82	120.25	73.17	13.28
6/23/2023	20	178.82	115.96	74.68	12.92
6/23/2023	21	169.34	111.63	71.97	12.35
6/23/2023	22	160.69	106.88	68.77	11.70
6/23/2023	23	142.34	101.23	65.81	10.99
6/23/2023	24	127.86	96.50	59.16	10.61
6/24/2023	1	105.44	93.01	63.44	10.16
6/24/2023	2	94.66	90.64	61.10	10.10
6/24/2023	3	88.11	88.69	61.94	9.86
6/24/2023	4	84.17	87.82	64.55	9.98
6/24/2023	5	82.97	88.63	65.25	10.22
6/24/2023	6	85.74	88.23	66.25	10.47

6/24/2023	7	93.14	89.12	65.96	10.65
6/24/2023	8	103.78	95.84	64.66	10.96
6/24/2023	9	115.69	104.42	65.86	11.25
6/24/2023	10	129.97	110.71	66.52	11.98
6/24/2023	11	146.47	117.03	68.02	12.16
6/24/2023	12	162.53	120.58	67.62	12.35
6/24/2023	13	176.98	123.12	67.78	12.77
6/24/2023	14	190.73	125.02	67.95	12.89
6/24/2023	15	202.89	125.81	67.48	12.73
6/24/2023	16	213.83	126.43	69.42	12.92
6/24/2023	17	225.22	125.98	69.45	13.05
6/24/2023	18	230.35	124.44	66.88	12.90
6/24/2023	19	230.21	122.45	61.96	12.70
6/24/2023	20	221.57	119.04	56.39	12.57
6/24/2023	21	206.25	113.66	52.77	12.25
6/24/2023	22	190.98	108.27	49.80	12.02
6/24/2023	23	168.99	102.14	49.11	11.35
6/24/2023	24	135.93	95.17	51.93	10.61
6/25/2023	1	125.18	93.96	49.23	10.54
6/25/2023	2	111.00	91.51	48.96	10.31
6/25/2023	3	103.61	90.73	48.74	10.35
6/25/2023	4	99.32	90.47	48.60	10.49
6/25/2023	5	95.87	89.99	47.86	10.45
6/25/2023	6	94.33	91.05	48.16	10.56
6/25/2023	7	97.90	92.14	48.18	10.25
6/25/2023	8	108.87	94.62	48.30	10.40
6/25/2023	9	125.06	101.03	48.44	10.71
6/25/2023	10	137.59	106.80	49.65	11.15
6/25/2023	11	153.73	111.16	50.66	11.48
6/25/2023	12	175.07	115.84	51.88	12.04
6/25/2023	13	194.22	118.86	51.57	12.59
6/25/2023	14	196.05	115.46	52.31	12.40
6/25/2023	15	182.54	108.80	51.89	11.64
6/25/2023	16	177.89	107.98	52.28	11.37
6/25/2023	17	183.80	107.13	52.96	11.42
6/25/2023	18	184.02	105.04	53.45	11.20
6/25/2023	19	176.34	101.31	56.18	10.91
6/25/2023	20	166.68	97.40	52.72	10.69
6/25/2023	21	157.81	95.41	54.67	10.63
6/25/2023	22	145.46	91.60	55.49	9.84
6/25/2023	23	126.11	88.28	58.39	9.69
6/25/2023	24	103.93	86.12	65.53	9.80
6/26/2023	1	97.01	85.50	63.58	9.74
6/26/2023	2	89.32	84.64	69.39	9.78
6/26/2023	3	85.76	84.30	69.37	10.01
6/26/2023	4	85.00	85.07	70.24	10.46
6/26/2023	5	86.88	87.73	75.19	11.23
6/26/2023	6	92.58	92.32	83.16	13.37
6/26/2023	7	98.41	97.09	89.91	14.43
6/26/2023	8	101.36	103.60	93.83	15.14
6/26/2023	9	105.07	109.33	91.54	15.90
6/26/2023	10	108.83	112.16	91.69	16.10

6/26/2023	11	113.25	114.52	93.74	16.27
6/26/2023	12	116.32	113.49	92.89	16.05
6/26/2023	13	116.07	112.35	93.46	15.62
6/26/2023	14	112.96	110.55	92.55	15.02
6/26/2023	15	112.40	108.61	88.63	14.18
6/26/2023	16	116.77	105.17	83.44	13.26
6/26/2023	17	125.23	100.94	79.03	12.42
6/26/2023	18	130.51	96.94	81.72	11.71
6/26/2023	19	129.32	94.34	81.46	11.62
6/26/2023	20	126.61	91.76	80.61	11.33
6/26/2023	21	122.08	90.12	79.68	10.62
6/26/2023	22	113.38	87.34	78.81	9.94
6/26/2023	23	100.03	84.56	76.29	9.53
6/26/2023	24	88.52	82.65	75.30	9.43
6/27/2023	1	80.40	81.30	74.20	9.43
6/27/2023	2	76.17	80.59	75.58	9.35
6/27/2023	3	73.99	80.45	75.45	9.15
6/27/2023	4	74.74	81.14	75.53	9.39
6/27/2023	5	77.16	83.14	78.11	10.16
6/27/2023	6	83.47	87.49	84.45	11.75
6/27/2023	7	89.57	92.45	90.66	12.59
6/27/2023	8	91.82	98.90	94.00	13.41
6/27/2023	9	94.10	103.22	94.77	14.19
6/27/2023	10	96.10	105.68	93.98	14.42
6/27/2023	11	98.68	107.49	95.14	14.52
6/27/2023	12	101.49	108.37	92.99	14.47
6/27/2023	13	102.57	109.79	95.03	14.39
6/27/2023	14	103.86	109.84	94.59	14.00
6/27/2023	15	107.67	109.77	89.88	13.47
6/27/2023	16	114.55	108.00	84.99	12.84
6/27/2023	17	122.81	103.83	83.88	12.05
6/27/2023	18	129.28	100.04	81.12	11.43
6/27/2023	19	128.96	96.17	78.56	11.09
6/27/2023	20	126.55	92.41	77.20	10.81
6/27/2023	21	124.83	90.34	78.74	10.49
6/27/2023	22	118.29	87.85	77.64	10.03
6/27/2023	23	103.08	84.55	77.42	9.73
6/27/2023	24	94.63	83.53	77.08	9.71
6/28/2023	1	80.12	79.76	76.62	9.28
6/28/2023	2	75.00	78.80	76.37	9.20
6/28/2023	3	72.72	78.12	74.98	9.22
6/28/2023	4	72.68	78.41	75.95	9.39
6/28/2023	5	75.37	80.37	78.90	9.77
6/28/2023	6	82.22	84.24	84.42	10.58
6/28/2023	7	88.50	88.15	90.46	11.72
6/28/2023	8	91.11	96.63	93.42	13.25
6/28/2023	9	93.18	103.93	95.49	14.31
6/28/2023	10	96.47	109.91	97.35	14.84
6/28/2023	11	100.74	114.56	98.24	14.98
6/28/2023	12	107.59	117.87	97.54	15.27
6/28/2023	13	114.08	120.23	96.59	15.40
6/28/2023	14	119.96	121.90	96.42	15.36

6/28/2023	15	131.26	123.08	92.62	14.88
6/28/2023	16	146.54	122.11	90.76	14.45
6/28/2023	17	163.01	118.63	88.03	13.93
6/28/2023	18	174.76	115.03	82.21	13.36
6/28/2023	19	176.91	111.69	81.62	13.03
6/28/2023	20	171.75	106.65	79.16	12.35
6/28/2023	21	163.68	101.84	82.68	11.69
6/28/2023	22	152.08	96.80	80.59	10.93
6/28/2023	23	129.56	91.81	78.51	10.38
6/28/2023	24	114.85	89.99	76.30	10.32
6/29/2023	1	95.34	86.25	79.06	9.85
6/29/2023	2	86.64	85.10	78.42	9.67
6/29/2023	3	82.14	85.18	72.60	9.81
6/29/2023	4	80.65	85.59	75.88	9.88
6/29/2023	5	82.83	88.02	77.19	10.49
6/29/2023	6	88.07	91.99	83.20	11.98
6/29/2023	7	94.78	96.82	88.92	13.23
6/29/2023	8	98.21	104.52	90.68	14.40
6/29/2023	9	106.69	112.95	93.59	15.66
6/29/2023	10	117.97	120.85	95.45	16.50
6/29/2023	11	132.85	128.13	99.45	17.04
6/29/2023	12	147.32	131.30	97.79	17.23
6/29/2023	13	162.86	134.15	97.71	17.02
6/29/2023	14	181.51	137.11	98.44	17.40
6/29/2023	15	196.20	136.97	94.84	17.36
6/29/2023	16	202.23	133.28	90.52	16.32
6/29/2023	17	207.34	127.72	85.24	15.20
6/29/2023	18	206.94	121.41	80.63	14.18
6/29/2023	19	198.69	115.99	79.15	13.55
6/29/2023	20	189.88	111.28	77.54	12.93
6/29/2023	21	181.48	107.68	75.78	12.14
6/29/2023	22	172.02	103.95	72.04	11.37
6/29/2023	23	152.68	99.83	71.59	10.90
6/29/2023	24	138.57	97.65	65.71	10.74
6/30/2023	1	117.75	93.94	68.79	10.51
6/30/2023	2	107.68	92.33	67.42	10.29
6/30/2023	3	101.28	91.26	66.89	10.41
6/30/2023	4	98.55	91.49	68.27	10.51
6/30/2023	5	99.29	93.89	71.43	11.26
6/30/2023	6	104.37	98.26	76.84	13.35
6/30/2023	7	111.34	103.41	81.39	14.17
6/30/2023	8	118.90	111.95	85.41	15.03
6/30/2023	9	128.41	120.43	87.84	15.72
6/30/2023	10	144.97	128.08	89.88	16.55
6/30/2023	11	165.99	134.45	90.43	17.16
6/30/2023	12	186.18	137.98	89.93	17.55
6/30/2023	13	202.23	140.85	91.68	17.75
6/30/2023	14	216.88	142.83	89.91	17.68
6/30/2023	15	227.97	142.52	86.38	17.04
6/30/2023	16	237.36	141.23	81.13	16.21
6/30/2023	17	243.45	136.72	78.05	15.42
6/30/2023	18	239.37	130.87	73.12	14.42

6/30/2023	19	229.09	125.34	63.15	13.75
6/30/2023	20	218.35	120.89	61.89	13.17
6/30/2023	21	207.25	117.00	59.19	12.64
6/30/2023	22	196.49	112.18	55.76	11.95
6/30/2023	23	177.77	106.44	51.66	11.47
6/30/2023	24	153.62	100.05	47.40	10.78
7/1/2023	1	134.51	98.25	50.44	10.60
7/1/2023	2	119.75	95.72	51.10	10.28
7/1/2023	3	109.66	94.12	50.52	10.26
7/1/2023	4	102.92	93.26	50.45	10.27
7/1/2023	5	99.92	93.52	51.10	10.23
7/1/2023	6	100.06	93.89	50.42	10.28
7/1/2023	7	107.50	96.14	50.06	10.47
7/1/2023	8	120.82	102.25	51.21	10.95
7/1/2023	9	133.47	108.23	50.32	11.46
7/1/2023	10	145.32	113.63	50.64	12.10
7/1/2023	11	155.03	117.28	51.10	12.22
7/1/2023	12	162.82	118.66	51.20	12.13
7/1/2023	13	172.29	120.19	51.49	12.37
7/1/2023	14	184.73	121.99	51.73	12.38
7/1/2023	15	201.55	124.77	50.58	12.49
7/1/2023	16	214.91	125.48	50.23	12.60
7/1/2023	17	225.26	122.04	49.22	12.43
7/1/2023	18	228.48	111.60	46.95	12.27
7/1/2023	19	219.00	115.18	44.06	12.02
7/1/2023	20	206.78	110.67	42.82	11.73
7/1/2023	21	195.49	107.67	42.23	11.40
7/1/2023	22	187.04	104.64	41.41	11.12
7/1/2023	23	171.44	100.10	39.99	10.62
7/1/2023	24	144.58	94.57	38.65	10.35
7/2/2023	1	132.55	94.34	38.16	10.37
7/2/2023	2	119.67	92.59	39.17	10.32
7/2/2023	3	111.21	91.42	40.03	10.33
7/2/2023	4	105.79	91.23	42.69	10.29
7/2/2023	5	102.96	91.76	40.48	10.33
7/2/2023	6	103.00	92.91	39.70	10.69
7/2/2023	7	108.94	93.94	37.87	10.38
7/2/2023	8	122.23	97.34	38.06	10.53
7/2/2023	9	137.33	102.23	39.16	10.73
7/2/2023	10	146.38	104.77	38.92	10.86
7/2/2023	11	154.21	107.37	39.39	10.91
7/2/2023	12	162.60	108.54	38.18	11.00
7/2/2023	13	169.52	109.93	38.60	11.26
7/2/2023	14	170.78	111.65	39.45	11.25
7/2/2023	15	174.96	112.88	40.05	11.21
7/2/2023	16	184.93	111.63	38.67	11.14
7/2/2023	17	185.96	105.90	38.09	11.02
7/2/2023	18	181.56	102.96	37.42	10.79
7/2/2023	19	177.05	99.89	37.10	10.72
7/2/2023	20	172.22	97.68	37.95	10.49
7/2/2023	21	166.46	96.82	38.67	10.33
7/2/2023	22	160.85	94.28	38.86	10.33

7/2/2023	23	144.88	91.09	39.15	10.03
7/2/2023	24	129.62	88.88	38.01	10.05
7/3/2023	1	110.19	86.73	38.44	9.95
7/3/2023	2	99.62	85.36	38.86	9.74
7/3/2023	3	93.61	84.92	37.82	9.80
7/3/2023	4	89.97	85.22	35.98	9.99
7/3/2023	5	89.87	87.02	34.71	10.50
7/3/2023	6	92.42	88.88	36.53	11.82
7/3/2023	7	99.64	92.30	39.41	12.57
7/3/2023	8	111.32	99.55	41.50	13.43
7/3/2023	9	126.21	106.03	43.40	14.48
7/3/2023	10	140.84	111.72	44.70	14.87
7/3/2023	11	155.38	116.18	45.42	15.26
7/3/2023	12	170.64	120.11	46.23	15.50
7/3/2023	13	181.83	121.87	46.78	15.62
7/3/2023	14	190.15	122.31	47.14	15.51
7/3/2023	15	198.61	121.86	47.45	15.25
7/3/2023	16	208.64	121.53	45.84	14.53
7/3/2023	17	219.55	119.18	43.93	13.73
7/3/2023	18	225.73	116.46	42.89	13.11
7/3/2023	19	222.00	112.65	40.52	12.64
7/3/2023	20	209.01	107.61	38.53	12.13
7/3/2023	21	189.05	102.46	37.15	11.44
7/3/2023	22	171.07	97.83	36.87	11.05
7/3/2023	23	157.88	93.29	36.11	10.53
7/3/2023	24	147.30	90.32	39.34	10.34
7/4/2023	1	118.95	86.56	35.37	9.91
7/4/2023	2	104.33	84.72	35.79	9.72
7/4/2023	3	95.22	83.75	34.83	9.59
7/4/2023	4	90.12	83.47	34.80	9.70
7/4/2023	5	87.68	84.10	34.86	10.16
7/4/2023	6	87.95	84.46	35.27	10.87
7/4/2023	7	94.08	86.56	34.82	11.38
7/4/2023	8	109.94	92.49	33.97	12.22
7/4/2023	9	133.74	99.90	35.77	13.28
7/4/2023	10	159.25	107.00	36.62	14.13
7/4/2023	11	182.76	112.97	37.74	14.54
7/4/2023	12	202.81	116.40	38.30	15.09
7/4/2023	13	219.74	118.98	38.76	15.40
7/4/2023	14	233.46	121.07	39.40	15.54
7/4/2023	15	245.58	121.44	40.61	15.31
7/4/2023	16	256.88	121.53	40.67	14.75
7/4/2023	17	267.52	120.34	40.03	14.14
7/4/2023	18	273.46	118.51	39.11	13.73
7/4/2023	19	269.81	115.57	41.49	13.46
7/4/2023	20	257.44	111.59	39.02	13.02
7/4/2023	21	237.37	106.72	44.67	12.27
7/4/2023	22	217.14	102.44	49.71	11.66
7/4/2023	23	194.27	97.55	50.71	11.29
7/4/2023	24	161.87	94.22	56.30	11.17
7/5/2023	1	143.46	92.37	50.95	10.93
7/5/2023	2	126.89	90.71	51.15	10.86

7/5/2023	3	116.67	89.75	51.32	10.71
7/5/2023	4	110.76	90.66	52.30	10.99
7/5/2023	5	108.61	92.76	59.32	11.62
7/5/2023	6	109.81	96.64	65.96	13.92
7/5/2023	7	116.28	102.01	76.75	15.00
7/5/2023	8	130.59	113.18	83.67	16.75
7/5/2023	9	152.13	124.62	86.63	18.11
7/5/2023	10	175.90	133.65	90.04	19.09
7/5/2023	11	199.26	139.52	93.30	19.85
7/5/2023	12	218.08	141.82	92.16	19.96
7/5/2023	13	232.96	143.46	93.93	19.92
7/5/2023	14	244.71	145.08	92.59	19.86
7/5/2023	15	251.38	144.23	86.88	19.21
7/5/2023	16	254.68	139.67	82.21	17.86
7/5/2023	17	259.75	134.51	77.92	16.54
7/5/2023	18	254.57	126.51	76.40	15.31
7/5/2023	19	245.32	120.98	78.36	14.86
7/5/2023	20	231.40	115.07	77.02	13.95
7/5/2023	21	221.35	111.69	75.39	13.45
7/5/2023	22	201.94	106.20	76.08	12.42
7/5/2023	23	173.06	97.93	73.90	11.56
7/5/2023	24	139.63	95.09	71.85	10.85
7/6/2023	1	129.26	94.72	72.94	10.84
7/6/2023	2	116.36	92.98	72.41	10.64
7/6/2023	3	108.65	92.40	72.31	10.75
7/6/2023	4	104.44	92.77	72.14	10.73
7/6/2023	5	104.31	95.13	75.70	11.30
7/6/2023	6	108.62	99.45	81.58	13.80
7/6/2023	7	114.00	104.82	86.89	15.16
7/6/2023	8	120.66	113.58	93.25	16.13
7/6/2023	9	129.47	121.38	94.92	17.00
7/6/2023	10	135.99	125.95	93.73	17.16
7/6/2023	11	141.50	128.89	93.08	17.23
7/6/2023	12	150.33	130.35	92.49	17.23
7/6/2023	13	155.37	132.18	93.54	16.99
7/6/2023	14	159.52	133.38	93.08	16.76
7/6/2023	15	167.55	133.85	89.98	16.14
7/6/2023	16	176.91	131.88	86.85	15.32
7/6/2023	17	189.30	127.09	79.93	14.32
7/6/2023	18	194.18	121.80	75.77	13.54
7/6/2023	19	185.70	116.76	73.71	13.17
7/6/2023	20	175.16	111.88	73.67	12.58
7/6/2023	21	165.40	107.00	73.35	11.75
7/6/2023	22	156.84	102.59	72.47	11.02
7/6/2023	23	136.89	97.28	71.51	10.52
7/6/2023	24	119.88	94.93	68.02	10.30
7/7/2023	1	100.50	91.25	67.52	9.88
7/7/2023	2	91.47	89.66	67.05	9.90
7/7/2023	3	86.30	88.50	66.06	9.97
7/7/2023	4	83.82	88.17	68.95	10.09
7/7/2023	5	84.58	89.49	72.97	10.47
7/7/2023	6	88.87	92.33	76.67	11.65

7/7/2023	7	94.91	97.74	80.79	12.64
7/7/2023	8	102.17	107.16	84.61	14.01
7/7/2023	9	111.87	115.92	86.29	15.02
7/7/2023	10	122.34	123.12	89.32	15.68
7/7/2023	11	132.81	128.40	92.03	15.97
7/7/2023	12	144.46	131.27	92.13	16.10
7/7/2023	13	155.63	133.16	91.50	16.29
7/7/2023	14	166.26	134.08	91.35	15.95
7/7/2023	15	178.44	134.77	86.85	15.38
7/7/2023	16	191.90	133.09	84.00	14.92
7/7/2023	17	204.81	129.43	80.72	13.99
7/7/2023	18	209.26	125.80	76.99	13.30
7/7/2023	19	201.57	121.27	76.19	12.79
7/7/2023	20	188.65	115.60	75.14	12.25
7/7/2023	21	176.69	111.72	73.33	11.89
7/7/2023	22	168.38	107.91	71.33	11.65
7/7/2023	23	151.44	102.71	68.16	11.09
7/7/2023	24	122.79	95.33	60.33	9.64
7/8/2023	1	112.37	94.75	65.55	9.36
7/8/2023	2	101.23	92.84	65.38	9.27
7/8/2023	3	94.02	91.62	64.37	9.30
7/8/2023	4	91.08	91.84	65.03	9.80
7/8/2023	5	90.25	93.39	63.87	10.27
7/8/2023	6	91.29	95.14	65.37	10.46
7/8/2023	7	95.78	96.77	65.44	10.41
7/8/2023	8	105.35	99.95	64.53	10.28
7/8/2023	9	117.41	103.97	65.63	10.78
7/8/2023	10	127.70	108.41	67.50	11.29
7/8/2023	11	135.93	111.78	65.45	11.39
7/8/2023	12	139.60	111.97	64.59	11.14
7/8/2023	13	139.69	111.13	63.59	11.10
7/8/2023	14	141.51	110.96	64.30	11.09
7/8/2023	15	145.92	112.21	63.33	11.02
7/8/2023	16	149.81	112.01	62.22	11.04
7/8/2023	17	152.93	110.48	61.12	10.98
7/8/2023	18	156.70	109.20	57.73	10.84
7/8/2023	19	156.27	107.33	56.97	10.81
7/8/2023	20	149.62	104.17	48.58	10.57
7/8/2023	21	141.18	100.61	45.69	10.30
7/8/2023	22	135.79	97.02	45.14	10.24
7/8/2023	23	122.93	92.75	44.24	9.83
7/8/2023	24	109.20	89.33	48.00	9.68
7/9/2023	1	93.55	86.55	43.03	9.30
7/9/2023	2	85.01	84.87	43.50	9.34
7/9/2023	3	80.12	83.96	44.08	9.46
7/9/2023	4	77.24	83.57	44.14	9.39
7/9/2023	5	76.74	84.15	44.32	9.42
7/9/2023	6	78.73	84.72	44.51	9.42
7/9/2023	7	84.79	85.78	44.62	9.25
7/9/2023	8	97.01	91.24	47.10	9.29
7/9/2023	9	109.97	98.53	48.93	9.91
7/9/2023	10	120.52	104.86	49.91	10.42

7/9/2023	11	130.73	109.94	50.94	10.86
7/9/2023	12	143.02	113.89	51.47	11.09
7/9/2023	13	155.26	115.37	52.15	11.35
7/9/2023	14	166.15	116.35	52.70	11.43
7/9/2023	15	176.00	116.81	55.75	11.40
7/9/2023	16	186.46	116.94	55.16	11.63
7/9/2023	17	198.42	115.78	55.09	11.82
7/9/2023	18	205.63	114.65	55.00	11.91
7/9/2023	19	204.49	111.74	57.78	11.69
7/9/2023	20	195.59	106.95	54.92	11.39
7/9/2023	21	180.12	102.57	60.20	10.92
7/9/2023	22	164.05	98.49	61.03	10.70
7/9/2023	23	138.93	93.76	61.70	10.22
7/9/2023	24	119.81	93.17	65.56	10.35
7/10/2023	1	99.71	88.37	61.10	9.86
7/10/2023	2	90.14	86.93	66.90	9.65
7/10/2023	3	84.81	86.07	67.06	9.81
7/10/2023	4	82.80	86.75	67.05	9.91
7/10/2023	5	83.95	88.65	71.86	10.56
7/10/2023	6	89.09	92.85	78.68	12.31
7/10/2023	7	95.05	98.29	86.99	13.50
7/10/2023	8	100.43	108.23	92.40	15.21
7/10/2023	9	108.67	118.26	95.63	16.32
7/10/2023	10	118.83	125.39	98.95	17.13
7/10/2023	11	131.54	130.20	95.86	17.42
7/10/2023	12	145.75	133.26	92.83	17.53
7/10/2023	13	158.79	135.21	100.91	17.62
7/10/2023	14	171.73	137.60	100.81	17.56
7/10/2023	15	186.62	139.05	99.29	17.04
7/10/2023	16	203.87	137.60	95.22	16.17
7/10/2023	17	220.82	132.95	92.31	15.36
7/10/2023	18	229.91	128.76	89.25	14.75
7/10/2023	19	226.96	125.03	87.35	14.44
7/10/2023	20	216.60	119.44	82.56	13.78
7/10/2023	21	200.00	114.13	81.90	12.90
7/10/2023	22	183.97	109.16	80.63	12.05
7/10/2023	23	157.09	103.96	78.13	11.43
7/10/2023	24	126.75	98.74	76.66	10.73
7/11/2023	1	113.76	97.30	75.23	10.57
7/11/2023	2	102.41	95.65	74.81	10.38
7/11/2023	3	95.40	94.55	71.88	10.23
7/11/2023	4	92.10	94.68	71.60	10.30
7/11/2023	5	92.20	96.38	78.23	11.17
7/11/2023	6	96.30	99.99	84.49	13.20
7/11/2023	7	102.27	105.98	91.39	14.23
7/11/2023	8	108.04	115.92	95.82	15.87
7/11/2023	9	117.54	125.07	98.26	16.92
7/11/2023	10	128.35	131.52	100.71	17.63
7/11/2023	11	144.66	138.44	102.46	18.19
7/11/2023	12	162.33	141.34	100.40	18.37
7/11/2023	13	177.47	143.60	103.74	18.37
7/11/2023	14	186.28	143.34	103.81	18.12

7/11/2023	15	194.47	142.38	97.61	17.48
7/11/2023	16	203.71	138.81	89.81	16.42
7/11/2023	17	207.44	130.88	85.02	14.97
7/11/2023	18	204.24	123.93	83.35	14.03
7/11/2023	19	194.21	118.30	81.91	13.36
7/11/2023	20	179.86	112.65	79.90	12.44
7/11/2023	21	169.79	107.63	78.45	11.73
7/11/2023	22	155.71	102.63	78.05	11.08
7/11/2023	23	133.63	97.70	77.93	10.48
7/11/2023	24	112.92	93.56	74.58	10.12
7/12/2023	1	99.32	91.28	74.42	9.94
7/12/2023	2	91.17	90.35	74.58	9.92
7/12/2023	3	86.61	89.67	75.67	10.03
7/12/2023	4	84.48	89.44	75.44	9.90
7/12/2023	5	85.85	91.21	78.23	10.58
7/12/2023	6	90.17	95.24	85.53	12.23
7/12/2023	7	94.93	100.15	92.03	13.30
7/12/2023	8	97.56	106.59	94.85	14.39
7/12/2023	9	103.89	114.50	95.96	15.61
7/12/2023	10	109.80	120.04	96.46	16.19
7/12/2023	11	116.89	125.00	98.83	16.55
7/12/2023	12	122.99	126.49	97.05	16.63
7/12/2023	13	126.58	127.79	98.95	16.36
7/12/2023	14	132.44	129.11	98.08	16.39
7/12/2023	15	134.90	126.75	95.65	15.64
7/12/2023	16	137.33	122.91	89.02	14.53
7/12/2023	17	145.20	118.32	88.02	13.52
7/12/2023	18	151.80	115.17	83.97	12.93
7/12/2023	19	153.37	112.31	83.18	12.70
7/12/2023	20	152.88	109.83	81.77	12.32
7/12/2023	21	154.00	108.03	80.81	11.92
7/12/2023	22	147.07	100.56	75.23	11.10
7/12/2023	23	130.91	94.95	77.85	10.60
7/12/2023	24	112.29	92.48	76.56	10.06
7/13/2023	1	101.35	90.76	75.17	9.94
7/13/2023	2	92.80	89.42	72.51	9.78
7/13/2023	3	87.85	88.44	73.71	9.77
7/13/2023	4	85.72	88.60	74.95	10.01
7/13/2023	5	86.80	90.65	79.85	10.49
7/13/2023	6	91.25	94.81	86.65	12.24
7/13/2023	7	97.50	99.45	93.06	13.62
7/13/2023	8	100.51	106.71	95.96	14.30
7/13/2023	9	103.31	111.55	97.94	14.59
7/13/2023	10	105.46	114.07	98.36	14.75
7/13/2023	11	108.35	115.37	96.50	14.90
7/13/2023	12	113.72	119.06	96.48	15.11
7/13/2023	13	118.48	121.40	98.90	15.57
7/13/2023	14	124.65	122.90	97.63	15.57
7/13/2023	15	133.31	123.39	92.23	15.27
7/13/2023	16	144.10	122.08	87.73	14.47
7/13/2023	17	158.84	118.72	83.72	13.91
7/13/2023	18	168.72	115.32	83.71	13.23

7/13/2023	19	169.94	112.07	81.23	12.87
7/13/2023	20	162.66	107.08	79.24	12.32
7/13/2023	21	153.90	102.03	76.68	11.52
7/13/2023	22	144.88	97.47	74.73	10.61
7/13/2023	23	126.55	92.61	74.74	10.13
7/13/2023	24	122.67	92.09	69.85	10.28
7/14/2023	1	95.50	87.25	73.29	9.73
7/14/2023	2	87.46	85.93	73.03	9.69
7/14/2023	3	83.11	85.09	71.36	9.58
7/14/2023	4	81.52	85.62	71.38	9.71
7/14/2023	5	82.58	88.21	71.26	10.37
7/14/2023	6	87.65	92.24	72.58	11.79
7/14/2023	7	94.38	97.88	75.49	12.88
7/14/2023	8	101.66	107.42	85.69	14.11
7/14/2023	9	112.13	117.37	90.19	15.35
7/14/2023	10	124.08	124.79	92.87	16.04
7/14/2023	11	139.27	131.13	92.86	16.79
7/14/2023	12	154.48	133.18	92.48	17.01
7/14/2023	13	169.18	135.92	93.88	17.10
7/14/2023	14	186.24	137.61	90.58	17.24
7/14/2023	15	204.09	138.19	86.28	16.98
7/14/2023	16	223.79	138.21	83.06	16.42
7/14/2023	17	240.93	134.88	78.96	15.64
7/14/2023	18	248.64	131.05	76.33	14.79
7/14/2023	19	240.99	125.49	66.16	14.13
7/14/2023	20	229.37	119.99	62.38	13.71
7/14/2023	21	219.30	115.86	61.70	13.18
7/14/2023	22	204.97	110.16	58.72	12.22
7/14/2023	23	185.02	104.18	54.61	11.63
7/14/2023	24	155.20	96.76	51.40	11.00
7/15/2023	1	138.92	91.99	52.16	10.66
7/15/2023	2	122.89	90.89	51.70	10.32
7/15/2023	3	112.40	90.36	51.19	10.28
7/15/2023	4	106.30	90.12	52.41	10.25
7/15/2023	5	102.27	91.16	52.69	10.48
7/15/2023	6	101.59	92.91	53.84	10.71
7/15/2023	7	106.28	94.80	53.92	10.74
7/15/2023	8	115.33	98.40	54.01	10.75
7/15/2023	9	127.45	102.29	53.93	11.10
7/15/2023	10	136.81	106.37	54.27	11.41
7/15/2023	11	151.90	111.47	55.38	11.93
7/15/2023	12	168.49	116.19	56.19	12.24
7/15/2023	13	181.99	118.71	53.98	12.59
7/15/2023	14	192.94	120.53	54.12	12.69
7/15/2023	15	203.22	120.00	53.60	12.61
7/15/2023	16	213.70	119.09	52.66	12.73
7/15/2023	17	218.91	119.40	50.91	12.72
7/15/2023	18	215.95	115.90	49.41	12.53
7/15/2023	19	211.34	113.23	49.30	12.27
7/15/2023	20	201.08	109.25	48.51	12.11
7/15/2023	21	187.92	105.67	47.59	11.60
7/15/2023	22	177.72	101.36	48.31	11.16

7/15/2023	23	158.57	96.56	46.89	10.55
7/15/2023	24	132.03	90.84	50.31	10.43
7/16/2023	1	119.66	89.68	46.43	10.18
7/16/2023	2	107.08	87.49	46.32	10.06
7/16/2023	3	99.00	86.61	45.99	9.87
7/16/2023	4	93.99	85.91	45.28	9.87
7/16/2023	5	91.52	86.55	45.27	9.91
7/16/2023	6	92.42	88.06	45.39	10.05
7/16/2023	7	98.00	89.14	45.28	9.89
7/16/2023	8	110.39	92.99	44.74	10.07
7/16/2023	9	124.41	98.57	45.03	10.43
7/16/2023	10	137.10	103.50	45.36	10.87
7/16/2023	11	151.07	107.99	46.12	11.30
7/16/2023	12	163.89	109.28	46.97	11.29
7/16/2023	13	173.87	109.75	47.18	11.55
7/16/2023	14	178.88	109.95	46.69	11.66
7/16/2023	15	184.13	110.26	46.82	11.46
7/16/2023	16	188.35	109.41	47.28	11.59
7/16/2023	17	194.67	108.35	47.53	11.67
7/16/2023	18	200.08	107.26	47.59	11.74
7/16/2023	19	197.99	105.46	51.63	11.65
7/16/2023	20	188.68	101.00	48.24	11.11
7/16/2023	21	175.95	98.11	54.48	11.01
7/16/2023	22	161.62	93.87	60.21	10.70
7/16/2023	23	138.14	89.97	62.04	10.18
7/16/2023	24	114.31	87.76	65.75	10.07
7/17/2023	1	102.89	86.07	64.11	10.06
7/17/2023	2	94.50	85.24	62.68	10.09
7/17/2023	3	90.49	85.27	64.13	10.12
7/17/2023	4	88.49	85.51	64.02	10.47
7/17/2023	5	88.86	87.82	69.86	11.12
7/17/2023	6	92.97	92.00	76.92	12.95
7/17/2023	7	98.51	97.18	83.52	13.88
7/17/2023	8	104.25	105.30	88.56	15.21
7/17/2023	9	113.08	113.47	91.21	16.16
7/17/2023	10	123.71	118.95	94.22	16.38
7/17/2023	11	133.92	123.24	95.37	16.74
7/17/2023	12	143.24	125.01	95.57	16.73
7/17/2023	13	150.34	125.89	96.69	16.42
7/17/2023	14	157.05	126.86	96.04	16.17
7/17/2023	15	164.21	126.67	92.10	15.84
7/17/2023	16	175.36	124.21	88.65	14.96
7/17/2023	17	188.38	119.94	83.73	14.24
7/17/2023	18	195.18	115.48	77.17	13.65
7/17/2023	19	190.25	111.60	75.40	13.05
7/17/2023	20	177.25	106.55	75.45	12.44
7/17/2023	21	163.36	102.04	75.32	11.73
7/17/2023	22	148.82	97.08	75.40	10.80
7/17/2023	23	126.21	92.33	76.62	10.20
7/17/2023	24	105.81	89.36	74.42	9.77
7/18/2023	1	92.58	86.32	74.42	9.60
7/18/2023	2	84.81	84.72	73.53	9.49

7/18/2023	3	80.99	84.22	73.33	9.54
7/18/2023	4	79.42	84.43	74.43	9.58
7/18/2023	5	80.70	86.35	76.52	10.12
7/18/2023	6	85.80	90.28	73.69	11.37
7/18/2023	7	91.79	95.28	81.29	12.30
7/18/2023	8	94.82	104.44	93.92	14.02
7/18/2023	9	99.57	113.16	96.50	15.49
7/18/2023	10	105.68	120.58	98.31	16.16
7/18/2023	11	113.36	125.56	99.50	16.38
7/18/2023	12	122.81	127.65	97.98	16.35
7/18/2023	13	130.84	128.92	100.56	16.46
7/18/2023	14	139.84	129.99	100.18	16.41
7/18/2023	15	150.01	130.38	95.89	15.88
7/18/2023	16	163.32	127.98	92.29	15.02
7/18/2023	17	178.06	124.07	87.26	14.11
7/18/2023	18	185.99	119.32	84.57	13.47
7/18/2023	19	183.70	115.34	84.02	13.13
7/18/2023	20	174.25	110.22	83.32	12.56
7/18/2023	21	161.02	105.45	82.11	11.74
7/18/2023	22	148.21	100.78	80.03	10.86
7/18/2023	23	125.92	95.72	76.48	10.22
7/18/2023	24	110.83	93.84	76.67	9.97
7/19/2023	1	92.34	89.30	74.10	9.63
7/19/2023	2	84.62	87.86	74.08	9.45
7/19/2023	3	80.81	87.03	73.54	9.73
7/19/2023	4	79.51	87.18	73.78	10.05
7/19/2023	5	81.39	89.07	77.65	10.80
7/19/2023	6	86.13	92.56	84.18	11.92
7/19/2023	7	91.94	97.88	88.75	12.97
7/19/2023	8	96.05	106.65	94.11	14.44
7/19/2023	9	102.06	116.06	97.34	15.48
7/19/2023	10	110.23	124.42	99.55	16.10
7/19/2023	11	120.87	131.20	101.11	16.71
7/19/2023	12	133.55	135.43	102.47	16.96
7/19/2023	13	145.68	138.10	103.86	17.08
7/19/2023	14	159.32	140.11	104.16	17.18
7/19/2023	15	175.35	140.60	98.84	16.82
7/19/2023	16	192.14	139.53	95.01	16.18
7/19/2023	17	208.06	135.88	89.28	15.26
7/19/2023	18	213.79	130.95	85.43	14.63
7/19/2023	19	211.77	126.92	85.29	13.91
7/19/2023	20	199.82	120.40	86.14	13.03
7/19/2023	21	187.97	115.45	83.36	12.25
7/19/2023	22	172.68	109.76	82.43	11.26
7/19/2023	23	148.49	104.10	79.98	10.62
7/19/2023	24	125.72	99.64	77.31	10.39
7/20/2023	1	107.81	96.73	77.84	10.12
7/20/2023	2	97.08	94.89	76.04	9.99
7/20/2023	3	90.99	93.85	74.78	9.92
7/20/2023	4	88.41	93.74	75.10	10.01
7/20/2023	5	89.01	95.95	78.25	10.72
7/20/2023	6	93.24	100.88	83.89	12.71

7/20/2023	7	99.55	106.18	90.51	13.93
7/20/2023	8	104.05	115.55	90.10	14.29
7/20/2023	9	114.04	125.14	90.77	15.15
7/20/2023	10	132.10	135.20	97.67	17.44
7/20/2023	11	151.88	142.51	99.99	18.71
7/20/2023	12	172.95	145.96	101.23	18.89
7/20/2023	13	191.92	149.85	101.93	19.13
7/20/2023	14	203.11	149.75	99.93	19.04
7/20/2023	15	209.82	147.64	96.80	18.34
7/20/2023	16	218.14	142.34	92.23	17.15
7/20/2023	17	229.63	138.70	87.60	16.21
7/20/2023	18	231.44	132.90	83.19	15.23
7/20/2023	19	220.65	127.77	82.37	14.73
7/20/2023	20	204.21	121.01	81.04	13.92
7/20/2023	21	188.38	115.79	77.95	12.73
7/20/2023	22	174.27	110.59	77.17	11.86
7/20/2023	23	151.24	104.81	74.60	11.27
7/20/2023	24	125.25	100.13	71.04	10.62
7/21/2023	1	112.15	98.26	73.64	10.58
7/21/2023	2	102.12	96.58	72.12	10.38
7/21/2023	3	95.83	95.43	70.57	10.37
7/21/2023	4	92.85	95.23	72.14	10.67
7/21/2023	5	93.03	96.84	75.67	11.31
7/21/2023	6	95.95	100.51	81.60	12.94
7/21/2023	7	102.02	104.83	86.56	13.58
7/21/2023	8	107.88	113.46	89.89	14.26
7/21/2023	9	116.98	121.29	92.50	15.27
7/21/2023	10	127.02	126.67	92.09	15.62
7/21/2023	11	137.39	131.70	89.86	16.06
7/21/2023	12	148.01	134.29	93.23	15.95
7/21/2023	13	156.87	136.84	93.35	16.00
7/21/2023	14	165.06	138.15	92.24	16.02
7/21/2023	15	174.30	137.49	88.49	15.43
7/21/2023	16	183.62	135.21	85.82	14.54
7/21/2023	17	192.52	131.09	79.62	13.63
7/21/2023	18	195.16	127.07	77.47	12.75
7/21/2023	19	189.69	123.16	75.87	12.39
7/21/2023	20	177.34	118.08	75.69	11.81
7/21/2023	21	164.12	114.02	72.84	11.57
7/21/2023	22	153.01	108.62	71.55	11.09
7/21/2023	23	135.37	102.39	65.65	10.53
7/21/2023	24	119.41	97.94	61.07	10.25
7/22/2023	1	101.05	94.48	64.97	9.85
7/22/2023	2	91.26	92.17	64.33	9.84
7/22/2023	3	85.54	90.81	63.00	9.61
7/22/2023	4	82.25	90.14	62.95	9.65
7/22/2023	5	81.39	90.86	65.02	9.75
7/22/2023	6	83.09	91.70	64.94	9.79
7/22/2023	7	89.24	93.20	63.89	9.63
7/22/2023	8	101.53	99.59	64.16	10.06
7/22/2023	9	115.85	108.34	67.80	11.01
7/22/2023	10	128.55	115.40	67.61	11.58

7/22/2023	11	141.30	120.45	69.19	11.77
7/22/2023	12	154.35	123.70	68.78	12.03
7/22/2023	13	166.43	125.86	68.61	12.28
7/22/2023	14	179.01	126.66	68.93	12.51
7/22/2023	15	191.12	127.56	66.11	12.72
7/22/2023	16	203.13	127.44	63.32	12.69
7/22/2023	17	214.89	127.50	63.00	12.77
7/22/2023	18	218.81	125.44	60.39	12.76
7/22/2023	19	213.51	122.39	57.90	12.38
7/22/2023	20	197.91	116.84	52.45	11.91
7/22/2023	21	182.68	113.12	49.29	11.64
7/22/2023	22	170.47	108.37	47.93	11.43
7/22/2023	23	149.25	102.63	46.24	10.83
7/22/2023	24	125.53	96.54	49.34	10.24
7/23/2023	1	111.21	95.31	45.17	10.16
7/23/2023	2	100.06	93.79	45.13	9.83
7/23/2023	3	93.11	92.60	45.12	9.95
7/23/2023	4	89.48	92.44	44.92	10.05
7/23/2023	5	87.80	92.49	44.88	10.11
7/23/2023	6	88.11	93.29	44.70	10.25
7/23/2023	7	93.45	94.34	43.84	9.86
7/23/2023	8	105.54	98.29	44.39	9.98
7/23/2023	9	117.64	103.62	44.22	10.29
7/23/2023	10	126.08	106.61	45.55	10.47
7/23/2023	11	137.14	111.68	46.00	10.88
7/23/2023	12	149.57	114.36	47.66	11.32
7/23/2023	13	160.77	116.40	49.03	11.60
7/23/2023	14	172.35	118.04	50.13	11.72
7/23/2023	15	183.88	118.99	50.40	11.87
7/23/2023	16	195.68	119.30	49.80	12.17
7/23/2023	17	207.80	118.64	49.42	12.20
7/23/2023	18	214.00	116.61	49.37	12.32
7/23/2023	19	209.67	113.31	53.31	12.11
7/23/2023	20	197.73	108.57	49.71	11.54
7/23/2023	21	182.79	105.13	54.83	11.35
7/23/2023	22	166.47	100.20	57.15	10.89
7/23/2023	23	140.77	95.47	58.22	10.52
7/23/2023	24	118.39	93.43	65.27	10.24
7/24/2023	1	101.57	90.01	63.43	10.20
7/24/2023	2	92.30	88.40	64.02	10.23
7/24/2023	3	87.08	87.80	64.66	10.22
7/24/2023	4	85.21	88.10	66.08	10.64
7/24/2023	5	86.60	90.57	69.91	11.14
7/24/2023	6	91.26	94.80	67.23	12.84
7/24/2023	7	96.85	99.43	73.12	13.76
7/24/2023	8	101.39	108.16	77.30	15.36
7/24/2023	9	109.58	117.66	86.51	16.23
7/24/2023	10	120.86	125.58	92.51	17.25
7/24/2023	11	136.51	132.66	96.77	17.89
7/24/2023	12	154.96	136.35	97.56	18.55
7/24/2023	13	171.36	139.11	98.74	18.73
7/24/2023	14	184.99	140.19	97.45	18.62

7/24/2023	15	198.13	139.89	93.73	18.01
7/24/2023	16	212.12	137.61	89.69	17.08
7/24/2023	17	224.16	132.17	82.69	16.02
7/24/2023	18	227.65	126.77	81.05	14.92
7/24/2023	19	219.00	121.66	78.58	14.44
7/24/2023	20	204.59	116.14	77.03	13.66
7/24/2023	21	189.58	111.95	78.21	12.71
7/24/2023	22	170.64	106.46	76.87	11.74
7/24/2023	23	144.11	100.83	75.84	10.64
7/24/2023	24	127.68	99.49	75.61	10.63
7/25/2023	1	104.67	94.44	74.15	10.16
7/25/2023	2	94.95	92.36	72.37	10.17
7/25/2023	3	89.57	91.21	72.48	10.20
7/25/2023	4	86.87	91.52	72.45	10.34
7/25/2023	5	87.74	93.32	77.18	10.84
7/25/2023	6	92.06	97.47	83.11	12.70
7/25/2023	7	97.51	102.69	88.34	13.56
7/25/2023	8	101.18	111.43	90.76	15.09
7/25/2023	9	107.71	121.15	95.34	16.38
7/25/2023	10	118.00	129.64	97.68	17.33
7/25/2023	11	132.92	135.82	99.09	17.66
7/25/2023	12	152.15	139.37	98.90	18.26
7/25/2023	13	170.98	142.58	99.22	18.54
7/25/2023	14	189.43	145.53	98.08	18.66
7/25/2023	15	207.88	146.85	95.53	18.44
7/25/2023	16	227.38	145.43	91.59	17.84
7/25/2023	17	244.85	141.54	87.48	16.87
7/25/2023	18	253.25	136.24	85.78	16.21
7/25/2023	19	248.44	131.94	84.76	15.39
7/25/2023	20	236.06	126.45	83.92	14.71
7/25/2023	21	220.59	121.66	82.28	13.80
7/25/2023	22	200.95	114.98	80.83	12.76
7/25/2023	23	172.26	109.32	80.17	11.94
7/25/2023	24	142.36	102.48	78.12	11.42
7/26/2023	1	127.75	102.03	77.80	11.30
7/26/2023	2	114.78	99.81	77.21	11.22
7/26/2023	3	106.91	98.80	74.38	11.29
7/26/2023	4	102.94	98.89	75.88	11.58
7/26/2023	5	102.76	101.02	79.50	12.09
7/26/2023	6	106.39	105.92	85.49	14.27
7/26/2023	7	113.09	111.59	92.74	15.45
7/26/2023	8	122.71	121.90	95.53	16.87
7/26/2023	9	135.13	131.31	95.99	18.22
7/26/2023	10	137.93	136.66	95.51	18.97
7/26/2023	11	142.97	139.21	97.30	19.30
7/26/2023	12	144.87	135.37	98.90	18.51
7/26/2023	13	141.23	126.37	98.24	17.33
7/26/2023	14	136.27	123.34	95.86	16.71
7/26/2023	15	141.81	124.54	93.62	16.18
7/26/2023	16	152.52	123.89	88.64	15.63
7/26/2023	17	166.83	119.30	84.40	14.86
7/26/2023	18	176.31	114.47	80.96	14.41

7/26/2023	19	178.44	112.75	78.13	13.89
7/26/2023	20	178.23	102.99	79.42	13.41
7/26/2023	21	176.42	106.26	80.38	12.52
7/26/2023	22	168.36	102.69	76.23	11.59
7/26/2023	23	151.34	98.27	77.02	11.25
7/26/2023	24	141.08	95.97	75.91	11.12
7/27/2023	1	115.65	91.82	73.62	10.59
7/27/2023	2	105.34	90.22	75.85	10.39
7/27/2023	3	99.62	89.61	76.66	10.52
7/27/2023	4	96.61	90.19	77.72	10.80
7/27/2023	5	96.77	92.55	82.18	11.48
7/27/2023	6	101.10	96.85	89.10	13.24
7/27/2023	7	108.49	102.17	94.16	14.28
7/27/2023	8	116.01	111.70	99.24	15.80
7/27/2023	9	126.59	120.44	100.52	16.69
7/27/2023	10	139.91	127.00	102.76	17.39
7/27/2023	11	157.87	133.58	103.98	18.30
7/27/2023	12	179.39	138.33	105.56	18.86
7/27/2023	13	197.73	141.62	105.36	19.29
7/27/2023	14	214.00	144.19	104.64	19.60
7/27/2023	15	231.34	144.84	98.16	19.21
7/27/2023	16	246.86	142.36	90.86	18.35
7/27/2023	17	262.76	137.42	85.89	17.52
7/27/2023	18	269.79	132.85	82.80	16.83
7/27/2023	19	266.42	129.72	83.14	16.14
7/27/2023	20	254.37	124.25	85.15	15.07
7/27/2023	21	240.20	118.59	82.44	14.14
7/27/2023	22	222.35	111.52	81.65	13.25
7/27/2023	23	194.54	105.55	77.40	12.28
7/27/2023	24	166.02	101.05	73.51	11.80
7/28/2023	1	148.19	98.48	77.45	11.54
7/28/2023	2	134.19	96.76	76.45	11.48
7/28/2023	3	125.51	96.16	77.13	11.69
7/28/2023	4	120.21	96.13	78.32	11.92
7/28/2023	5	118.99	98.57	80.42	12.65
7/28/2023	6	122.75	103.06	84.87	14.91
7/28/2023	7	125.53	100.83	89.39	15.92
7/28/2023	8	127.55	114.17	91.40	16.40
7/28/2023	9	131.28	118.88	93.18	16.73
7/28/2023	10	136.72	122.14	94.25	17.17
7/28/2023	11	146.61	126.22	94.00	17.38
7/28/2023	12	162.35	130.65	93.00	17.76
7/28/2023	13	181.96	136.15	94.42	18.38
7/28/2023	14	202.66	139.09	92.53	18.45
7/28/2023	15	225.41	140.76	85.60	18.25
7/28/2023	16	244.04	139.44	80.93	17.72
7/28/2023	17	261.44	136.74	77.41	17.06
7/28/2023	18	272.90	134.42	73.95	16.58
7/28/2023	19	270.63	130.84	71.94	15.91
7/28/2023	20	259.68	126.42	71.38	15.40
7/28/2023	21	244.09	121.44	70.98	14.76
7/28/2023	22	206.19	113.82	70.15	13.59

7/28/2023	23	185.13	107.79	66.53	12.69
7/28/2023	24	151.35	95.43	60.55	11.96
7/29/2023	1	143.62	94.48	64.56	12.37
7/29/2023	2	131.50	90.40	59.20	12.78
7/29/2023	3	121.85	90.35	58.54	12.66
7/29/2023	4	115.42	91.05	57.65	12.36
7/29/2023	5	110.78	92.07	58.43	12.26
7/29/2023	6	110.69	93.93	59.64	12.27
7/29/2023	7	115.75	95.72	59.81	12.13
7/29/2023	8	130.60	100.93	60.57	12.61
7/29/2023	9	150.56	107.27	62.90	13.06
7/29/2023	10	161.68	112.01	63.23	13.76
7/29/2023	11	175.40	116.08	65.72	13.87
7/29/2023	12	189.01	118.74	64.87	14.15
7/29/2023	13	197.63	119.87	64.09	14.42
7/29/2023	14	204.60	120.07	63.83	14.34
7/29/2023	15	212.05	119.82	62.23	14.23
7/29/2023	16	219.58	119.29	60.82	14.40
7/29/2023	17	225.50	118.23	58.71	14.09
7/29/2023	18	225.42	116.62	56.78	13.77
7/29/2023	19	217.46	112.86	55.64	13.59
7/29/2023	20	201.11	107.98	47.63	13.19
7/29/2023	21	184.36	103.93	46.16	12.49
7/29/2023	22	171.57	98.72	46.21	11.82
7/29/2023	23	151.32	93.69	44.37	11.37
7/29/2023	24	126.90	88.35	47.49	10.77
7/30/2023	1	115.12	87.17	42.57	10.66
7/30/2023	2	103.27	85.07	41.72	10.52
7/30/2023	3	96.06	84.03	41.78	10.25
7/30/2023	4	91.62	84.06	42.46	10.06
7/30/2023	5	89.17	84.42	42.49	10.22
7/30/2023	6	90.29	85.71	43.27	10.43
7/30/2023	7	96.46	86.87	43.07	10.30
7/30/2023	8	109.39	91.84	44.95	10.48
7/30/2023	9	124.66	97.66	46.22	11.09
7/30/2023	10	138.10	103.48	47.29	11.56
7/30/2023	11	152.67	109.14	48.20	12.00
7/30/2023	12	166.94	111.30	48.88	12.46
7/30/2023	13	178.60	111.83	49.08	12.69
7/30/2023	14	187.73	112.77	49.85	12.52
7/30/2023	15	195.77	113.17	49.56	12.48
7/30/2023	16	203.89	112.56	49.57	12.60
7/30/2023	17	210.84	111.39	49.29	12.61
7/30/2023	18	210.91	108.33	48.17	12.53
7/30/2023	19	200.78	104.24	51.71	12.30
7/30/2023	20	187.74	99.73	48.84	11.84
7/30/2023	21	172.67	96.23	56.85	11.39
7/30/2023	22	156.91	91.63	61.85	11.03
7/30/2023	23	132.69	87.42	62.35	10.59
7/30/2023	24	111.71	85.39	65.76	10.28
7/31/2023	1	97.65	82.97	62.96	10.14
7/31/2023	2	89.39	81.61	61.77	10.01

7/31/2023	3	84.98	80.96	62.40	9.95
7/31/2023	4	83.00	81.77	63.58	10.11
7/31/2023	5	83.92	83.62	66.78	10.92
7/31/2023	6	88.57	88.01	75.43	12.36
7/31/2023	7	94.19	92.12	81.46	12.65
7/31/2023	8	98.27	100.94	87.84	13.98
7/31/2023	9	104.94	109.61	92.83	15.60
7/31/2023	10	112.67	116.20	97.06	16.34
7/31/2023	11	121.95	120.72	98.84	16.82
7/31/2023	12	132.64	123.60	100.45	17.13
7/31/2023	13	143.03	125.56	100.16	17.34
7/31/2023	14	152.49	126.71	99.07	17.52
7/31/2023	15	163.94	127.13	96.56	16.76
7/31/2023	16	178.13	124.93	91.92	16.00
7/31/2023	17	193.24	120.51	85.39	15.28
7/31/2023	18	201.23	115.79	82.79	14.68
7/31/2023	19	196.78	111.26	80.93	14.12
7/31/2023	20	184.44	105.45	81.72	13.32
7/31/2023	21	171.98	101.20	79.88	12.57
7/31/2023	22	156.30	95.71	77.07	11.57
7/31/2023	23	132.10	90.48	77.75	10.41
7/31/2023	24	114.63	88.58	77.02	10.24
8/1/2023	1	97.11	84.81	73.74	9.76
8/1/2023	2	88.95	83.19	73.23	9.64
8/1/2023	3	84.73	82.42	73.71	9.71
8/1/2023	4	83.00	83.20	72.91	9.87
8/1/2023	5	83.92	84.89	78.19	10.65
8/1/2023	6	88.38	89.37	84.78	12.01
8/1/2023	7	93.86	93.60	88.83	12.67
8/1/2023	8	96.31	101.63	91.11	14.05
8/1/2023	9	101.18	110.12	93.30	15.29
8/1/2023	10	107.69	117.43	94.42	16.09
8/1/2023	11	116.93	122.61	96.81	16.82
8/1/2023	12	128.19	125.66	97.88	17.43
8/1/2023	13	139.64	128.65	98.78	17.66
8/1/2023	14	151.78	130.67	98.18	17.60
8/1/2023	15	166.40	131.29	94.53	17.09
8/1/2023	16	182.23	129.63	90.95	16.31
8/1/2023	17	199.30	125.31	86.02	15.60
8/1/2023	18	207.79	120.98	84.54	15.11
8/1/2023	19	204.01	116.42	83.45	14.40
8/1/2023	20	194.46	111.28	83.76	13.73
8/1/2023	21	183.98	107.34	82.19	13.07
8/1/2023	22	169.90	102.19	80.20	12.15
8/1/2023	23	146.24	96.87	80.14	11.31
8/1/2023	24	125.52	94.14	78.60	10.85
8/2/2023	1	109.64	91.02	77.52	10.66
8/2/2023	2	100.24	89.33	77.22	10.38
8/2/2023	3	94.39	88.20	75.45	10.54
8/2/2023	4	91.77	88.59	74.53	10.61
8/2/2023	5	91.70	90.27	80.74	11.46
8/2/2023	6	95.85	95.25	86.13	13.41

8/2/2023	7	101.40	100.33	92.82	14.20
8/2/2023	8	105.88	108.28	95.87	15.18
8/2/2023	9	114.62	117.33	99.21	16.16
8/2/2023	10	126.87	125.06	96.96	16.87
8/2/2023	11	141.36	130.91	97.84	17.29
8/2/2023	12	157.48	133.78	100.12	17.65
8/2/2023	13	171.40	135.55	102.00	17.75
8/2/2023	14	183.47	135.60	101.19	17.66
8/2/2023	15	193.99	135.59	94.86	17.08
8/2/2023	16	205.83	134.62	91.99	16.03
8/2/2023	17	218.71	130.79	87.00	15.46
8/2/2023	18	224.38	126.87	85.07	14.85
8/2/2023	19	219.60	122.88	85.08	14.23
8/2/2023	20	206.13	116.17	83.53	13.55
8/2/2023	21	193.65	111.29	80.38	12.85
8/2/2023	22	177.43	105.29	80.21	11.76
8/2/2023	23	151.43	99.86	78.31	11.11
8/2/2023	24	131.31	97.54	76.91	10.82
8/3/2023	1	111.69	93.49	76.00	10.58
8/3/2023	2	100.83	91.29	73.99	10.48
8/3/2023	3	94.40	90.16	74.57	10.48
8/3/2023	4	91.22	90.54	74.26	10.44
8/3/2023	5	91.36	92.35	79.09	11.07
8/3/2023	6	95.18	96.73	83.63	12.63
8/3/2023	7	100.71	102.20	89.35	13.54
8/3/2023	8	106.21	109.65	93.19	14.99
8/3/2023	9	116.39	119.20	89.37	16.42
8/3/2023	10	129.99	129.08	92.79	17.53
8/3/2023	11	145.53	135.32	97.50	18.12
8/3/2023	12	162.79	138.72	97.19	18.37
8/3/2023	13	178.81	141.47	98.33	18.85
8/3/2023	14	193.18	143.40	96.47	18.93
8/3/2023	15	207.56	145.13	91.16	18.08
8/3/2023	16	222.64	143.54	88.63	17.22
8/3/2023	17	236.09	139.16	87.54	16.43
8/3/2023	18	243.36	135.45	82.94	15.59
8/3/2023	19	239.41	131.15	80.99	15.10
8/3/2023	20	226.30	125.01	80.71	14.17
8/3/2023	21	210.45	119.30	78.34	13.41
8/3/2023	22	191.93	112.30	76.99	12.26
8/3/2023	23	165.00	106.09	74.98	11.57
8/3/2023	24	140.26	102.06	68.47	11.18
8/4/2023	1	122.36	98.44	71.64	11.12
8/4/2023	2	110.83	96.75	70.77	10.88
8/4/2023	3	103.89	96.41	69.88	10.98
8/4/2023	4	100.03	96.62	71.70	11.12
8/4/2023	5	99.46	98.23	75.14	11.59
8/4/2023	6	102.36	102.26	80.37	13.44
8/4/2023	7	108.26	107.02	85.48	14.18
8/4/2023	8	117.48	116.94	89.64	15.60
8/4/2023	9	131.35	126.61	90.75	16.74
8/4/2023	10	146.41	133.73	92.50	17.53

8/4/2023	11	162.90	138.54	92.94	17.79
8/4/2023	12	179.30	141.17	93.63	17.94
8/4/2023	13	193.42	142.98	93.27	18.08
8/4/2023	14	205.27	143.52	91.88	18.16
8/4/2023	15	216.54	144.54	87.66	17.62
8/4/2023	16	228.25	143.33	81.64	16.75
8/4/2023	17	236.91	139.27	82.42	15.90
8/4/2023	18	238.12	134.89	81.85	15.07
8/4/2023	19	229.51	130.29	75.14	14.16
8/4/2023	20	212.18	124.42	69.21	13.42
8/4/2023	21	197.32	120.19	66.72	12.96
8/4/2023	22	183.67	113.93	63.67	12.10
8/4/2023	23	162.60	107.97	59.84	11.37
8/4/2023	24	133.31	100.59	55.41	10.74
8/5/2023	1	121.45	99.72	55.65	10.85
8/5/2023	2	108.73	97.29	55.02	10.61
8/5/2023	3	100.93	95.57	54.52	10.52
8/5/2023	4	95.91	94.97	54.10	10.38
8/5/2023	5	93.89	95.49	54.60	10.59
8/5/2023	6	95.05	97.37	56.24	10.85
8/5/2023	7	100.55	99.32	56.62	10.73
8/5/2023	8	113.40	104.13	57.82	11.03
8/5/2023	9	129.08	111.40	59.43	11.63
8/5/2023	10	142.87	117.99	58.42	12.41
8/5/2023	11	153.90	121.87	58.50	12.60
8/5/2023	12	161.56	122.67	58.26	12.77
8/5/2023	13	165.33	122.37	58.11	12.86
8/5/2023	14	166.42	121.84	56.86	12.66
8/5/2023	15	165.79	120.11	55.50	12.42
8/5/2023	16	164.78	118.26	54.28	12.27
8/5/2023	17	165.52	115.61	53.12	11.87
8/5/2023	18	164.97	113.48	51.91	11.93
8/5/2023	19	161.11	110.06	50.76	11.64
8/5/2023	20	155.79	107.26	50.09	11.62
8/5/2023	21	151.69	105.49	49.63	11.24
8/5/2023	22	144.10	100.76	49.58	10.39
8/5/2023	23	130.87	96.44	48.61	9.93
8/5/2023	24	112.82	91.27	52.60	9.73
8/6/2023	1	103.85	90.85	48.46	9.75
8/6/2023	2	95.72	89.13	48.60	9.65
8/6/2023	3	90.95	88.62	47.96	9.53
8/6/2023	4	87.61	88.48	46.22	9.62
8/6/2023	5	86.67	89.09	47.01	9.80
8/6/2023	6	87.74	90.51	48.02	10.08
8/6/2023	7	93.74	91.59	48.51	10.02
8/6/2023	8	106.10	94.05	49.10	9.90
8/6/2023	9	118.81	97.92	49.96	10.13
8/6/2023	10	127.84	101.44	50.58	10.65
8/6/2023	11	133.54	103.80	48.89	10.57
8/6/2023	12	138.10	104.09	50.14	10.65
8/6/2023	13	140.71	103.89	50.75	10.76
8/6/2023	14	142.03	103.42	51.12	10.62

8/6/2023	15	145.73	104.22	50.24	10.80
8/6/2023	16	148.76	103.17	50.41	10.75
8/6/2023	17	153.59	100.73	49.85	10.81
8/6/2023	18	155.30	98.86	48.75	10.55
8/6/2023	19	152.66	96.05	51.19	10.41
8/6/2023	20	148.93	93.69	49.96	10.38
8/6/2023	21	144.66	93.10	57.61	10.26
8/6/2023	22	133.95	90.41	63.17	9.94
8/6/2023	23	117.36	87.63	65.25	9.71
8/6/2023	24	103.24	86.12	66.68	9.98
8/7/2023	1	92.38	84.48	65.34	9.84
8/7/2023	2	86.34	83.70	64.30	9.53
8/7/2023	3	83.37	83.73	65.03	9.64
8/7/2023	4	82.54	84.62	65.35	9.99
8/7/2023	5	84.53	87.17	70.63	11.10
8/7/2023	6	89.45	92.57	76.86	12.95
8/7/2023	7	95.62	97.77	82.25	13.61
8/7/2023	8	99.25	103.87	86.88	14.28
8/7/2023	9	103.56	109.22	91.17	14.90
8/7/2023	10	108.98	113.12	95.40	15.53
8/7/2023	11	113.98	115.70	94.61	15.68
8/7/2023	12	121.20	117.61	94.04	15.90
8/7/2023	13	127.19	119.70	96.83	15.97
8/7/2023	14	131.92	120.55	94.24	16.14
8/7/2023	15	138.24	120.44	92.47	15.70
8/7/2023	16	148.81	118.88	88.44	15.00
8/7/2023	17	160.91	114.65	84.88	14.19
8/7/2023	18	168.30	110.05	81.29	13.56
8/7/2023	19	165.58	106.40	78.98	13.09
8/7/2023	20	158.68	101.54	78.37	12.49
8/7/2023	21	153.44	98.10	76.45	11.81
8/7/2023	22	141.25	93.64	74.93	10.86
8/7/2023	23	121.31	89.63	73.52	9.96
8/7/2023	24	108.07	87.62	73.66	9.82
8/8/2023	1	92.26	84.50	72.38	9.60
8/8/2023	2	85.34	83.42	70.79	9.49
8/8/2023	3	81.70	83.26	69.44	9.40
8/8/2023	4	80.61	83.66	71.57	9.64
8/8/2023	5	82.00	86.11	77.37	10.63
8/8/2023	6	86.38	91.17	82.71	12.50
8/8/2023	7	92.27	96.31	87.90	13.35
8/8/2023	8	96.50	103.61	92.63	14.63
8/8/2023	9	102.92	112.39	94.61	15.89
8/8/2023	10	111.30	119.24	98.24	16.70
8/8/2023	11	121.91	124.50	99.00	17.00
8/8/2023	12	134.50	127.87	99.43	17.33
8/8/2023	13	145.71	129.56	100.91	17.38
8/8/2023	14	157.51	130.97	99.78	17.54
8/8/2023	15	171.30	131.01	95.42	16.98
8/8/2023	16	187.58	129.76	90.05	16.01
8/8/2023	17	200.49	123.90	86.65	15.07
8/8/2023	18	206.20	118.59	84.77	14.44

8/8/2023	19	201.19	113.77	83.32	14.01
8/8/2023	20	189.77	108.17	80.00	13.19
8/8/2023	21	179.78	104.39	80.83	12.50
8/8/2023	22	163.81	98.80	76.10	11.39
8/8/2023	23	139.54	93.70	76.22	10.79
8/8/2023	24	117.68	90.36	73.73	10.40
8/9/2023	1	104.61	88.53	74.87	10.33
8/9/2023	2	95.97	87.32	73.06	10.22
8/9/2023	3	91.22	86.83	73.09	10.54
8/9/2023	4	88.88	87.19	73.18	10.81
8/9/2023	5	89.49	89.51	78.90	11.52
8/9/2023	6	93.76	94.13	86.03	13.33
8/9/2023	7	99.05	99.76	91.53	14.00
8/9/2023	8	104.01	108.34	93.74	15.17
8/9/2023	9	111.76	116.14	95.25	16.33
8/9/2023	10	122.69	122.98	96.60	16.97
8/9/2023	11	133.50	127.92	97.96	17.28
8/9/2023	12	145.33	129.84	96.80	17.43
8/9/2023	13	154.92	131.52	100.04	17.67
8/9/2023	14	165.15	132.53	99.25	17.64
8/9/2023	15	170.97	131.40	93.07	16.91
8/9/2023	16	174.38	127.89	90.81	15.82
8/9/2023	17	179.72	121.46	84.98	14.95
8/9/2023	18	181.18	115.69	78.51	14.36
8/9/2023	19	177.11	111.11	74.28	14.00
8/9/2023	20	172.67	106.96	77.28	13.37
8/9/2023	21	168.85	103.95	77.56	12.73
8/9/2023	22	156.36	99.15	74.25	11.54
8/9/2023	23	135.90	94.87	72.83	10.69
8/9/2023	24	118.73	91.52	70.51	10.52
8/10/2023	1	103.52	88.66	70.88	10.32
8/10/2023	2	94.90	87.07	66.86	10.24
8/10/2023	3	89.81	86.17	70.43	10.20
8/10/2023	4	87.78	86.53	69.19	10.32
8/10/2023	5	88.37	88.88	73.10	11.13
8/10/2023	6	91.67	94.65	80.03	13.04
8/10/2023	7	97.34	100.14	87.08	13.96
8/10/2023	8	101.98	108.11	90.23	15.03
8/10/2023	9	108.98	117.06	89.59	16.04
8/10/2023	10	115.80	122.31	90.90	16.56
8/10/2023	11	125.20	126.12	92.60	16.76
8/10/2023	12	136.12	128.75	93.99	16.84
8/10/2023	13	149.33	131.53	95.38	16.96
8/10/2023	14	161.21	133.08	96.20	17.26
8/10/2023	15	173.30	133.64	92.11	17.02
8/10/2023	16	187.25	131.54	88.92	16.07
8/10/2023	17	200.23	126.70	82.63	15.39
8/10/2023	18	206.58	122.31	80.82	14.60
8/10/2023	19	200.92	117.68	76.89	14.01
8/10/2023	20	189.24	111.67	73.52	13.33
8/10/2023	21	181.60	106.98	76.51	12.70
8/10/2023	22	167.43	101.12	72.26	11.60

8/10/2023	23	144.33	95.84	71.56	11.02
8/10/2023	24	128.43	94.17	67.68	10.79
8/11/2023	1	108.65	90.51	67.06	10.39
8/11/2023	2	98.83	88.73	66.14	10.24
8/11/2023	3	92.86	87.95	66.69	10.37
8/11/2023	4	89.99	87.88	67.84	10.63
8/11/2023	5	90.23	90.16	71.09	11.32
8/11/2023	6	93.73	94.42	77.53	12.91
8/11/2023	7	100.10	99.86	80.62	13.63
8/11/2023	8	107.40	108.52	86.31	14.74
8/11/2023	9	114.90	116.03	88.18	15.54
8/11/2023	10	122.07	122.51	89.92	16.21
8/11/2023	11	130.20	126.73	89.48	16.39
8/11/2023	12	138.68	127.96	88.91	16.32
8/11/2023	13	148.23	130.33	90.42	16.60
8/11/2023	14	162.51	133.22	90.26	16.71
8/11/2023	15	180.02	135.14	83.03	16.84
8/11/2023	16	197.39	134.62	81.81	16.11
8/11/2023	17	211.12	130.50	75.50	15.31
8/11/2023	18	212.56	124.98	76.95	14.17
8/11/2023	19	208.41	120.81	73.57	13.59
8/11/2023	20	199.93	116.79	66.19	13.14
8/11/2023	21	192.85	113.31	69.99	12.95
8/11/2023	22	182.54	108.06	68.51	12.02
8/11/2023	23	163.85	103.05	64.07	11.52
8/11/2023	24	138.96	97.80	58.13	10.91
8/12/2023	1	127.40	96.32	60.76	10.85
8/12/2023	2	117.20	94.45	61.20	10.82
8/12/2023	3	108.15	92.29	60.39	10.56
8/12/2023	4	101.85	91.33	59.02	10.52
8/12/2023	5	98.19	91.68	60.34	10.48
8/12/2023	6	98.23	93.90	62.25	10.88
8/12/2023	7	104.20	96.50	60.87	10.74
8/12/2023	8	118.12	102.33	63.29	11.10
8/12/2023	9	133.01	108.96	64.39	11.84
8/12/2023	10	140.97	112.76	61.85	12.35
8/12/2023	11	151.58	116.43	60.39	12.39
8/12/2023	12	161.35	118.30	52.53	12.40
8/12/2023	13	171.18	119.81	54.71	12.38
8/12/2023	14	181.64	121.88	55.71	12.51
8/12/2023	15	191.18	122.49	58.27	12.26
8/12/2023	16	199.84	122.13	54.87	12.52
8/12/2023	17	207.51	121.36	55.17	12.41
8/12/2023	18	210.04	120.32	54.37	12.48
8/12/2023	19	203.93	117.26	51.56	12.08
8/12/2023	20	189.59	112.39	50.01	11.75
8/12/2023	21	176.76	109.07	48.98	11.62
8/12/2023	22	163.98	103.75	49.17	10.82
8/12/2023	23	144.53	99.04	48.21	10.36
8/12/2023	24	121.93	94.10	51.27	10.06
8/13/2023	1	110.71	93.45	48.11	10.08
8/13/2023	2	100.50	91.88	46.71	9.97

8/13/2023	3	94.25	90.89	47.58	9.80
8/13/2023	4	90.08	90.32	47.49	9.70
8/13/2023	5	88.30	90.28	46.97	9.88
8/13/2023	6	89.23	91.36	47.33	10.28
8/13/2023	7	94.99	92.46	47.37	10.00
8/13/2023	8	110.45	98.12	48.40	10.36
8/13/2023	9	129.98	106.61	49.82	11.08
8/13/2023	10	146.12	113.42	50.87	11.52
8/13/2023	11	162.28	118.61	51.84	11.90
8/13/2023	12	178.63	121.15	52.41	12.28
8/13/2023	13	189.61	120.81	52.63	12.16
8/13/2023	14	194.53	120.35	51.75	12.06
8/13/2023	15	191.75	117.21	50.55	11.78
8/13/2023	16	187.80	114.59	49.66	11.81
8/13/2023	17	187.74	112.15	49.28	11.64
8/13/2023	18	183.74	109.13	48.40	11.22
8/13/2023	19	176.93	105.14	50.31	10.79
8/13/2023	20	170.81	102.10	47.73	10.71
8/13/2023	21	165.16	100.21	55.89	10.96
8/13/2023	22	150.44	96.47	59.84	10.45
8/13/2023	23	130.03	92.81	58.64	9.98
8/13/2023	24	108.05	89.61	63.19	9.81
8/14/2023	1	100.21	88.92	64.27	10.10
8/14/2023	2	92.31	87.73	63.48	10.23
8/14/2023	3	88.24	87.35	63.06	10.10
8/14/2023	4	86.74	87.88	62.39	9.98
8/14/2023	5	88.51	90.87	66.09	10.78
8/14/2023	6	92.56	96.09	74.29	13.07
8/14/2023	7	98.26	101.46	80.61	13.91
8/14/2023	8	102.09	107.89	82.57	14.93
8/14/2023	9	107.79	114.17	81.13	15.91
8/14/2023	10	116.94	120.44	85.77	16.70
8/14/2023	11	126.57	125.19	86.18	17.10
8/14/2023	12	135.73	127.01	88.46	17.26
8/14/2023	13	144.02	128.24	94.56	17.40
8/14/2023	14	148.21	129.46	94.72	17.41
8/14/2023	15	150.10	128.16	88.47	16.83
8/14/2023	16	153.74	122.96	84.19	15.53
8/14/2023	17	160.43	116.26	78.77	14.37
8/14/2023	18	158.79	110.93	76.19	13.48
8/14/2023	19	153.94	107.37	75.47	12.97
8/14/2023	20	150.11	103.68	73.33	12.81
8/14/2023	21	142.88	100.14	74.68	11.79
8/14/2023	22	124.97	93.53	71.61	9.73
8/14/2023	23	108.41	88.13	71.16	9.15
8/14/2023	24	94.35	85.76	71.08	8.92
8/15/2023	1	86.80	85.23	68.55	8.68
8/15/2023	2	81.11	84.29	67.95	8.82
8/15/2023	3	79.69	84.27	69.35	8.91
8/15/2023	4	78.79	84.82	69.51	9.20
8/15/2023	5	80.42	87.74	74.03	9.86
8/15/2023	6	84.43	92.81	80.67	11.10

8/15/2023	7	90.66	98.43	84.90	12.34
8/15/2023	8	92.65	103.76	90.08	13.20
8/15/2023	9	96.01	108.45	89.78	13.64
8/15/2023	10	98.98	111.43	91.12	13.91
8/15/2023	11	102.35	113.18	91.63	14.11
8/15/2023	12	104.57	113.36	91.78	14.23
8/15/2023	13	105.80	115.15	94.45	14.36
8/15/2023	14	105.92	115.33	93.01	14.39
8/15/2023	15	111.14	116.16	90.83	14.06
8/15/2023	16	120.97	115.18	86.89	13.12
8/15/2023	17	133.78	111.40	82.58	12.42
8/15/2023	18	142.24	107.78	78.64	11.86
8/15/2023	19	141.50	102.93	76.12	11.25
8/15/2023	20	136.06	98.03	76.21	10.76
8/15/2023	21	132.67	94.56	77.19	10.36
8/15/2023	22	121.82	89.68	75.64	9.73
8/15/2023	23	105.33	85.86	73.54	9.25
8/15/2023	24	99.12	85.15	75.00	9.77
8/16/2023	1	85.31	81.89	74.42	9.43
8/16/2023	2	79.38	80.72	75.61	9.34
8/16/2023	3	76.67	80.21	73.74	9.45
8/16/2023	4	76.01	81.06	75.51	9.72
8/16/2023	5	78.00	83.13	79.47	10.25
8/16/2023	6	83.43	87.72	85.09	11.57
8/16/2023	7	89.84	92.03	89.05	12.25
8/16/2023	8	92.60	99.15	93.61	13.47
8/16/2023	9	96.88	107.46	95.18	14.75
8/16/2023	10	101.97	113.92	96.10	15.57
8/16/2023	11	107.67	116.79	98.49	15.82
8/16/2023	12	115.28	118.46	100.68	16.03
8/16/2023	13	123.17	124.71	102.60	16.20
8/16/2023	14	132.26	126.30	100.35	16.48
8/16/2023	15	144.35	127.07	96.47	16.12
8/16/2023	16	158.92	125.24	89.98	15.13
8/16/2023	17	174.37	122.05	85.18	14.41
8/16/2023	18	182.19	117.98	83.44	13.87
8/16/2023	19	179.41	113.82	79.58	13.32
8/16/2023	20	169.56	107.41	80.43	12.58
8/16/2023	21	162.15	102.86	78.64	12.03
8/16/2023	22	147.86	96.64	79.29	10.90
8/16/2023	23	127.27	91.92	78.09	10.31
8/16/2023	24	106.36	87.99	74.96	10.13
8/17/2023	1	96.35	87.29	76.13	9.94
8/17/2023	2	88.56	85.53	74.56	9.89
8/17/2023	3	83.98	84.58	73.70	9.84
8/17/2023	4	82.33	85.06	74.92	10.07
8/17/2023	5	83.51	87.14	79.14	10.76
8/17/2023	6	87.90	92.18	84.53	12.54
8/17/2023	7	93.77	97.77	82.63	13.34
8/17/2023	8	96.63	104.06	88.04	14.25
8/17/2023	9	100.30	109.71	88.47	14.85
8/17/2023	10	104.58	112.40	80.21	15.38

8/17/2023	11	107.59	113.52	91.08	15.35
8/17/2023	12	109.43	113.66	90.29	15.35
8/17/2023	13	112.21	116.68	92.90	16.03
8/17/2023	14	119.11	121.20	91.14	16.63
8/17/2023	15	128.55	122.49	89.28	16.22
8/17/2023	16	140.04	120.66	84.29	15.13
8/17/2023	17	152.16	116.14	79.61	14.25
8/17/2023	18	156.47	110.75	76.83	13.43
8/17/2023	19	150.15	105.02	74.03	12.78
8/17/2023	20	143.91	100.05	73.27	11.99
8/17/2023	21	140.87	97.30	73.79	11.44
8/17/2023	22	130.49	92.50	70.86	10.67
8/17/2023	23	114.11	87.57	71.82	10.06
8/17/2023	24	98.15	84.21	71.58	9.74
8/18/2023	1	87.95	82.08	74.68	9.57
8/18/2023	2	81.59	80.69	74.64	9.60
8/18/2023	3	78.30	80.67	72.30	9.65
8/18/2023	4	76.89	81.16	70.49	9.77
8/18/2023	5	78.41	83.15	72.71	10.24
8/18/2023	6	83.25	87.34	78.63	11.60
8/18/2023	7	90.09	91.48	84.92	12.41
8/18/2023	8	94.62	98.52	89.81	13.32
8/18/2023	9	100.62	105.96	89.46	14.17
8/18/2023	10	106.29	111.30	89.80	15.09
8/18/2023	11	111.29	114.74	90.31	15.25
8/18/2023	12	117.16	115.92	88.81	15.40
8/18/2023	13	121.41	117.29	91.10	15.27
8/18/2023	14	127.05	118.15	88.08	15.47
8/18/2023	15	133.87	117.94	81.11	14.92
8/18/2023	16	142.62	116.27	78.64	13.87
8/18/2023	17	149.96	112.17	75.47	13.01
8/18/2023	18	151.50	108.44	73.26	12.42
8/18/2023	19	144.32	103.96	69.82	11.87
8/18/2023	20	135.95	99.42	69.48	11.35
8/18/2023	21	132.90	96.47	70.00	11.29
8/18/2023	22	124.20	91.50	67.35	10.42
8/18/2023	23	111.09	86.91	64.86	9.84
8/18/2023	24	101.79	85.13	57.30	9.58
8/19/2023	1	86.81	81.29	61.79	9.23
8/19/2023	2	79.94	79.97	61.38	9.22
8/19/2023	3	76.25	79.25	60.08	9.07
8/19/2023	4	74.28	79.40	60.46	8.85
8/19/2023	5	74.30	80.39	59.21	9.16
8/19/2023	6	76.75	82.01	60.86	9.48
8/19/2023	7	83.40	83.31	59.28	9.57
8/19/2023	8	94.08	87.29	64.82	9.74
8/19/2023	9	103.88	93.20	63.62	10.32
8/19/2023	10	110.98	98.86	65.33	10.79
8/19/2023	11	116.07	103.76	65.47	11.20
8/19/2023	12	120.95	106.36	65.85	11.42
8/19/2023	13	126.16	108.28	66.31	11.46
8/19/2023	14	132.63	110.48	64.01	11.57

8/19/2023	15	141.57	111.81	64.49	11.71
8/19/2023	16	152.33	112.49	63.48	11.98
8/19/2023	17	158.66	111.30	61.37	11.97
8/19/2023	18	164.45	109.77	58.12	11.94
8/19/2023	19	164.07	107.95	52.59	11.52
8/19/2023	20	156.93	104.72	45.25	11.24
8/19/2023	21	152.17	101.86	43.91	11.12
8/19/2023	22	143.58	97.54	44.12	10.33
8/19/2023	23	129.36	93.24	43.82	9.99
8/19/2023	24	122.56	92.28	48.46	10.17
8/20/2023	1	102.12	88.30	42.62	9.75
8/20/2023	2	93.44	86.21	47.32	9.80
8/20/2023	3	87.99	85.59	47.10	9.90
8/20/2023	4	85.27	85.86	47.29	9.86
8/20/2023	5	84.43	86.43	47.05	9.96
8/20/2023	6	85.99	87.75	46.16	10.53
8/20/2023	7	92.58	89.81	46.50	10.40
8/20/2023	8	106.20	93.72	48.36	10.57
8/20/2023	9	124.95	101.52	48.72	11.01
8/20/2023	10	143.89	108.40	48.83	11.90
8/20/2023	11	164.43	115.51	49.35	12.26
8/20/2023	12	186.12	119.36	48.04	12.83
8/20/2023	13	205.43	121.96	49.64	13.05
8/20/2023	14	221.97	124.30	49.20	13.22
8/20/2023	15	234.60	124.68	51.82	13.21
8/20/2023	16	246.48	124.67	52.18	13.58
8/20/2023	17	254.55	122.94	52.61	13.57
8/20/2023	18	256.26	122.16	52.43	13.35
8/20/2023	19	250.35	118.77	54.25	13.16
8/20/2023	20	235.01	113.01	47.45	12.69
8/20/2023	21	222.02	110.03	55.22	12.39
8/20/2023	22	197.62	105.08	61.10	11.54
8/20/2023	23	169.30	100.61	64.81	11.06
8/20/2023	24	140.38	98.30	68.97	10.92
8/21/2023	1	126.23	95.46	67.55	10.65
8/21/2023	2	114.91	93.92	67.45	10.61
8/21/2023	3	107.84	93.11	67.82	10.74
8/21/2023	4	103.52	93.48	68.82	10.95
8/21/2023	5	102.70	96.18	73.37	12.01
8/21/2023	6	105.88	100.95	81.58	14.73
8/21/2023	7	110.68	106.55	87.94	16.05
8/21/2023	8	113.32	113.70	90.07	17.34
8/21/2023	9	121.69	121.66	94.30	18.24
8/21/2023	10	135.44	127.31	95.55	19.39
8/21/2023	11	151.51	134.48	96.37	20.10
8/21/2023	12	171.22	138.98	96.95	20.60
8/21/2023	13	189.04	143.62	94.62	20.94
8/21/2023	14	202.78	146.51	95.10	21.34
8/21/2023	15	214.11	147.08	91.59	20.60
8/21/2023	16	222.03	142.48	91.71	18.91
8/21/2023	17	229.01	135.50	86.37	17.75
8/21/2023	18	230.99	130.01	84.04	16.70

8/21/2023	19	221.90	124.97	83.67	15.36
8/21/2023	20	206.99	119.14	83.64	14.47
8/21/2023	21	196.24	115.42	81.93	13.58
8/21/2023	22	175.25	109.61	79.71	12.16
8/21/2023	23	150.11	104.81	77.04	11.20
8/21/2023	24	129.05	101.67	76.05	10.82
8/22/2023	1	114.56	99.23	76.35	10.70
8/22/2023	2	104.86	97.08	75.19	10.54
8/22/2023	3	98.72	96.05	74.27	10.63
8/22/2023	4	95.60	95.84	74.49	10.67
8/22/2023	5	96.11	97.64	77.11	11.49
8/22/2023	6	100.22	102.18	83.49	14.08
8/22/2023	7	105.32	108.34	87.50	16.01
8/22/2023	8	106.59	115.98	89.94	17.54
8/22/2023	9	110.67	122.80	94.86	18.32
8/22/2023	10	117.72	127.42	97.57	18.76
8/22/2023	11	128.24	132.40	99.13	19.12
8/22/2023	12	141.38	135.05	97.73	19.10
8/22/2023	13	155.75	138.31	100.15	19.47
8/22/2023	14	170.03	140.75	93.01	19.84
8/22/2023	15	185.16	141.90	94.29	19.34
8/22/2023	16	201.71	140.73	87.80	17.94
8/22/2023	17	216.87	136.07	84.74	17.10
8/22/2023	18	222.97	131.61	83.68	16.23
8/22/2023	19	216.76	126.88	78.79	15.59
8/22/2023	20	203.85	120.77	79.94	14.68
8/22/2023	21	192.89	116.84	80.65	13.73
8/22/2023	22	173.62	110.40	80.15	12.13
8/22/2023	23	149.31	105.42	76.93	11.38
8/22/2023	24	150.87	107.19	76.52	11.79
8/23/2023	1	114.38	100.46	75.28	10.91
8/23/2023	2	105.30	98.45	73.17	10.87
8/23/2023	3	100.21	97.97	75.48	10.94
8/23/2023	4	98.16	98.33	75.29	11.33
8/23/2023	5	100.69	101.10	79.25	12.64
8/23/2023	6	106.08	106.17	85.78	15.42
8/23/2023	7	112.41	112.85	91.43	17.12
8/23/2023	8	115.59	120.74	94.78	18.53
8/23/2023	9	123.58	129.94	96.32	19.40
8/23/2023	10	139.53	138.63	99.18	20.54
8/23/2023	11	166.38	148.23	99.21	22.03
8/23/2023	12	190.71	153.39	100.13	23.08
8/23/2023	13	216.12	158.24	104.95	23.96
8/23/2023	14	239.74	160.97	104.15	24.76
8/23/2023	15	260.94	162.25	100.25	24.55
8/23/2023	16	279.26	159.45	95.11	23.64
8/23/2023	17	293.25	153.65	89.93	22.88
8/23/2023	18	297.85	149.14	81.78	21.87
8/23/2023	19	295.13	145.09	79.57	20.63
8/23/2023	20	286.00	139.56	79.54	18.66
8/23/2023	21	278.89	134.71	83.63	17.52
8/23/2023	22	261.09	128.49	85.97	15.36

8/23/2023	23	238.85	123.37	83.47	14.13
8/23/2023	24	212.50	116.99	82.05	13.65
8/24/2023	1	203.60	118.11	81.74	13.67
8/24/2023	2	192.12	115.95	79.52	13.64
8/24/2023	3	183.19	114.92	79.19	13.79
8/24/2023	4	176.42	114.77	82.38	14.10
8/24/2023	5	173.01	116.43	79.87	15.68
8/24/2023	6	171.80	121.50	87.64	18.84
8/24/2023	7	174.39	128.34	93.19	21.07
8/24/2023	8	176.27	136.97	96.11	22.38
8/24/2023	9	182.76	143.91	98.49	23.21
8/24/2023	10	189.89	146.79	100.49	23.63
8/24/2023	11	200.38	149.84	100.25	23.69
8/24/2023	12	220.38	152.77	100.71	23.96
8/24/2023	13	238.30	156.46	100.94	24.40
8/24/2023	14	256.58	159.54	99.23	25.10
8/24/2023	15	271.97	160.94	98.64	25.23
8/24/2023	16	288.38	158.38	94.43	23.70
8/24/2023	17	306.75	153.88	92.77	22.49
8/24/2023	18	313.14	148.06	88.08	21.32
8/24/2023	19	306.78	142.19	88.85	20.03
8/24/2023	20	295.86	136.36	84.28	18.91
8/24/2023	21	278.31	127.12	83.31	17.27
8/24/2023	22	250.41	117.82	80.42	14.78
8/24/2023	23	220.58	111.20	80.49	13.69
8/24/2023	24	176.12	84.23	76.85	12.73
8/25/2023	1	170.19	79.67	78.16	12.95
8/25/2023	2	153.39	76.83	78.06	12.63
8/25/2023	3	141.24	74.71	77.72	12.48
8/25/2023	4	132.96	74.45	77.26	12.72
8/25/2023	5	129.33	76.58	79.55	13.82
8/25/2023	6	129.88	81.18	86.28	16.46
8/25/2023	7	132.76	87.30	91.54	17.84
8/25/2023	8	133.19	93.39	93.84	18.88
8/25/2023	9	135.27	98.03	96.47	19.44
8/25/2023	10	138.17	113.68	97.44	19.66
8/25/2023	11	142.00	118.47	97.07	19.73
8/25/2023	12	146.04	118.41	95.31	19.43
8/25/2023	13	147.52	119.10	92.68	19.11
8/25/2023	14	150.99	119.80	89.98	19.09
8/25/2023	15	162.59	120.41	86.90	19.05
8/25/2023	16	173.03	119.12	85.50	18.07
8/25/2023	17	178.51	112.96	80.08	16.65
8/25/2023	18	185.68	110.20	77.49	15.63
8/25/2023	19	183.16	106.44	76.54	14.87
8/25/2023	20	175.74	102.67	68.85	14.48
8/25/2023	21	172.44	100.00	72.38	14.11
8/25/2023	22	162.86	94.46	72.04	12.60
8/25/2023	23	146.97	89.65	68.66	11.67
8/25/2023	24	126.66	84.56	62.94	10.97
8/26/2023	1	117.31	83.43	66.53	10.93
8/26/2023	2	107.98	81.61	66.64	10.98

8/26/2023	3	102.39	80.75	64.34	11.08
8/26/2023	4	99.07	81.08	65.93	11.20
8/26/2023	5	97.88	82.02	66.48	11.32
8/26/2023	6	99.75	84.08	67.41	11.84
8/26/2023	7	105.84	86.67	68.25	12.09
8/26/2023	8	116.69	90.12	67.47	11.65
8/26/2023	9	129.06	95.43	66.31	12.04
8/26/2023	10	140.11	100.78	67.74	12.81
8/26/2023	11	149.82	104.20	67.55	12.88
8/26/2023	12	161.61	106.03	66.34	13.23
8/26/2023	13	172.10	108.03	66.48	13.46
8/26/2023	14	180.36	108.87	66.32	13.35
8/26/2023	15	187.71	108.74	66.56	13.51
8/26/2023	16	193.44	108.57	66.38	13.39
8/26/2023	17	197.48	107.09	64.46	13.26
8/26/2023	18	195.87	104.13	63.99	12.66
8/26/2023	19	183.97	99.56	62.31	12.13
8/26/2023	20	168.44	95.25	53.99	11.93
8/26/2023	21	160.20	92.24	52.83	11.91
8/26/2023	22	147.84	87.95	51.25	10.98
8/26/2023	23	131.97	83.99	50.08	10.66
8/26/2023	24	110.30	78.60	53.03	10.08
8/27/2023	1	101.88	77.58	48.05	10.14
8/27/2023	2	92.59	75.18	49.24	10.18
8/27/2023	3	86.54	73.66	46.53	10.04
8/27/2023	4	82.64	72.84	46.27	9.92
8/27/2023	5	81.07	73.00	45.92	10.09
8/27/2023	6	81.62	73.72	44.86	10.33
8/27/2023	7	86.85	74.68	45.29	9.89
8/27/2023	8	98.63	77.86	47.26	9.79
8/27/2023	9	111.13	84.03	48.20	10.22
8/27/2023	10	119.81	88.98	49.66	10.94
8/27/2023	11	126.31	92.89	50.17	11.28
8/27/2023	12	134.05	95.16	50.95	11.60
8/27/2023	13	140.67	95.93	51.16	11.69
8/27/2023	14	147.45	97.42	51.64	11.68
8/27/2023	15	154.90	97.87	51.26	11.92
8/27/2023	16	163.59	98.41	51.32	12.57
8/27/2023	17	172.07	96.76	51.73	12.51
8/27/2023	18	174.56	94.93	51.71	12.14
8/27/2023	19	169.40	91.40	54.97	11.55
8/27/2023	20	160.63	86.78	51.59	11.27
8/27/2023	21	151.73	84.46	59.93	11.14
8/27/2023	22	133.29	80.83	64.25	10.45
8/27/2023	23	112.06	77.05	58.05	9.93
8/27/2023	24	94.79	75.69	65.40	9.83
8/28/2023	1	85.41	72.50	57.76	9.48
8/28/2023	2	79.40	71.17	59.88	9.57
8/28/2023	3	76.67	70.68	66.17	9.52
8/28/2023	4	76.44	71.07	65.70	9.69
8/28/2023	5	79.88	72.78	71.94	10.61
8/28/2023	6	89.26	77.39	78.79	12.47

8/28/2023	7	94.18	82.53	84.08	14.62
8/28/2023	8	91.60	89.31	90.02	16.79
8/28/2023	9	94.09	97.53	94.46	18.61
8/28/2023	10	98.02	104.16	97.49	19.87
8/28/2023	11	101.91	108.50	98.53	19.91
8/28/2023	12	108.13	111.22	99.17	19.95
8/28/2023	13	114.18	113.25	99.71	19.70
8/28/2023	14	119.81	114.68	97.42	19.76
8/28/2023	15	128.98	115.76	93.83	18.83
8/28/2023	16	141.77	113.68	91.60	17.17
8/28/2023	17	156.29	108.91	87.78	15.89
8/28/2023	18	164.27	104.78	83.78	14.88
8/28/2023	19	161.52	100.34	83.64	14.00
8/28/2023	20	153.64	96.06	81.84	13.21
8/28/2023	21	145.55	92.69	80.62	12.68
8/28/2023	22	127.42	87.19	77.94	11.11
8/28/2023	23	107.85	82.96	74.60	10.25
8/28/2023	24	93.25	79.66	74.33	10.02
8/29/2023	1	84.03	77.59	73.78	9.68
8/29/2023	2	78.74	76.17	73.68	9.58
8/29/2023	3	76.44	75.83	74.09	9.80
8/29/2023	4	76.12	76.30	75.19	9.96
8/29/2023	5	79.19	78.30	78.09	10.78
8/29/2023	6	87.88	83.28	83.73	12.86
8/29/2023	7	93.10	88.60	89.25	14.97
8/29/2023	8	90.79	95.83	92.15	17.04
8/29/2023	9	93.10	103.61	96.37	18.98
8/29/2023	10	95.51	109.05	96.57	19.86
8/29/2023	11	98.60	113.35	96.41	20.34
8/29/2023	12	104.04	115.73	95.88	20.77
8/29/2023	13	111.01	119.89	97.63	21.26
8/29/2023	14	116.00	120.93	98.48	21.05
8/29/2023	15	120.10	118.79	94.83	19.42
8/29/2023	16	133.25	116.49	90.44	17.61
8/29/2023	17	151.16	112.43	87.14	16.16
8/29/2023	18	159.18	106.81	82.60	14.91
8/29/2023	19	155.62	101.08	82.74	13.84
8/29/2023	20	148.54	96.19	80.42	13.16
8/29/2023	21	142.84	92.00	79.11	12.48
8/29/2023	22	125.99	86.15	78.73	11.07
8/29/2023	23	107.44	82.15	76.77	10.17
8/29/2023	24	91.04	91.18	74.78	9.72
8/30/2023	1	84.23	89.66	74.79	9.64
8/30/2023	2	78.39	87.78	73.60	9.50
8/30/2023	3	76.10	86.90	72.76	9.51
8/30/2023	4	76.03	87.51	73.22	9.84
8/30/2023	5	79.18	89.83	77.43	10.72
8/30/2023	6	88.24	95.00	82.42	13.06
8/30/2023	7	94.02	100.78	90.28	15.21
8/30/2023	8	91.26	105.81	95.31	17.11
8/30/2023	9	91.63	111.46	95.47	17.66
8/30/2023	10	93.50	115.36	97.32	18.04

8/30/2023	11	96.52	118.35	97.31	18.35
8/30/2023	12	100.37	120.06	97.34	18.63
8/30/2023	13	103.01	122.53	100.25	18.82
8/30/2023	14	106.22	124.49	98.85	18.46
8/30/2023	15	111.63	123.63	95.98	17.47
8/30/2023	16	121.35	120.88	90.15	15.92
8/30/2023	17	131.47	116.74	86.76	14.58
8/30/2023	18	136.62	112.08	84.37	13.44
8/30/2023	19	134.27	107.90	79.49	12.62
8/30/2023	20	130.14	103.38	77.36	11.96
8/30/2023	21	127.17	100.12	78.80	11.51
8/30/2023	22	114.07	95.20	77.71	10.45
8/30/2023	23	97.92	91.40	75.98	9.58
8/30/2023	24	86.65	88.60	73.52	9.46
8/31/2023	1	77.75	85.92	73.58	9.35
8/31/2023	2	73.83	84.44	71.91	9.26
8/31/2023	3	71.86	83.52	71.15	9.29
8/31/2023	4	72.17	83.78	73.08	9.58
8/31/2023	5	75.81	85.91	75.10	10.14
8/31/2023	6	85.73	90.77	79.03	11.57
8/31/2023	7	92.18	95.82	87.11	13.52
8/31/2023	8	90.25	101.14	91.33	15.75
8/31/2023	9	91.73	108.94	94.03	16.93
8/31/2023	10	93.18	114.16	97.12	18.31
8/31/2023	11	94.96	117.03	98.95	18.88
8/31/2023	12	98.06	119.24	95.66	19.05
8/31/2023	13	100.10	122.20	98.94	19.15
8/31/2023	14	103.81	124.63	97.12	19.03
8/31/2023	15	110.12	124.99	93.69	17.96
8/31/2023	16	121.71	123.08	92.10	16.14
8/31/2023	17	133.85	119.38	88.82	15.08
8/31/2023	18	140.16	114.99	85.59	14.11
8/31/2023	19	137.63	109.89	83.18	13.61
8/31/2023	20	132.59	105.39	82.23	13.13
8/31/2023	21	129.17	101.15	80.13	12.59
8/31/2023	22	117.87	96.24	77.22	11.11
8/31/2023	23	103.03	92.13	77.66	10.22
8/31/2023	24	93.98	89.58	70.28	9.77
9/1/2023	1	81.25	86.88	74.34	9.43
9/1/2023	2	76.16	85.34	73.31	9.42
9/1/2023	3	73.53	84.61	69.82	9.57
9/1/2023	4	72.98	84.97	71.18	9.73
9/1/2023	5	75.50	86.62	74.13	10.42
9/1/2023	6	80.62	89.83	79.41	11.45
9/1/2023	7	87.83	93.43	82.96	12.15
9/1/2023	8	93.36	99.02	85.49	12.82
9/1/2023	9	98.77	105.69	85.36	13.63
9/1/2023	10	102.53	111.43	87.54	14.61
9/1/2023	11	106.60	117.12	88.73	14.90
9/1/2023	12	111.67	120.44	89.81	15.35
9/1/2023	13	117.42	123.47	89.83	15.52
9/1/2023	14	125.30	126.30	89.76	15.76

9/1/2023	15	136.19	127.38	83.72	15.76
9/1/2023	16	149.77	127.43	79.29	15.15
9/1/2023	17	163.28	125.28	78.23	14.49
9/1/2023	18	169.52	121.89	74.29	13.41
9/1/2023	19	165.49	117.65	63.31	12.77
9/1/2023	20	155.98	112.50	62.29	12.51
9/1/2023	21	150.40	108.01	62.31	11.99
9/1/2023	22	137.41	101.71	60.83	10.96
9/1/2023	23	120.49	97.08	57.45	10.42
9/1/2023	24	111.05	94.25	50.83	10.12
9/2/2023	1	92.74	90.44	51.85	9.68
9/2/2023	2	85.05	88.92	51.37	9.63
9/2/2023	3	80.57	88.19	51.10	9.53
9/2/2023	4	78.24	87.92	49.28	9.60
9/2/2023	5	77.81	88.21	48.84	9.70
9/2/2023	6	79.71	89.14	48.02	10.21
9/2/2023	7	86.22	90.60	47.78	10.10
9/2/2023	8	98.84	94.90	47.88	10.34
9/2/2023	9	111.73	102.27	48.75	10.98
9/2/2023	10	123.32	109.09	50.19	11.29
9/2/2023	11	134.25	115.13	51.27	11.75
9/2/2023	12	146.81	118.96	52.41	12.45
9/2/2023	13	159.16	121.86	52.80	12.65
9/2/2023	14	170.89	123.12	53.28	12.63
9/2/2023	15	183.92	124.62	53.55	12.95
9/2/2023	16	196.93	125.30	52.05	13.07
9/2/2023	17	208.80	124.45	51.18	13.07
9/2/2023	18	210.80	122.94	50.14	12.76
9/2/2023	19	203.15	118.56	48.83	12.37
9/2/2023	20	191.84	114.46	48.75	12.19
9/2/2023	21	183.35	110.67	47.72	11.90
9/2/2023	22	168.26	106.38	46.95	11.34
9/2/2023	23	148.57	101.70	45.76	10.79
9/2/2023	24	137.16	99.08	44.68	10.89
9/3/2023	1	114.06	94.97	44.72	10.44
9/3/2023	2	102.87	92.36	43.90	10.23
9/3/2023	3	95.12	91.23	43.00	10.09
9/3/2023	4	90.58	90.99	43.11	9.95
9/3/2023	5	89.16	91.84	42.70	10.18
9/3/2023	6	90.39	93.42	42.65	10.71
9/3/2023	7	96.39	96.09	41.75	10.77
9/3/2023	8	111.83	99.58	42.73	10.89
9/3/2023	9	134.26	107.76	43.84	11.31
9/3/2023	10	155.49	115.69	45.89	12.20
9/3/2023	11	177.32	122.47	47.23	12.97
9/3/2023	12	198.62	125.85	48.19	13.53
9/3/2023	13	217.59	127.29	47.81	13.73
9/3/2023	14	231.67	128.55	49.30	13.68
9/3/2023	15	243.85	129.71	49.59	14.03
9/3/2023	16	255.01	129.67	48.73	14.35
9/3/2023	17	264.35	129.74	48.06	14.32
9/3/2023	18	264.30	127.84	46.60	13.97

9/3/2023	19	256.16	123.85	46.23	13.64
9/3/2023	20	239.32	118.50	44.83	13.29
9/3/2023	21	226.75	114.83	43.44	13.28
9/3/2023	22	206.63	110.43	42.53	12.37
9/3/2023	23	182.34	106.32	42.22	12.05
9/3/2023	24	161.04	103.60	45.41	11.96
9/4/2023	1	139.76	99.19	40.19	11.79
9/4/2023	2	126.62	97.70	39.27	11.50
9/4/2023	3	118.41	96.65	38.38	11.53
9/4/2023	4	112.47	96.82	39.34	12.03
9/4/2023	5	109.13	97.82	38.68	12.96
9/4/2023	6	107.08	99.50	38.32	15.47
9/4/2023	7	109.95	100.90	37.84	15.82
9/4/2023	8	125.52	104.33	37.82	16.06
9/4/2023	9	154.16	112.15	39.32	16.75
9/4/2023	10	184.63	120.19	41.27	17.75
9/4/2023	11	210.29	126.05	42.72	18.32
9/4/2023	12	231.32	130.11	44.68	18.62
9/4/2023	13	247.47	132.54	45.05	18.75
9/4/2023	14	258.92	133.89	44.43	18.89
9/4/2023	15	268.09	134.63	43.69	18.79
9/4/2023	16	277.63	134.36	44.45	18.02
9/4/2023	17	285.04	133.01	44.18	17.50
9/4/2023	18	286.04	130.54	43.71	16.64
9/4/2023	19	277.99	127.02	47.24	15.90
9/4/2023	20	263.09	122.93	43.63	15.29
9/4/2023	21	246.94	118.98	50.57	14.48
9/4/2023	22	219.54	113.30	56.63	13.07
9/4/2023	23	190.40	109.16	56.86	12.30
9/4/2023	24	165.68	107.20	64.05	12.11
9/5/2023	1	149.30	104.65	58.68	11.81
9/5/2023	2	137.88	103.18	57.51	11.77
9/5/2023	3	130.73	102.19	59.91	11.96
9/5/2023	4	125.41	102.49	60.40	12.38
9/5/2023	5	124.94	104.24	67.87	13.28
9/5/2023	6	130.86	109.30	76.23	17.02
9/5/2023	7	134.77	117.28	83.07	20.39
9/5/2023	8	134.12	125.93	90.75	23.39
9/5/2023	9	146.56	136.34	93.66	24.74
9/5/2023	10	162.42	143.05	94.64	25.93
9/5/2023	11	182.28	148.80	97.40	26.40
9/5/2023	12	204.04	151.83	97.91	26.61
9/5/2023	13	223.34	155.62	101.72	26.91
9/5/2023	14	237.67	157.27	100.15	26.81
9/5/2023	15	251.78	156.10	96.38	25.47
9/5/2023	16	261.94	152.03	91.86	22.72
9/5/2023	17	271.50	146.03	83.28	20.59
9/5/2023	18	272.79	138.95	75.58	18.73
9/5/2023	19	261.34	132.47	83.05	17.51
9/5/2023	20	248.93	126.91	78.03	16.77
9/5/2023	21	235.41	121.60	77.03	15.43
9/5/2023	22	211.76	116.30	79.76	13.73

9/5/2023	23	186.86	112.36	78.55	12.89
9/5/2023	24	151.77	104.57	78.00	12.06
9/6/2023	1	148.41	106.22	77.43	12.09
9/6/2023	2	136.79	104.64	75.10	11.72
9/6/2023	3	130.84	103.95	67.83	11.88
9/6/2023	4	127.29	104.58	65.86	12.56
9/6/2023	5	127.34	107.30	69.49	14.11
9/6/2023	6	131.73	112.90	76.49	17.89
9/6/2023	7	137.00	119.66	82.87	21.48
9/6/2023	8	131.50	125.55	86.38	23.91
9/6/2023	9	126.54	127.42	97.77	24.34
9/6/2023	10	125.58	127.29	100.06	24.10
9/6/2023	11	131.09	130.14	100.09	23.98
9/6/2023	12	145.28	133.42	101.46	24.19
9/6/2023	13	161.49	138.62	101.75	24.44
9/6/2023	14	173.16	140.25	100.80	24.40
9/6/2023	15	186.72	140.24	95.01	23.25
9/6/2023	16	197.10	134.68	91.39	20.35
9/6/2023	17	205.06	128.05	86.65	18.14
9/6/2023	18	205.25	122.11	82.82	16.39
9/6/2023	19	191.80	115.70	81.61	15.16
9/6/2023	20	180.27	109.86	81.11	14.58
9/6/2023	21	170.27	105.06	80.75	13.49
9/6/2023	22	151.90	99.78	80.88	11.90
9/6/2023	23	132.13	95.69	79.84	11.25
9/6/2023	24	109.41	90.97	77.50	10.64
9/7/2023	1	105.29	91.54	77.84	10.92
9/7/2023	2	99.39	90.55	76.69	10.84
9/7/2023	3	96.32	90.58	75.60	10.95
9/7/2023	4	94.79	91.31	77.51	11.18
9/7/2023	5	96.53	93.42	80.76	12.18
9/7/2023	6	104.54	98.69	85.93	15.45
9/7/2023	7	109.89	105.61	92.95	18.42
9/7/2023	8	105.57	112.18	94.90	20.98
9/7/2023	9	104.38	116.59	96.76	21.31
9/7/2023	10	105.17	119.64	97.47	21.33
9/7/2023	11	107.58	121.70	96.57	21.37
9/7/2023	12	110.52	108.22	94.65	21.21
9/7/2023	13	113.65	107.51	94.89	21.15
9/7/2023	14	115.22	120.88	93.20	20.57
9/7/2023	15	117.48	120.15	90.67	19.20
9/7/2023	16	123.52	116.06	88.44	17.00
9/7/2023	17	130.73	110.14	84.50	15.50
9/7/2023	18	132.15	105.24	82.30	14.39
9/7/2023	19	131.07	101.52	80.50	13.55
9/7/2023	20	132.08	99.20	74.05	12.99
9/7/2023	21	129.09	95.61	75.83	11.82
9/7/2023	22	118.30	91.31	78.01	10.64
9/7/2023	23	103.84	87.89	76.32	10.05
9/7/2023	24	91.31	85.11	69.94	9.62
9/8/2023	1	83.90	83.80	71.13	9.59
9/8/2023	2	79.37	82.89	70.61	9.67

9/8/2023	3	77.05	82.50	70.48	9.86
9/8/2023	4	76.68	83.07	74.40	10.09
9/8/2023	5	79.21	85.44	72.12	11.11
9/8/2023	6	87.36	88.38	80.47	13.20
9/8/2023	7	93.83	96.30	85.98	15.72
9/8/2023	8	92.77	101.20	88.24	17.68
9/8/2023	9	93.35	103.70	86.90	18.19
9/8/2023	10	94.83	106.32	90.29	18.77
9/8/2023	11	96.95	109.12	93.37	18.90
9/8/2023	12	98.31	109.14	89.93	19.03
9/8/2023	13	98.60	110.34	93.77	18.75
9/8/2023	14	98.12	110.23	92.56	18.37
9/8/2023	15	99.66	109.12	88.91	17.04
9/8/2023	16	105.51	107.29	84.95	15.15
9/8/2023	17	112.43	103.39	79.45	13.93
9/8/2023	18	115.20	100.25	78.03	13.22
9/8/2023	19	113.26	97.30	75.41	12.52
9/8/2023	20	113.66	95.79	72.83	12.55
9/8/2023	21	114.07	93.49	74.30	12.18
9/8/2023	22	108.33	89.76	73.33	10.62
9/8/2023	23	99.34	86.43	68.68	9.73
9/8/2023	24	89.19	83.38	61.68	9.21
9/9/2023	1	80.82	81.64	66.50	9.24
9/9/2023	2	75.63	80.02	65.60	9.02
9/9/2023	3	73.09	79.43	63.05	8.92
9/9/2023	4	71.79	79.60	65.11	8.92
9/9/2023	5	72.34	80.46	65.33	9.18
9/9/2023	6	75.29	81.99	65.78	9.58
9/9/2023	7	82.15	83.79	65.59	9.60
9/9/2023	8	92.12	86.12	67.01	9.48
9/9/2023	9	100.84	92.59	62.26	9.94
9/9/2023	10	106.67	96.98	62.28	10.41
9/9/2023	11	110.66	100.31	64.83	10.47
9/9/2023	12	113.61	101.93	64.12	10.76
9/9/2023	13	117.11	103.14	63.97	10.88
9/9/2023	14	121.21	103.92	63.61	10.81
9/9/2023	15	125.11	104.87	62.87	11.03
9/9/2023	16	130.16	105.02	62.80	11.05
9/9/2023	17	134.49	103.88	61.46	10.92
9/9/2023	18	134.67	101.50	59.40	10.65
9/9/2023	19	130.39	98.59	56.85	10.52
9/9/2023	20	126.37	95.99	52.03	10.44
9/9/2023	21	123.58	92.94	51.03	10.22
9/9/2023	22	113.80	89.32	49.67	9.63
9/9/2023	23	102.26	85.74	48.28	9.30
9/9/2023	24	91.10	83.18	50.80	9.00
9/10/2023	1	81.80	81.00	47.84	8.86
9/10/2023	2	76.43	79.43	48.22	9.12
9/10/2023	3	73.21	78.49	47.83	9.02
9/10/2023	4	71.60	77.94	47.93	8.89
9/10/2023	5	71.77	78.46	46.98	9.01
9/10/2023	6	74.02	79.85	46.67	9.11

9/10/2023	7	80.14	81.31	46.46	9.01
9/10/2023	8	91.38	83.24	46.45	8.83
9/10/2023	9	101.94	89.83	44.57	9.44
9/10/2023	10	109.25	95.33	45.25	10.02
9/10/2023	11	114.86	99.43	47.39	10.39
9/10/2023	12	120.23	101.41	47.31	10.67
9/10/2023	13	125.21	103.07	48.55	10.64
9/10/2023	14	130.29	104.05	48.37	10.71
9/10/2023	15	136.86	104.90	47.47	10.94
9/10/2023	16	144.73	105.00	45.22	10.99
9/10/2023	17	153.48	104.49	45.32	10.98
9/10/2023	18	156.64	101.78	44.60	10.79
9/10/2023	19	153.28	98.27	48.38	10.62
9/10/2023	20	150.96	95.54	49.15	10.66
9/10/2023	21	142.49	92.78	56.98	10.46
9/10/2023	22	124.81	89.37	60.25	9.80
9/10/2023	23	106.21	86.52	60.78	9.38
9/10/2023	24	89.21	84.29	65.17	9.23
9/11/2023	1	81.87	82.57	61.59	9.15
9/11/2023	2	77.13	81.68	61.80	9.22
9/11/2023	3	74.97	81.41	62.40	9.40
9/11/2023	4	74.61	82.21	63.09	9.78
9/11/2023	5	78.04	84.51	68.47	10.94
9/11/2023	6	87.47	89.76	75.52	13.20
9/11/2023	7	93.71	96.27	81.65	15.81
9/11/2023	8	91.62	101.88	86.47	18.14
9/11/2023	9	92.63	106.08	88.35	18.86
9/11/2023	10	95.05	108.46	93.51	19.28
9/11/2023	11	97.32	109.71	93.00	19.44
9/11/2023	12	99.40	109.13	92.53	19.19
9/11/2023	13	99.18	109.93	95.88	18.81
9/11/2023	14	97.87	110.38	94.78	18.28
9/11/2023	15	99.11	108.37	90.38	17.36
9/11/2023	16	106.20	105.11	86.04	15.43
9/11/2023	17	117.35	100.71	82.14	14.15
9/11/2023	18	124.12	97.78	78.74	13.60
9/11/2023	19	124.17	96.32	78.29	13.14
9/11/2023	20	123.27	94.38	77.60	12.74
9/11/2023	21	117.83	91.82	78.00	11.76
9/11/2023	22	106.14	88.49	78.06	10.52
9/11/2023	23	93.30	86.12	77.28	9.67
9/11/2023	24	82.99	83.34	74.98	9.32
9/12/2023	1	77.38	82.58	72.59	9.19
9/12/2023	2	73.68	81.73	72.17	9.11
9/12/2023	3	72.19	81.58	70.74	9.35
9/12/2023	4	72.62	82.42	70.30	9.43
9/12/2023	5	76.04	84.96	70.99	10.60
9/12/2023	6	85.00	89.71	77.20	12.61
9/12/2023	7	92.12	95.32	88.09	15.10
9/12/2023	8	89.58	100.42	95.05	17.15
9/12/2023	9	89.86	105.43	96.82	17.94
9/12/2023	10	91.35	108.53	99.00	18.55

9/12/2023	11	93.48	110.58	99.95	18.98
9/12/2023	12	95.53	110.83	94.48	19.04
9/12/2023	13	97.09	112.38	94.26	18.50
9/12/2023	14	98.31	112.96	98.27	18.51
9/12/2023	15	101.71	112.41	91.75	17.43
9/12/2023	16	108.80	109.25	88.06	15.49
9/12/2023	17	117.21	103.61	82.20	14.10
9/12/2023	18	121.56	98.92	80.11	13.20
9/12/2023	19	121.36	95.41	80.34	12.46
9/12/2023	20	122.83	93.31	78.01	12.07
9/12/2023	21	119.50	90.28	75.62	11.21
9/12/2023	22	106.54	86.59	76.61	10.01
9/12/2023	23	92.24	83.27	74.80	9.39
9/12/2023	24	81.18	80.43	74.66	9.10
9/13/2023	1	75.15	78.88	71.99	8.84
9/13/2023	2	71.76	77.81	69.96	8.73
9/13/2023	3	70.41	77.59	70.78	8.86
9/13/2023	4	71.00	78.23	71.44	8.98
9/13/2023	5	74.89	80.76	73.94	9.74
9/13/2023	6	84.26	85.45	80.76	11.32
9/13/2023	7	91.69	90.80	85.60	13.61
9/13/2023	8	89.55	95.21	89.04	15.54
9/13/2023	9	89.20	100.15	90.39	16.45
9/13/2023	10	89.99	103.91	91.08	17.09
9/13/2023	11	90.81	106.75	93.10	17.43
9/13/2023	12	92.38	106.81	92.98	17.65
9/13/2023	13	91.69	108.18	91.66	17.54
9/13/2023	14	91.40	108.97	93.79	17.17
9/13/2023	15	93.51	108.87	86.26	16.32
9/13/2023	16	99.53	106.84	85.83	14.79
9/13/2023	17	108.24	102.72	80.94	13.79
9/13/2023	18	113.09	98.82	75.02	12.85
9/13/2023	19	114.71	95.43	75.42	12.19
9/13/2023	20	118.44	92.82	77.00	12.10
9/13/2023	21	116.25	88.89	77.31	11.04
9/13/2023	22	104.06	84.96	76.41	9.88
9/13/2023	23	90.56	81.89	74.91	9.17
9/13/2023	24	80.99	79.72	73.33	8.98
9/14/2023	1	74.66	78.32	71.23	8.71
9/14/2023	2	71.40	77.68	68.94	8.68
9/14/2023	3	70.12	77.50	70.16	8.69
9/14/2023	4	70.92	78.22	68.96	8.98
9/14/2023	5	75.39	80.81	73.35	9.42
9/14/2023	6	85.90	85.50	79.57	11.26
9/14/2023	7	93.48	90.59	87.06	13.67
9/14/2023	8	90.85	94.92	91.52	15.59
9/14/2023	9	90.53	100.12	92.04	16.31
9/14/2023	10	90.51	105.78	94.34	17.36
9/14/2023	11	90.88	108.59	93.20	18.06
9/14/2023	12	91.93	109.46	91.45	18.19
9/14/2023	13	91.77	110.98	95.30	18.24
9/14/2023	14	92.42	111.68	96.60	17.87

9/14/2023	15	95.01	111.89	91.59	17.14
9/14/2023	16	102.30	110.26	90.55	15.15
9/14/2023	17	111.10	106.18	85.86	14.03
9/14/2023	18	116.26	102.66	82.72	12.99
9/14/2023	19	117.38	98.45	77.86	12.48
9/14/2023	20	120.52	95.52	77.24	12.17
9/14/2023	21	118.13	91.76	77.88	11.30
9/14/2023	22	106.07	87.00	75.68	10.17
9/14/2023	23	92.31	83.07	72.92	9.55
9/14/2023	24	82.49	80.82	66.68	9.16
9/15/2023	1	75.04	78.63	71.91	9.03
9/15/2023	2	71.48	77.64	69.88	8.77
9/15/2023	3	70.40	77.35	70.31	8.82
9/15/2023	4	70.71	78.21	62.91	8.91
9/15/2023	5	74.74	80.66	65.89	9.54
9/15/2023	6	84.98	84.66	74.26	11.22
9/15/2023	7	92.83	89.91	79.23	13.56
9/15/2023	8	91.37	94.39	82.82	15.37
9/15/2023	9	92.10	100.84	77.66	16.22
9/15/2023	10	92.95	106.11	78.40	17.28
9/15/2023	11	93.90	110.08	86.88	18.17
9/15/2023	12	95.11	111.82	86.93	18.37
9/15/2023	13	95.45	113.15	86.84	18.33
9/15/2023	14	96.41	112.92	84.62	17.77
9/15/2023	15	99.43	112.14	81.41	16.68
9/15/2023	16	106.97	111.79	78.98	15.01
9/15/2023	17	115.06	108.37	75.31	13.67
9/15/2023	18	118.65	105.01	68.15	12.51
9/15/2023	19	116.49	100.95	63.25	12.26
9/15/2023	20	116.50	97.43	58.93	12.66
9/15/2023	21	113.68	94.17	56.56	11.92
9/15/2023	22	106.25	90.11	53.05	10.50
9/15/2023	23	95.57	86.20	49.20	9.41
9/15/2023	24	85.60	83.32	46.11	8.94
9/16/2023	1	77.50	81.39	47.67	8.80
9/16/2023	2	73.22	80.23	46.94	8.82
9/16/2023	3	70.84	79.51	46.26	8.85
9/16/2023	4	70.04	79.26	46.61	8.86
9/16/2023	5	70.91	80.15	47.85	8.94
9/16/2023	6	74.33	81.79	48.84	9.22
9/16/2023	7	82.34	83.56	50.18	9.27
9/16/2023	8	93.29	85.58	51.20	9.16
9/16/2023	9	100.87	90.73	51.82	9.32
9/16/2023	10	104.23	93.73	50.87	10.12
9/16/2023	11	105.35	96.55	51.39	10.24
9/16/2023	12	105.60	97.85	52.94	10.43
9/16/2023	13	105.53	99.88	52.14	10.53
9/16/2023	14	106.45	101.04	50.91	10.34
9/16/2023	15	108.53	102.16	49.55	10.42
9/16/2023	16	110.31	100.97	47.79	10.51
9/16/2023	17	114.30	99.04	46.81	10.23
9/16/2023	18	116.94	96.57	45.44	9.93

9/16/2023	19	116.84	95.19	44.72	9.84
9/16/2023	20	117.74	94.49	44.53	10.31
9/16/2023	21	114.90	92.38	43.84	10.13
9/16/2023	22	106.91	89.25	42.96	9.53
9/16/2023	23	96.84	86.02	41.34	9.08
9/16/2023	24	85.71	82.90	42.11	8.84
9/17/2023	1	79.34	82.30	40.28	8.70
9/17/2023	2	74.52	81.09	40.47	8.69
9/17/2023	3	71.84	80.47	40.19	8.76
9/17/2023	4	70.32	80.54	39.99	8.82
9/17/2023	5	70.68	81.42	39.75	8.89
9/17/2023	6	72.81	82.67	39.82	9.19
9/17/2023	7	79.03	84.84	40.60	9.33
9/17/2023	8	91.20	86.83	41.01	9.18
9/17/2023	9	102.80	89.93	41.07	9.21
9/17/2023	10	109.24	92.94	41.40	9.51
9/17/2023	11	113.50	95.67	43.21	9.66
9/17/2023	12	118.11	96.13	43.04	9.87
9/17/2023	13	119.41	96.75	42.85	9.83
9/17/2023	14	118.94	97.01	42.77	9.81
9/17/2023	15	119.21	96.43	42.61	9.78
9/17/2023	16	121.89	96.11	42.38	9.85
9/17/2023	17	127.06	94.17	42.98	9.94
9/17/2023	18	129.11	93.16	42.11	9.62
9/17/2023	19	128.39	91.08	47.19	9.67
9/17/2023	20	130.34	89.63	44.79	10.14
9/17/2023	21	123.20	87.58	52.22	10.02
9/17/2023	22	108.95	84.97	54.23	9.38
9/17/2023	23	93.37	82.72	53.22	9.01
9/17/2023	24	81.30	80.56	58.66	8.87
9/18/2023	1	75.10	79.28	57.98	8.75
9/18/2023	2	71.42	78.18	58.66	8.62
9/18/2023	3	70.17	77.92	60.08	8.67
9/18/2023	4	70.98	78.20	58.49	8.82
9/18/2023	5	75.06	80.16	65.11	9.50
9/18/2023	6	85.71	84.81	72.82	11.15
9/18/2023	7	93.16	90.62	78.78	13.62
9/18/2023	8	90.50	95.16	82.70	15.60
9/18/2023	9	90.78	99.99	86.38	16.36
9/18/2023	10	92.42	104.20	92.47	17.19
9/18/2023	11	93.33	107.79	93.32	17.55
9/18/2023	12	94.34	107.55	93.14	17.86
9/18/2023	13	94.55	108.37	93.72	17.33
9/18/2023	14	94.73	109.07	91.11	17.09
9/18/2023	15	95.90	109.06	88.84	16.39
9/18/2023	16	102.01	106.50	85.16	14.60
9/18/2023	17	111.37	102.36	82.38	13.44
9/18/2023	18	117.12	98.58	76.44	12.71
9/18/2023	19	118.61	95.33	74.31	12.27
9/18/2023	20	121.84	92.85	75.67	12.05
9/18/2023	21	116.60	89.21	77.86	10.91
9/18/2023	22	102.90	84.70	78.21	9.77

9/18/2023	23	89.26	81.75	75.28	9.23
9/18/2023	24	79.49	80.66	73.67	8.87
9/19/2023	1	73.68	78.27	74.55	8.66
9/19/2023	2	70.50	77.37	74.55	8.53
9/19/2023	3	69.67	77.06	74.30	8.51
9/19/2023	4	70.44	78.06	74.78	8.69
9/19/2023	5	74.50	80.33	77.77	9.27
9/19/2023	6	85.08	85.46	83.19	11.19
9/19/2023	7	92.51	91.15	88.74	13.65
9/19/2023	8	89.73	95.69	88.54	15.52
9/19/2023	9	88.97	101.24	87.94	16.40
9/19/2023	10	89.44	104.62	88.78	17.12
9/19/2023	11	90.46	107.37	89.17	17.27
9/19/2023	12	91.45	106.60	88.95	17.50
9/19/2023	13	90.98	106.98	92.56	17.41
9/19/2023	14	91.19	106.98	92.07	16.99
9/19/2023	15	92.32	106.32	87.18	16.02
9/19/2023	16	99.39	102.89	83.00	14.41
9/19/2023	17	108.94	98.71	70.17	13.27
9/19/2023	18	114.87	95.98	71.75	12.47
9/19/2023	19	117.79	94.49	72.95	12.41
9/19/2023	20	119.26	93.04	73.23	12.21
9/19/2023	21	112.87	90.52	79.37	11.27
9/19/2023	22	101.40	87.91	80.05	10.04
9/19/2023	23	88.57	85.57	77.05	9.40
9/19/2023	24	81.85	84.39	76.49	9.14
9/20/2023	1	74.16	82.17	76.59	8.88
9/20/2023	2	70.80	81.35	74.56	8.88
9/20/2023	3	69.94	81.39	73.92	8.85
9/20/2023	4	70.69	79.70	76.73	9.01
9/20/2023	5	74.62	81.66	79.92	9.73
9/20/2023	6	84.60	89.30	86.20	11.77
9/20/2023	7	91.84	95.50	91.90	14.32
9/20/2023	8	89.11	99.48	95.55	16.11
9/20/2023	9	88.27	104.85	96.15	17.72
9/20/2023	10	88.96	94.39	95.55	18.51
9/20/2023	11	90.20	105.48	95.92	19.16
9/20/2023	12	93.58	116.04	97.12	19.62
9/20/2023	13	96.57	119.17	98.68	19.67
9/20/2023	14	100.49	121.06	99.99	19.44
9/20/2023	15	106.14	121.68	97.74	18.44
9/20/2023	16	116.24	119.74	92.35	16.57
9/20/2023	17	125.95	115.26	88.87	15.21
9/20/2023	18	130.46	110.14	86.31	14.11
9/20/2023	19	131.49	106.11	79.47	13.57
9/20/2023	20	134.95	102.44	77.95	13.16
9/20/2023	21	129.44	96.63	76.71	11.85
9/20/2023	22	116.36	92.55	73.73	10.62
9/20/2023	23	100.23	89.14	74.44	9.88
9/20/2023	24	88.97	87.12	74.37	9.42
9/21/2023	1	79.82	85.22	72.04	9.43
9/21/2023	2	75.11	84.06	70.73	9.38

9/21/2023	3	72.81	83.62	69.69	9.34
9/21/2023	4	72.71	84.17	74.30	9.44
9/21/2023	5	75.84	86.77	77.99	10.15
9/21/2023	6	84.87	91.61	84.13	12.10
9/21/2023	7	91.89	97.71	90.79	15.09
9/21/2023	8	89.07	102.66	94.05	17.49
9/21/2023	9	89.01	108.00	96.05	18.82
9/21/2023	10	90.70	112.47	96.84	19.60
9/21/2023	11	93.51	116.82	97.90	20.17
9/21/2023	12	97.67	118.65	97.89	20.66
9/21/2023	13	101.35	121.08	101.32	20.46
9/21/2023	14	105.56	122.73	98.47	20.21
9/21/2023	15	111.85	122.50	96.56	19.00
9/21/2023	16	121.68	120.80	93.24	17.27
9/21/2023	17	131.12	116.25	88.56	15.71
9/21/2023	18	135.13	112.06	86.13	14.50
9/21/2023	19	136.69	108.24	83.87	14.26
9/21/2023	20	140.52	105.29	83.41	13.93
9/21/2023	21	135.74	99.84	82.93	12.45
9/21/2023	22	121.90	94.45	81.02	10.79
9/21/2023	23	105.36	90.35	79.27	9.98
9/21/2023	24	93.78	87.55	72.32	9.50
9/22/2023	1	82.67	85.47	77.50	9.37
9/22/2023	2	77.38	84.13	77.16	9.33
9/22/2023	3	74.89	83.65	77.02	9.27
9/22/2023	4	74.04	83.97	76.24	9.38
9/22/2023	5	76.94	85.90	78.17	10.11
9/22/2023	6	85.68	90.64	85.84	12.38
9/22/2023	7	93.00	96.67	90.51	15.23
9/22/2023	8	91.95	101.67	93.24	17.26
9/22/2023	9	94.44	108.74	94.64	18.89
9/22/2023	10	98.88	114.75	97.74	19.79
9/22/2023	11	105.37	119.68	98.08	20.51
9/22/2023	12	113.94	122.45	97.31	20.78
9/22/2023	13	121.36	124.08	98.61	20.76
9/22/2023	14	128.97	125.08	95.92	20.32
9/22/2023	15	138.99	125.70	93.99	19.40
9/22/2023	16	150.26	124.67	89.52	17.60
9/22/2023	17	159.04	120.61	87.26	16.27
9/22/2023	18	158.66	116.00	82.76	14.62
9/22/2023	19	148.97	110.34	75.13	13.82
9/22/2023	20	143.53	106.52	68.12	13.55
9/22/2023	21	136.17	101.79	63.18	12.86
9/22/2023	22	126.81	96.85	61.58	11.29
9/22/2023	23	113.53	92.05	57.47	10.16
9/22/2023	24	96.73	86.82	53.88	9.49
9/23/2023	1	88.67	85.43	54.74	9.44
9/23/2023	2	81.35	83.52	56.16	9.22
9/23/2023	3	77.07	82.37	55.82	9.38
9/23/2023	4	74.21	82.21	55.97	9.24
9/23/2023	5	74.13	82.93	56.64	9.35
9/23/2023	6	76.54	84.55	57.49	9.56

9/23/2023	7	83.35	86.97	58.91	9.75
9/23/2023	8	94.02	89.36	60.32	9.78
9/23/2023	9	103.11	93.90	61.35	10.24
9/23/2023	10	109.50	98.73	61.69	10.78
9/23/2023	11	115.22	103.21	61.77	11.04
9/23/2023	12	121.13	105.03	60.79	11.36
9/23/2023	13	125.85	106.72	60.89	11.48
9/23/2023	14	130.68	107.39	61.21	11.55
9/23/2023	15	135.86	108.03	59.90	11.60
9/23/2023	16	140.73	107.94	59.02	11.65
9/23/2023	17	144.65	106.62	57.81	11.40
9/23/2023	18	143.24	105.13	55.84	10.93
9/23/2023	19	135.35	100.82	54.29	10.75
9/23/2023	20	129.86	97.98	51.73	10.76
9/23/2023	21	123.24	94.32	54.02	10.29
9/23/2023	22	112.10	90.79	52.69	9.60
9/23/2023	23	101.21	86.71	50.50	9.28
9/23/2023	24	88.42	83.35	52.96	9.27
9/24/2023	1	80.41	81.60	49.29	9.11
9/24/2023	2	74.77	80.11	49.31	8.87
9/24/2023	3	71.49	79.61	48.74	8.91
9/24/2023	4	69.99	79.52	48.42	8.89
9/24/2023	5	70.30	80.00	49.39	8.99
9/24/2023	6	72.73	81.15	49.66	9.26
9/24/2023	7	79.37	82.55	51.14	9.41
9/24/2023	8	91.57	83.74	51.99	9.18
9/24/2023	9	102.69	89.42	52.72	9.34
9/24/2023	10	108.98	94.36	53.96	9.94
9/24/2023	11	112.67	98.22	54.77	10.18
9/24/2023	12	117.47	100.59	55.08	10.57
9/24/2023	13	122.30	102.53	55.22	10.67
9/24/2023	14	127.95	104.12	55.56	10.63
9/24/2023	15	133.48	105.12	55.41	10.66
9/24/2023	16	138.35	103.83	54.90	10.71
9/24/2023	17	143.02	101.81	54.47	10.85
9/24/2023	18	144.38	99.71	53.36	10.49
9/24/2023	19	143.36	96.30	56.71	10.64
9/24/2023	20	143.58	94.30	54.77	10.66
9/24/2023	21	132.64	91.64	59.90	10.44
9/24/2023	22	116.35	88.05	63.32	10.01
9/24/2023	23	99.35	85.38	63.60	9.55
9/24/2023	24	85.85	84.29	68.16	9.30
9/25/2023	1	78.05	82.51	64.89	9.02
9/25/2023	2	73.49	81.40	66.66	9.10
9/25/2023	3	71.39	81.34	67.61	9.12
9/25/2023	4	71.52	81.91	68.09	9.50
9/25/2023	5	75.22	83.93	73.62	10.25
9/25/2023	6	84.35	88.79	81.49	12.30
9/25/2023	7	91.53	94.04	87.94	14.81
9/25/2023	8	88.76	98.74	91.49	16.59
9/25/2023	9	89.76	105.05	94.68	18.08
9/25/2023	10	92.76	110.22	97.81	19.52

9/25/2023	11	95.78	113.59	98.15	19.78
9/25/2023	12	99.13	115.13	99.50	20.08
9/25/2023	13	101.34	116.34	101.00	19.95
9/25/2023	14	104.49	117.73	96.72	19.82
9/25/2023	15	109.88	118.21	89.35	18.69
9/25/2023	16	119.04	115.45	87.74	16.77
9/25/2023	17	130.01	110.58	82.39	15.26
9/25/2023	18	134.27	105.32	78.55	14.14
9/25/2023	19	133.81	102.38	76.17	13.49
9/25/2023	20	135.26	99.34	80.56	13.40
9/25/2023	21	127.13	94.59	78.39	12.22
9/25/2023	22	112.53	91.28	78.97	10.67
9/25/2023	23	97.14	88.22	76.45	9.87
9/25/2023	24	84.87	84.80	75.15	9.44
9/26/2023	1	77.95	84.19	74.88	9.32
9/26/2023	2	73.90	83.37	73.31	9.44
9/26/2023	3	72.05	82.96	73.17	9.46
9/26/2023	4	72.13	83.64	71.56	9.66
9/26/2023	5	75.59	85.80	72.54	10.46
9/26/2023	6	84.05	90.97	81.06	12.73
9/26/2023	7	89.80	96.49	87.20	15.40
9/26/2023	8	88.51	102.93	90.98	17.83
9/26/2023	9	88.26	107.62	94.48	19.10
9/26/2023	10	90.56	112.20	94.74	20.39
9/26/2023	11	94.05	113.88	96.68	20.59
9/26/2023	12	98.15	112.03	95.65	20.70
9/26/2023	13	100.43	113.61	97.36	20.43
9/26/2023	14	99.80	112.73	96.37	19.83
9/26/2023	15	102.16	110.44	91.25	18.37
9/26/2023	16	108.09	102.88	83.74	16.24
9/26/2023	17	119.04	96.98	77.98	14.74
9/26/2023	18	126.01	98.48	76.97	13.78
9/26/2023	19	125.37	95.87	75.34	13.14
9/26/2023	20	126.95	93.44	75.19	12.87
9/26/2023	21	120.38	89.82	72.44	11.92
9/26/2023	22	107.75	86.44	77.81	10.59
9/26/2023	23	94.27	83.68	78.04	9.71
9/26/2023	24	82.96	81.74	76.40	9.35
9/27/2023	1	76.97	80.56	73.98	9.16
9/27/2023	2	73.27	79.47	72.79	9.15
9/27/2023	3	71.64	79.20	71.25	9.30
9/27/2023	4	71.99	79.95	72.09	9.58
9/27/2023	5	75.64	82.44	76.77	10.35
9/27/2023	6	84.52	87.80	83.67	12.74
9/27/2023	7	91.81	94.45	90.92	15.33
9/27/2023	8	89.93	99.81	94.07	17.41
9/27/2023	9	89.35	103.63	93.95	18.28
9/27/2023	10	89.90	106.11	95.58	18.64
9/27/2023	11	90.54	108.02	96.12	18.67
9/27/2023	12	92.52	108.06	94.63	18.66
9/27/2023	13	92.69	108.57	96.17	18.56
9/27/2023	14	92.25	108.46	93.91	18.36

9/27/2023	15	94.24	107.67	92.00	17.26
9/27/2023	16	100.80	105.52	86.41	16.04
9/27/2023	17	109.39	100.94	82.42	14.65
9/27/2023	18	115.92	97.25	80.68	13.82
9/27/2023	19	118.63	96.38	77.94	13.36
9/27/2023	20	121.73	94.32	77.22	12.67
9/27/2023	21	116.22	89.72	77.66	11.58
9/27/2023	22	104.80	84.65	78.46	10.48
9/27/2023	23	92.19	83.86	77.45	9.78
9/27/2023	24	82.11	81.94	75.25	9.27
9/28/2023	1	75.41	80.53	73.72	9.16
9/28/2023	2	71.69	79.79	72.69	9.11
9/28/2023	3	70.34	79.56	74.29	9.15
9/28/2023	4	70.58	80.42	75.98	9.40
9/28/2023	5	74.28	83.08	76.23	10.08
9/28/2023	6	84.11	87.83	81.83	12.25
9/28/2023	7	91.32	94.49	87.84	15.15
9/28/2023	8	88.27	100.12	91.32	17.30
9/28/2023	9	88.14	104.00	93.16	18.22
9/28/2023	10	88.24	106.72	93.41	18.78
9/28/2023	11	89.30	108.31	93.60	18.67
9/28/2023	12	90.61	108.54	91.66	18.65
9/28/2023	13	89.99	109.44	91.96	18.81
9/28/2023	14	89.52	109.52	90.45	18.37
9/28/2023	15	91.54	108.34	88.35	17.17
9/28/2023	16	97.80	106.51	82.59	15.44
9/28/2023	17	106.41	101.95	78.66	14.49
9/28/2023	18	112.89	98.71	77.49	13.72
9/28/2023	19	116.49	96.94	78.73	13.31
9/28/2023	20	119.69	94.89	78.38	12.99
9/28/2023	21	115.45	90.81	77.03	11.72
9/28/2023	22	105.49	87.12	78.19	10.35
9/28/2023	23	92.79	84.52	75.28	9.46
9/28/2023	24	83.24	81.86	67.09	9.07
9/29/2023	1	75.78	80.72	71.50	8.90
9/29/2023	2	72.10	79.83	72.56	8.91
9/29/2023	3	70.20	79.73	72.00	9.16
9/29/2023	4	70.29	80.43	71.99	9.27
9/29/2023	5	73.55	82.75	75.15	9.90
9/29/2023	6	82.96	87.38	80.27	12.00
9/29/2023	7	90.67	93.74	86.09	14.84
9/29/2023	8	89.51	99.28	88.55	16.77
9/29/2023	9	90.42	103.27	86.99	17.47
9/29/2023	10	91.37	106.53	84.50	18.15
9/29/2023	11	93.19	109.27	90.51	18.44
9/29/2023	12	96.32	110.70	89.83	18.54
9/29/2023	13	96.80	111.14	89.27	18.36
9/29/2023	14	96.87	110.60	86.51	18.07
9/29/2023	15	98.85	109.68	82.60	16.80
9/29/2023	16	104.44	107.62	78.87	15.32
9/29/2023	17	110.64	104.19	76.18	14.00
9/29/2023	18	113.45	100.79	74.20	12.94

9/29/2023	19	112.50	98.23	64.41	12.72
9/29/2023	20	114.00	96.44	60.06	12.82
9/29/2023	21	110.81	92.75	59.19	12.15
9/29/2023	22	105.04	87.83	56.31	10.59
9/29/2023	23	94.93	83.78	51.68	9.34
9/29/2023	24	86.68	81.43	49.17	9.02
9/30/2023	1	77.31	79.18	49.79	8.82
9/30/2023	2	72.65	78.13	49.23	8.71
9/30/2023	3	69.97	77.80	48.79	8.80
9/30/2023	4	68.85	77.96	48.42	8.79
9/30/2023	5	69.70	79.19	48.40	8.92
9/30/2023	6	73.12	81.46	49.74	9.32
9/30/2023	7	80.31	84.26	49.60	9.61
9/30/2023	8	91.69	86.70	51.36	9.51
9/30/2023	9	100.13	91.09	52.61	10.00
9/30/2023	10	104.97	96.41	53.26	10.72
9/30/2023	11	108.41	100.77	53.67	10.99
9/30/2023	12	112.11	102.88	53.27	11.11
9/30/2023	13	115.88	104.53	53.05	11.32
9/30/2023	14	121.21	106.04	53.01	11.22
9/30/2023	15	127.59	106.96	52.34	11.26
9/30/2023	16	134.61	107.30	51.30	11.36
9/30/2023	17	140.49	107.30	51.04	11.23
9/30/2023	18	141.29	104.72	48.34	10.98
9/30/2023	19	135.79	101.53	48.12	10.84
9/30/2023	20	132.97	98.10	47.38	11.20
9/30/2023	21	125.33	94.43	46.91	10.69
9/30/2023	22	114.90	90.22	46.17	9.84
9/30/2023	23	103.80	86.16	45.91	9.49
9/30/2023	24	91.87	82.83	48.91	9.20

JASON W. HOYLE

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EDUCATION

Master of Business Administration, August 2003
Appalachian State University, Boone, North Carolina

Bachelor of Science in Mass Communications, May 2001
Concentration: Print Journalism
Appalachian State University, Boone, North Carolina

EXPERIENCE

Principal Energy Policy Analyst March 2022 – Present
EQ Research, LLC | Cary, North Carolina

- Lead consulting engagements for clean and distributed energy sector clients, including writing reports, conducting research and analysis on state energy policy and market issues, and supporting regulatory and legislative advocacy.
- Manage EQ Research's services tracking U.S. electric utility rate cases, including reviewing and analyzing electric rate cases and managing subscriber-facing database.
- Research, track, and summarize state-, regional-, and national-level regulatory and legislative energy policy developments for EQ Research's policy tracking services.
- Coordinate EQ Research's regulatory and compliance consulting services for Community Choice Aggregation programs in California, including regulatory monitoring and analysis, compliance reporting, litigation support, and resource procurement planning.

Instructor August 2012 – December 2021
Department of Sustainable Technology and the Built Environment, Appalachian State University | Boone, North Carolina

- Developed undergraduate- and graduate-level course curriculum in the sustainable technology program focused on the policy, market, and economic context for the development of energy projects. Specific course topics included regulatory oversight roles, energy and related environmental attribute markets, power purchase agreements, tax-based and other incentives, and implications of emerging technologies and business models in power markets.

Senior Research Associate January 2020 – January 2021
Research Associate January 2010 – January 2020
Center for Economic Research & Policy Analysis, Appalachian State University | Boone, North Carolina

- Led development and implementation of research proposals on topics of electricity and emissions markets and regulation, ecosystem valuation, and economic development.
- Oversaw and supervised collection and analysis of energy and economic data for research projects, reports to legislative commissions and committees, and expert witness testimony.
- Managed development and implementation of process for obtaining customer consent and anonymization of electric utility customer data in partnership with electric utilities for energy-related behavioral economics experiments.

Research Analyst August 2005 – January 2020
Research Associate August 2003 – August 2005

Appalachian Energy Center, Appalachian State University | Boone, North Carolina

- Managed development and implementation of research and program initiatives on state- and national-level energy policy and regulations, including renewable energy incentives, retail rate design and analysis, wholesale electricity markets, greenhouse gas emission and carbon offset markets, sustainability accounting, and greenhouse gas inventories.
- Oversaw and led consultation services for clients from government, industry, academia, and non-profit sectors on energy- and greenhouse gas-related policies, including due diligence, legal and regulatory analysis, pro forma financial and valuation analysis, and negotiated PPA contracts and contracts for the sale of both carbon offsets and renewable energy certificates.
- Developed curriculum for and taught professional continuing education courses on renewable energy policy, finance, and regulation offering AIA Learning Units (LU), engineering Professional Development Hours (PDH), CPA (CPE) credits, Continuing Legal Education (CLE) credits, SWANA Continuing Education Units (CEU), and Continuing Forestry Education (CFE) credits.

SELECTED SERVICE & AFFILIATIONS

Scientific Peer Reviewer, Landfill Gas Destruction and Beneficial Use Projects v2.0, American Carbon Registry (2020-2021)

- Reviewed proposed methodology update to landfill gas project protocol (Landfill Gas Destruction and Beneficial Use Projects v2.0) for adherence to commonly accepted carbon offset principles.
- Provided comments and feedback to maximize practical usefulness and conformance with carbon accounting principles of proposed methodology update.

Workgroup Member, Landfill Project Protocol Version 5.0, Climate Action Reserve (2018-2019)

- Reviewed and advised Climate Action Reserve on proposed changes to U.S. Landfill Project Protocol Version 5.0.
- Provided information and guidance on economic, financial, and market factors used in establishing the protocol's Performance Standard Analysis (i.e. basis for differentiating between common practice and eligible project activities).

Graduate Faculty, Department of Sustainable Technology and the Built Environment, Appalachian State University (2014 – Dec. 2021)

Graduate and Honors Thesis Committees, Department of Sustainable Technology and the Built Environment, Appalachian State University (2015 - 2019)

Advisory Council, International Hydrail Conference (since 2005)

- Coordinated with conference hosts (from North America, Europe, and Asia) on conference planning, logistics, and promotion.
- Reviewed proposed presentation and provided recommendations on conference agenda and proposal acceptance.
- Compiled data and information on worldwide development and deployment of hydrogen-based rail technology, and advised government, industry, and academia on technology, policy, and deployment topics related to hydrogen trains and the broader hydrogen economy.

Advisory Board, N.C. Farm Center for Innovation and Sustainability (2009-2014)

- Advised on program development and greenhouse gas offset project opportunities (specifically carbon offsets from forestry and biochar).

- Prepared market analysis of biochar products and carbon offsets from biochar.
- Conducted operations analysis of mobile biochar production technology with focus on labor cost function and maximizing equipment capacity utilization.

Advisory Board, Western N.C. Clean Energy Leadership Group (2009-2012)

Advisory Board, N.C. Green Business Fund (2007-2009)

- Advised on design and review of Request for Proposals for new state investment fund focused on supporting development of businesses engaged in sustainable technology.
- Evaluated proposals for funding and presented evaluation to grantmaking committee.
- Participated as member of the grantmaking committee to prioritize grant proposals and select proposals for funding.

SELECTED PUBLICATIONS & PRESENTATIONS

Books, Articles & Reports

"Measuring the Economic Impact of COVID-19-Related Business Interruptions on the Regional Economy" (with O. Ashton Morgan) *N.C. Policy Collaboratory*. Report. December 2020. Chapel Hill, N.C.

"Trash to Treasure: Predicting Landfill Gas Flow to Optimize Electricity Generation." (with Dan Emery, Edgar Hassler, Joseph Cazier) *JISAR*, *13*(3), 29. (2020)

"Optimizing sequestered carbon in forest offset programs: balancing accounting stringency and participation." (with Wise, L., Marland, E., Marland, G., Kowalczyk, T., Ruseva, T., Colby, J. & Kinlaw, T.) *Carbon balance and management*, *14*(1), 1-11. (2019)

"Trash to Treasure: Predicting Landfill Gas Flow to Optimize Electricity Generation" (with Dan Emery, Edgar Hassler, Joseph Cazier) *Conference on Information Systems Applied Research*. Conference Paper. Nov. 6-9, 2019. Cleveland, Ohio.

"Small-Scale Landfill Gas Offset Protocol" (with S. Steury and J. Dees) Appalachian State University. 2017.

Understanding and Analysis: The California Air Resources Board Forest Offset Protocol. (with Eric Marland, Grant Domke, Gregg Marland, Laurel Bates, Alex Helms, Benjamin Jones, Tamara Kowalczyk, Tatyana B Ruseva, Celina Szymanski) Springer Briefs in Environmental Science, 2017.

"Accounting for harvested wood products in a forest offset program: Lessons from California" (with L. Bates, B. Jones, E. Marland, G. Marland, T. Ruseva, and T. Kowalczyk) *Journal of Forest Economics* 27 (2017): 50-59.

"Additionality and permanence standards in California's Forest Offset Protocol: A review of project and program level implications" (with T. Ruseva, E. Marland, C. Szymanski, J. Hoyle, G. Marland, T. Kowalczyk) *Journal of Environmental Management* 198 (2017): 277-288.

"UNC Wilmington Greenhouse Gas Inventory and Sustainability Action Plan" (with D. Ponder, A. Toneys and J. Mosteller) report to UNC-Wilmington. August 2014.

"Summary of Avoided Cost Rates & N.C. Utility Commission Proceedings Update" report to Appalachian Institute for Renewable Energy, Doc. No. 12-0194_006. July 2013.

"Value from Solid Waste Management" report to Board of Commissioners, Rockingham County, NC. March 2013.

"Performance-based potential for residential energy efficiency" *CICERO Report*. January 2013.

"Behind-the-Meter Sale of Unbundled RECs" report to Appalachian Institute for Renewable Energy, Doc. No. 12-0194_002. May 2012.

"Energy Internships in North Carolina: An Evaluation of Experiences and Indicators for the Future" (with M. Hoepful and L. Murphy) report to State Energy Office, N.C. Department of Commerce. April 2012.

"Electricity Sales & Generating Facility Leases in North Carolina" report to Appalachian Institute for Renewable Energy, Doc. No. 12-0194_001. February 2012.

"Standard Purchase Offers for Power & Environmental Assets in North Carolina" Appalachian Energy Center Report. October 2011.

"Comments on Proposed Changes to the Climate Action Reserve Landfill Project Protocol" submitted to Climate Action Reserve. June 2011.

"Monetizing Green Assets & Incentives: Watauga County, NC" report to Board of Commissioners, Watauga County, NC. January 2011.

"Electricity Service Options at the Watauga County Landfill" report to Board of Commissioners, Watauga County, NC. August 2010.

"Retail Carbon Offset Survey 2009" (with J. Little, T. Cherry, H. Whalan and D. Six) report to Environmental Credit Corporation. May 2010.

"Expectations in an Uncertain Economy" (with T. Cherry and B. Toney) Center for Economic Research and Policy Analysis Research Report, March 2010.

"Landfill Gas Project Financial Analysis: Edgecombe County" report to Board of Commissioners, Edgecombe County, NC. March 2010.

"Landfill Gas Financial Analysis: Rutherford County" report to Board of Commissioners, Rutherford County, NC. March 2010.

Secondary Economic Impact Analysis of Greenhouse Gas Mitigation Options for North Carolina. (with D. Ponder and J. Tiller) report to North Carolina Climate Action Plan Advisory Group. Center for Climate Strategies. October 2008.

"Aspects of Energy Use and Capacity in North Carolina" (with D. Grady). *Popular Government*. Vol. 73, No. 3, pp. 5,6,10-11,22-23. 29-30. Spring Summer 2008.

Presentations

"Community engagement strategies for capturing co-benefits from offset projects" Achieving Corporate Climate Ambitions with Carbon Offsets, Climate Action Reserve Webinar. 8 November 2018.

"Accounting for negative CO2 emissions" (with Marland, E., Marland, G., Kowalczyk, T., Ruseva, T., and Wise, L.). International Conference on Negative CO2 Emissions, Gothenburg, Sweden 22-24 May, 2018.

"Negative Electricity Prices" RECONNECT 2017. Department of Mathematics, Appalachian State University, Boone, NC. June 2017.

"Third Party Ownership Structures and Net Metering Considerations" North Carolina State Energy Conference. NC State University, Raleigh, NC. 20-21 April 2016.

"Investigating the Economic Viability of a Solid Waste-To-Biofuel Facility in Western North Carolina" (with G. Rockwell, L. Preston, C. North, J. Ferrell, J. Ramsdell, A. Morgan and M. McKee) Invited Lecture and Poster Presentation, NC Department of Agriculture Bioenergy Field Day, Mills River, N.C. 27 August 2015.

"Renewable Energy & Energy Efficiency in Commercial Construction" Construction Professionals Network of North Carolina, Mid-Year Educational Conference. Greensboro Marriott Downtown Hotel, Greensboro, NC. 3 Oct. 2014. Invited Presentation. (offering CEU credits)

"Energy, Economy and Environmental Policy: Balancing Need and Constraint" UNC-Charlotte Lecture Series. University of North Carolina at Charlotte, Department of Civil Engineering, Charlotte, NC. 10 Sep. 2014. Invited lecture.

"Negative Marginal Cost Electricity: An opportunity for low-cost value-added hydrogen production" 8th International Hydrail Conference, Ryerson University, Toronto, Canada. June 2013.

"Watauga County, NC: 195 kW or Bust" 16th Annual Landfill Methane Outreach Program, U.S. Environmental Protection Agency. Baltimore, MD, USA. January 2013.

"Economic Valuation Methods for Public Investment in Hydrail" 7th International Hydrail Conference, University of Birmingham, Birmingham, U.K. July 2012.

"State Energy Internship Program Evaluation" (with M. Hoepful) 9th Annual Sustainable Energy Conference, State Energy Office, N.C. Department of Commerce. Raleigh, NC, USA. April 2012.

"Facilitating Statewide Community-Based LFG: 6 years, 14 counties, and 10 projects" 15th Annual Landfill Methane Outreach Program Conference, U.S. Environmental Protection Agency. Baltimore, MD, USA. January 2012.

"The Value of Hydrail" 6th International Hydrail Conference, Istanbul, Turkey. July 2010.

"Carbon Credit Purchasing in the Local Decision Context" 13th Annual Landfill Methane Outreach Program Conference, U.S. Environmental Protection Agency. Baltimore, MD, USA. January 2010.

"North Carolina Economic and Energy Outlook for Local Governance" (with T. Cherry) presentation to NCAPA Summer Planning Institute. May 2009.

"New Renewable Energy Markets for North Carolina Companies" 6th Annual North Carolina Sustainable Energy Conference, State Energy Office, N.C. Department of Commerce. Raleigh, NC, USA. April 2009.

"Competitive Insight into the Energy Economy: Charlotte Region" invited lecture at Central Piedmont Community College, Charlotte, NC. November 2008.

"Accelerating Development of the Renewable Energy Economy" Workforce Partnership Conference, N.C. Department of Commerce. Greensboro, NC, USA. October 2008.

"Market Adoption Factors of Hydrail Technology" 4th International Hydrail Conference, Valencia, Spain. June 2008.

"Economic Development from Landfill Gas: Carbon Credits Facilitate Job Creation" 11th Annual Landfill Methane Outreach Program Conference, U.S. Environmental Protection Agency. Baltimore, MD, USA. January 2008.

"Utilization of Rockingham County Landfill Energy Source" (with D. Grady) presentation to Board of Commissioners, Rockingham County, NC. August 2007.

"Landfill Gas Taskforce Update" presentation to Board of Commissioners, Columbus County, NC. May 2007.

"North Carolina Opportunities in Renewable Energy Manufacturing" presentation series to AdvantageWest, Research Triangle, NC Southeast, NC Northeast, and Charlotte Economic Development Partnerships. 2005.

SELECTED GRANT & CONTRACT AWARDS

"Measuring the Economic Impact of COVID-19 on the Regional Economy" N.C. Policy Collaboratory. $97,850. 2020 (Co-PI)

"Exploring the Viability of Small-Scale Forest Carbon Offsets" UNC General Administration Inter-Institutional Planning Grant. $75,000. 2018 (Co-PI)

"The OFFSET Workshop: Offsets for Future Forest Stewardship & Education Together" The Clabough Foundation. $6,610. 2017 (Investigator)

"Curriculum Development Contract TEC 3533/5533" College of Fine & Applied Arts, Appalachian State University. $3,200. 2017 (PI)

"Biogas as Local Economic Engine and Agent for Social Change" Eastern Research Group. $20,154. 2017 (Investigator)

"North Carolina Integrated Electric Utility Research Laboratory" (with J. Ramsdell, T. Cherry, B. Raichle, E. Miller and D. Young) UNC General Administration Research Opportunities Initiative Planning Grant. $48,307. 2016 (Co-PI)

"Appalachian Energy Center State Appropriation - FY16 and FY17" NC Department of Environmental Quality. $337,953. 2016 (Investigator)

"Examining metrics in compliance carbon offset protocols in U.S. forest projects" USDA NRE US Forest Service. $20,000. 2015 (Investigator)

"Subcontract for UNCW Greenhouse Gas Inventory" Good Company (Hinrichs, Proudfoot, and Skov, Inc). $5,928. 2014 (PI)

"Examining metrics in compliance carbon offset protocols in U.S. forest projects" USDA NRE US Forest Service. $40,000. 2014 (Investigator)

"Appalachian Energy Center - North Carolina University Energy Center Program July 1, 2013 through June 30, 2015" N.C. Department of Environment and Natural Resources. $506,930. 2014 (Investigator)

"Investigating the Economic Viability of a Municipal Solid Waste-to-Biofuels Facility in WNC" (with J. Ramsdell, A. Morgan, J. Ferrell and M. McKee) Biofuels Center of North Carolina/N.C. Department of Agriculture and Consumer Services. $65,722. 2013 (PI)

"Research Assistance to AIRE" Appalachian Institute for Renewable Energy. $24,975. 2012 (PI)

"Energy Savings: Environmental Performance Contracting in the United States" (with T. Cherry) Center for International Climate and Environmental Research - Oslo (CICERO). $2,650. 2012 (Co-PI)

"Renewable Energy Manufacturing Supply Chain Workshops" Advantage West. $4,000. 2012 (PI)

"ARRA - Edgecombe County Landfill Gas Assistance" Edgecombe County. $10,000. 2012 (PI)

"ARRA - Rockingham County Landfill Gas Project" Rockingham County. $10,000. 2011 (PI)

"Foothills Landfill Gas Project-Rutherford" Foothills Connect. $11,000. 2011 (PI)

"ARRA Wilkes County Landfill" Wilkes County. $7,000. 2011 (Investigator)

"Community-based Landfill Gas Utilization in Brazil - Phase II and Extension" US Environmental Protection Agency. $120,000. 2011 (Investigator)

"Landfill Gas for Community Development-Construction Phase" Z. Smith Reynolds Foundation. $25,000. 2011 (Investigator)

"Landfill Gas Utilization for Columbus County" Cape Fear RC&D Council. $6,000. 2011 (Investigator)

"Appalachian Energy Internship Program" (with M. Hoepfl, J. Cazier, J. Ramsdell, D. Scanlin and J. Tiller), NC Department of Administration, State Energy Office. $10,080. 2010 (Co-PI)

"Watauga County Energy Project Analysis" Watauga County. $1,975. 2010 (Lead PI)

"Appalachian Energy Internship Program" (with M. Hoepfl, J. Cazier, J. Ramsdell, D. Scanlin and J. Tiller), NC Department of Administration, State Energy Office. $485,857. 2010 (Co-PI)

"Green Economic Asset Mapping" Z. Smith Reynolds Foundation. $34,602. 2010 (Lead PI)

"Community-based Landfill Gas Utilization in Brazil - Phase I" US Environmental Protection Agency. $120,000. 2009 (Investigator)

"Community TIES Landfill Gas Development Phase III" Z. Smith Reynolds Foundation. $55,000. 2008 (Investigator)

"Community-based LFG Development Phase II" Golden LEAF Foundation. $125,000. 2007 (Investigator)

"Rural Landfill Gas Economic Development Demonstration Project" Golden LEAF Foundation. $97,360. 2006 (Investigator)

"Phase III Implementation of the State Energy Plan" NC State Energy Office. $466,765. 2006 (Investigator)

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

*****

In the matter of the application of the application of **INDIANA MICHIGAN POWER COMPANY** for authority to increase its rates for the generation and distribution of electricity and for other related matters.	))))))	**Case No. U-21461**

PROOF OF SERVICE

STATE OF SOUTH CAROLINA)
) ss.
COUNTY OF BERKELEY)

Summer R. Dukes, the undersigned, being first duly sworn, deposes and says that she is a Paralegal at Potomac Law Group PLLC and that on the 18th day of January, 2024 she served the Direct Testimony and Exhibits of Jason W. Hoyle on behalf of The Michigan Energy Innovation Business Council, Institute for Energy Innovation, and Advanced Energy United, via email, upon those individuals listed on the attached Service List.

Summer Dukes Digitally signed by Summer Dukes
Date: 2024.01.18 14:59:24 -05'00'

Summer R. Dukes

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