



July 25, 2024

Ms. Lisa Felice
Michigan Public Service Commission
7109 W. Saginaw Hwy.
Lansing, MI 48909

Via E-File

RE: MPSC Case No. U-21534

Dear Ms. Felice:

Attached please find the enclosed documents for filing:

- Direct Testimony and Exhibits of Joshua W. Denzler on behalf of Citizens Utility Board of Michigan, Michigan Environmental Council, and Natural Resources Defense Council (Exhibits CUB-11 through CUB-16); and
- Proof of Service.

Please note that there is a Confidential and Public Version of Mr. Denzler's testimony; the confidential version will only be served on those with a Nondisclosure Certificate on file in this case. Thank you for your assistance in this matter. If you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "TJA", followed by a horizontal line.

Digitally signed by Tracy Jane Andrews
DN: cn=Tracy Jane Andrews,
o=Troposphere Legal, PLC,
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CC: Parties to Case No. U-21534

STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the application of **DTE
ELECTRIC COMPANY** for authority to
increase its rates, amend its rate schedules
and rules governing the distribution and
supply of electric energy, and for
miscellaneous accounting authority.

U-21534

PUBLIC VERSION

DIRECT TESTIMONY OF JOSHUA W. DENZLER

ON BEHALF OF

**CITIZENS UTILITY BOARD OF MICHIGAN,
MICHIGAN ENVIRONMENTAL COUNCIL,
AND NATURAL RESOURCES DEFENSE COUNCIL**

July 25, 2024

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**DIRECT TESTIMONY OF JOSHUA DENZLER FOR CUB, MEC & NRDC
CASE NO. U-21534**

I. INTRODUCTION & QUALIFICATIONS

Q. Please state for the record your name, position, and business address.

A. My name is Joshua W. Denzler. I am a Consultant at 5 Lakes Energy, a Michigan limited liability corporation, located at Suite 218, 220 MAC Avenue, East Lansing, Michigan 48823.

Q. On whose behalf is this testimony being offered?

A. I am testifying on behalf of Citizens Utility Board of Michigan (CUB), Michigan Environmental Council (MEC), Natural Resources Defense Council (NRDC).

Q. Please summarize your experience in the field of utility regulation.

A. My work experience is summarized in my resume, provided as Exhibit CUB-11. I have been in the utility industry since the summer of 2014, where I started my career at DTE Energy as a Summer Student (intern) working in continuous improvement for DTE Gas. After completing a second summer internship on the same team in the summer of 2015, I became a student co-op in Gas Construction and Planning.

I began my full-time career in 2017 when I became an Apprentice Planner in Electric Distribution Operations New Business Service Planning. In 2019, I became a Strategist in the Regional Customer Operations division of Electric Distribution Operations. I was promoted to Senior Strategist in this same organization in 2021. In late 2022, I became a Senior Strategist in Corporate Strategy supporting the Next Generation Utility effort before departing the company in early 2023. From that time until May 2024, I was employed by E Source Companies, LLC, as a Director of Sales Innovation responsible for marketing

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advanced data science tools within the utility industry. I have been employed by 5 Lakes Energy since May 2024.

Q. Have you testified before this Commission or as an expert in any other proceeding?

A. I have not previously testified before the Michigan Public Service Commission or in any other similar proceeding.

Q. What is the purpose of your testimony?

A. I am testifying on behalf of MNSC regarding the following topics:

1. The proposed Storm Recovery Cost Sharing Mechanism;
2. The Company's vegetation management risk prioritization model;
3. The proposed changes to Contribution in Aid of Construction (CIAC);
4. The Company's staffing baseline assumptions, particularly after their Voluntary Separation Incentive Package; and
5. The impact of MSNC Witness Jester's recommended Production Coincident Peak allocators on the Unbundled Cost of Service (UCOS).

Q. Are you sponsoring any exhibits?

A. Yes, I am sponsoring the following exhibits:

Exhibit CUB-11: Resume of Joshua W Denzler

Exhibit CUB-12: Case No. U-12270, June 14, 2024, DTE Electric Annual Report.

Exhibit CUB-13: Discovery Response MNSCDE-13.27

Exhibit CUB-14: Discovery Response MNSCDE-13.2b + *Confidential attachment*

NDA_U-21534 MNSCDE-13.2b Preliminary Estimated Net VSIP

O&M Savings

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Exhibit CUB-15: Allocation Tab from Workpapers JWD-WP4C and JWD-WP4D

Exhibit CUB-16: Analysis Tab from Workpaper JWD-WP4E

II. REQUESTED STORM RESTORATION COST SHARING MECHANISM

Q. Please summarize the Company's proposal for a Storm Restoration Cost Sharing Mechanism (SRCSM).

A. The Company is proposing that the current methodology for calculating projected storm restoration O&M costs remain consistent. However, the Company is proposing that, at the end of each year, the differences in actual incurred Storm costs versus projected costs, whether over or under the projection, would be split 50/50 between the Company and customers via regulatory asset or liability.¹

Q. Is the Company's proposed SRCSM good for customers?

A. In general, no it is not. The proposal is likely to unduly skew the cost of Storms against customers and in favor to the Company and its shareholders. There are two main drivers of this imbalance inherent to the Company's proposal:

1. It skews the share of risk significantly in favor of the Company, at the expense of ratepayers.
2. It creates a strong misalignment of incentives, when the Company's historical storm performance is already very poor.

¹ Revised Direct Testimony of Witness Foley, p. NTF-68.

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1 **Q. How does the Company’s proposed SCRSM create an imbalance of risk for**
2 **customers?**

3 **A.** The Company’s proposal would reduce far more risk for the Company than it would for
4 customers. If the increased storm severity projected by the Company are realized, it is much
5 more likely for costs to exceed projections than to be under projections. This means that
6 cost collections from customers will be more likely than refunds to customers, resulting in
7 a greater risk reduction for the Company than for customers.

8 **Q. How has the Company’s storm performance been in recent years?**

9 **A.** The Company’s overall storm performance can only be described as poor. Some of the
10 most telling evidence of this comes from their SAIDI and SAIFI performance both in all-
11 weather and excluding-Major Event Days (MED) conditions. The Company’s all-weather
12 SAIDI performance has been in the bottom quartile every year between 2017 and 2022,
13 except for 2020. SAIDI Excluding MEDs has been mildly better comparatively, with 2020-
14 2022 in third quartile while 2017-2019 is still in fourth quartile. A similar trend can be seen
15 in the Company’s SAIFI performance, where the Company generally ranks in lower
16 quartiles for all-weather SAIFI as opposed to excluding-MED conditions.² For the
17 Company’s customers, this means that, while their overall reliability performance is rather
18 poor when compared to other utilities, the Company’s Storm performance is exceptionally
19 poor in comparison to other utilities.

20 Further evidence to support the Company’s poor Storm performance is found in the MPSC
21 Service Quality and Reliability Standards for Electric Utilities Report Rule 460.731 for

² Direct Testimony of Kryscynski, pp. AJK-19-21, Figures 2-5.

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1 2023.³ This report shows that Company Storm response did not comply with the MPSC
2 Annual Performance standards for Outage Restoration in All Conditions, Gray-Sky
3 Conditions, and Catastrophic Conditions, among others.

4 As evidenced by both of these data sets, despite millions of dollars of investment, the
5 Company's customers are receiving unduly long and more frequent outages during Storm
6 events.

7 In addition to the Company's woeful underperformance in restoring Storm outages, their
8 performance in communicating accurate restoration is also lacking. The Company stated
9 that from 2018-2022, they did not even measure estimate accuracy outside of Blue-Sky
10 days.⁴ This shows a historic and systemic disregard for the impact of Storms and
11 importance of accurate and timely communications with customers experiencing outages.

12 Continuing with this disregard is the fact that the Company only provides an estimated *day*
13 of restoration during Storm events.⁵ The wide potential for actual restoration across an
14 entire day's time could make the difference on whether a customer will be able to work
15 from home, if their food will spoil, and potentially even if they experience a medical
16 emergency. Such a vague estimate leaves customers in a difficult position to properly
17 respond to being without power.

³ Ex CUB-12, Case No. U-12270, June 14, 2024, DTE Electric Annual Report.

⁴ ExCUB-13, Discovery Response MNSCDE-13.27b.

⁵ Ex CUB-13, Discovery Response MNSCDE-13.27a.

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1 While the broadness of these restoration estimates alone is far less than ratepayers deserve,
2 the Company still underperforms in achieving them. The Company's Catastrophic Storm
3 First Estimate accuracy was 46% in 2023 and the Non-Catastrophic Storm First Estimate
4 accuracy was 60% in 2023.⁶ The 2024 June YTD estimate accuracies are higher (70% for
5 Catastrophic and 55% for non-catastrophic) but still represent a significant gap in the
6 Company's service and communication to its customers.⁷

7 When the Company underperforms in restoring customers impacted by a Storm, those
8 customers should at least have accurate information to respond accordingly to the overly
9 frequent and unnecessarily long outages endure.

10 **Q. Will the new proposal incentivize improvement in Storm spending and performance?**

11 A. No, it will not. The Company states that the cost sharing proposal means the Company is
12 "incentivized to control costs because it must absorb 50 cents of every incremental dollar
13 that is spent."⁸ If this were the case, the Company would be more incentivized to control
14 costs if it had to absorb 100% of every incremental dollar that is spent. At bottom, the
15 Company's proposal would mean that every incremental restoration dollar spent now
16 would cost the Company only \$0.50, when that dollar falls into the Storm category. This
17 would create a financial incentive for the Company to extend the duration of Storms and
18 perform additional work under the Storm umbrella as it would be 50% cheaper than if
19 performed after Storm-close. Additionally, the Company has stated there is no current

⁶ Ex CUB-13, Discovery Response MNSCDE-13.27bi.

⁷ *Id.*

⁸ Foley Revised Direct, p. NTF-71.

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1 standard, other than field crew judgement, on when to repair versus replace field assets,
2 and has not conducted a cost/benefit analysis to support any such decisions.⁹ Particularly
3 with the absence of any objective standard, the Company may alter Storm decision making
4 to take advantage of this new cost share structure. Further misalignment of incentives
5 would be driven by the fact that failure to keep storm restoration costs down would increase
6 the size of the five-year trailing average storm cost projection that customers must pay. It
7 is clear that the Company's proposal is not in the interest of ratepayers.

8 **Q. If the Company's proposal is rejected, does that mean the Company has no other**
9 **means to address the volatility from severe weather events?**

10 A. Not, it does not. The Commission offers DTE an opportunity to earn a return on investment
11 to compensate shareholders for risk. Earnings volatility, including earnings volatility due
12 to storm cost recovery, is one of the risks the rate of return is intended to cover. From this
13 perspective, DTE is already being compensated for storm recovery cost risk.

14 **Q. What is your recommendation to address Storm cost recovery?**

15 A. In light of the imbalance to the share of risk, the Company's poor Storm performance, and
16 the likelihood for misaligned incentives, I recommend that the Commission reject the
17 Company's SCRSM proposal. The Company's financial recovery from Storm should be
18 tied to a balanced set of relevant performance metrics to ensure an alignment of incentives

⁹ Discovery Request MNSCDE-13.26a ("Refer to Hill p. BLH-17. Witness Hill discusses the downsides of deferring emergent replacement work. a. Please provide the company's processes and decision criteria for making decisions of repairing vs. replacing work and how it considered cost/benefit in developing these criteria. Answer: Field crews decide whether to repair or replace equipment based off their experience and judgment. For example, if a crew finds a broken wooden crossarm, they would not repair it but replace it with a fiberglass crossarm. The Company has not done a formal cost/benefit analysis in determining these criteria.").

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1 to the public interest. I recommend the Commission order DTE to develop Storm
2 performance criteria that include outage restoration, estimate accuracy, resource
3 productivity, and financial responsibility specific to Storm scenarios and tie-bar financial
4 recovery of excess Storm restoration costs to the Company's performance in these areas.
5 This would create an incentive for innovation and improvement so that customers receive
6 the Storm restoration outcomes they deserve.

7 In light of the fact that the Company effectively receives compensation for weather
8 volatility, should the Commission approve the Company's storm recovery cost sharing
9 proposal despite my recommendation, I recommend the Commission reduce the rate of
10 return it authorizes on these costs.

11 **III. TREE TRIM RISK PRIORITIZATION MODEL**

12 **Q. How did the Company develop its Tree Trim risk prioritization model?**

13 **A.** The Company implemented a risk prioritization model that leverages remote sensing data,
14 advanced analytics, and machine learning to determine optimal trim cycles for their
15 vegetation management work. This work was done with a combination of internal
16 Company IT resources and an external consultant.¹⁰

17 **Q. What should a risk prioritization model do?**

18 **A.** There are two key objectives of a risk prioritization model when it comes to any utility
19 program, including tree trim/vegetation management. The first objective is to accurately
20 quantify the vegetation-related risk on a portion of the electric grid. The basic question it

¹⁰ Direct Testimony of Rachel C. Steudle, p. RCS-31.

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1 should answer is: “what is the risk of a tree related outage on this part of the grid, and how
2 does it compare to the rest of the grid?” Ideally, this should be able to be done at sub-circuit
3 resolutions, but at the very least it should be done at the circuit-level. Additionally, the risk
4 of an outage should ideally be considered in conjunction with the expected customers
5 impacted and the expected duration of the outage.

6 The second objective of the tool should be to accurately estimate the cost to mitigate the
7 tree risk it identifies. This expected cost would likely be derived from expected labor hours
8 and equipment needs based on the model’s analysis of the necessary tree trim work. The
9 purpose of this second objective is that it allows the utility to optimize its tree spend. A
10 strong tree risk prioritization model will help the Company to estimate its cost per expected
11 unit of reliability (i.e. SAIFI/SAIDI/CAIDI) avoided.

12 **Q. How can the Company know if its risk prioritization model is effective?**

13 **A.** When evaluating a vegetation management data modeling tool, utilities typically have two
14 options: build the tool internally or purchase from an external vendor. While the Company
15 did choose to build the tool internally, there exist many vendors in this space, from smaller
16 start-ups to large and established corporate enterprises. A sample of key players includes:
17 AIDash, Overstory, E Source, Hitachi, IBM, GE, Trimble, Leidos, and others.

18 In order to effectively evaluate the benefits of its risk prioritization model, the Company
19 should evaluate its cost/benefit over time. The cost includes the cost to produce and
20 maintain the model, but also the opportunity cost of what other models, internally or
21 externally constructed, can be expected to do. The benefit can be measured by actual (for
22 completed work) and projected expected (for future work) units of reliability avoided per

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dollars spent. This should be benchmarked against not only the Company's own baseline (i.e. what results they would see if they still used their previous planning methods) but against the results seen by other utilities, both those with internally- and externally-constructed models.

Q. What is your recommendation as it relates to the tree trim risk prioritization model?

A. As this model is a new creation and previously untested, it is incredibly important to monitor its performance over time and ensure that tree trim resources are being deployed at absolute optimum. I recommend the Commission order an annual audit and evaluation into the Tree Trim planning and decision-making process, including the value of the risk prioritization model. As noted above, this evaluation should compare the Company's results to its previous baseline and the results seen by other utilities.

IV. PROPOSED CHANGES TO CONTRIBUTION IN AID OF CONSTRUCTION

Q. What are the Company's proposed changes for Contribution in Aid of Construction (CIAC)?

A. The Company is proposing substantial increases for thirteen different CIAC rate items. These increases are substantial with factors range from 2.4x - 6.1x the previous CIAC rate.¹¹

The Company is taking a step forward by updating its CIAC rates – one that is long overdue as evidenced by the substantial amounts of proposed change. It is incredibly important that

¹¹ Direct Testimony of Witness Brian L. Hill, pp. BLH-30-31, Table 5.

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1 the Company ensure that CIAC stays accurate and relevant, so that new business customers
2 pay their fair share of new business costs.

3 **Q. What are your recommendations?**

4 **A.** To ensure that implemented CIAC accurately reflects the current costs of construction and
5 desired contributions, I recommend the Commission order a report in the next rate case
6 proceeding detailing the impact of the CIAC changes. This should include a review of the
7 new business construction costs and CIAC received, with comparison to historic and
8 projections of future new business construction costs and CIAC received.

9 Additionally, the Commission should ensure that CIAC sees regular updates in the future
10 so that it does not drift so far from actual costs again. To this end, I recommend the
11 Commission order a regular review of CIAC costs. I recommend a review cadence of at
12 least once every two years, but certainly no longer than once every five years.

13 **V. COMPANY STAFFING BASELINE IN THE INSTANT CASE**

14 **Q. Please summarize the Company's Voluntary Separation Incentive Program.**

15 **A.** On January 8, 2024, the Company offered a "Voluntary Separation Incentive Package
16 (VSIP)" to 1,025 of its employees and 1,622 DTE Energy Corporate Services LLC
17 employees.¹² This VSIP could otherwise be referred to or classified as a buyout. In
18 discovery, the Company indicated 140 DTE Electric employees and 249 DTE Energy

¹² DTE Response to AGDE-1.23a ("A voluntary separation incentive package (VSIP) was offered to 1,025 DTE Electric employees and 1,622 DTE Energy Corporate Services, LLC employees (shared service employees) on January 8, 2024.").

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Corporate Services, LLC employees accepted the VSIP, with projected costs of \$30.6 million in 2024 and estimated savings of up to \$20.2 million may materialize in 2025.¹³

Q. How is the Company treating the reduction in headcount post-VSIP in the instant case?

A. The Company has stated that any future savings are not embedded in the instant case and will instead be embedded into future rate cases.¹⁴ In discovery response to MNSC, DTE provided an overview of the VSIP, which indicates [[REDACTED]
[REDACTED]
[REDACTED]]¹⁵ DTE estimates the total projected savings of \$20.2M in O&M savings in 2025.¹⁶ This is subject to change based on potential future

¹³ DTE Response to AGDE-1.23c (“140 DTE Electric employees and 249 DTE Energy Corporate Services, LLC employees accepted the VSIP. The package was not offered in 2023. There are no projected savings for 2024 due to DTE Electric’s actual costs of the program (the accrued separation payments) of \$30.6 million. A primary purpose of the VSIP was to realign the workforce to support the changing nature of the Company’s work and how we do it, such as an increased focus on infrastructure investments, cybersecurity, and the clean energy transition.

Because of this, DTE Electric is still evaluating potential 2025 cost reductions due to the need to fill key roles so that we can continue our progress towards building more modern infrastructure and a future with lower carbon emissions. Currently, DTE Electric estimates that up to \$20.2 million in expense reductions could materialize in 2025, inclusive of both labor and employee benefits. This estimate will continue to evolve due to the need to fill many key roles. This savings estimate also does not include any offset of the program costs. If actual savings are realized in 2025, they will be embedded in the Company’s rates as actual costs in a future rate case.”).

¹⁴ Discovery Response AGDE-1.23c.

¹⁵ Ex CUB-14C, Response to MNSCDE-13.2b, *Confidential Attachment* NDA_U-21534 MNSCDE-13.2b Preliminary Estimated Net VSIP O&M Savings.

¹⁶Ex CUB-14, Response to MNSCDE-13.2b; see also Discovery Response AGDE-1.23c.

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1 hiring needs and does not include any costs associated with the program, which total
2 \$30.6M.¹⁷

3 **Q. Is it reasonable for the Company to use pre-VSIP staffing levels as its baseline for cost**
4 **recovery?**

5 **A.** No, it is not. This is analogous to selling your home in June to move in rent-free with a
6 relative, but still trying to deduct the mortgage interest for the whole year on your tax
7 return. It does not make sense that the Company would include costs for employees that
8 are no longer there. Since the Company elected to offer a buyout, it is reasonable to expect
9 that staffing levels after that buyout should become the new budgetary norm. The Company
10 should have to justify the expense of additional headcount above the VSIP-departures, not
11 automatically receive those funds and then justify it down later.

12 **Q. Why is it unreasonable for the Company to include backfilled positions in the instant**
13 **case?**

14 **A.** Essentially, the Company is asking the rate payers to bear the risk for the volatility of its
15 staffing levels. The Company elected to do the buyout in 2024, and also chose to use 2025
16 as their projected test year, while still in the midst of significant staffing fluctuations. The
17 Company has not properly justified its staffing baseline for 2025, as evidenced in their
18 Discovery response to MNSC, where they stated “This estimate will continue to
19 evolve...”¹³

¹⁷ *Id.*

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1 **Q. What are your recommendations?**

2 **A. I recommend that the Commission establish the post-VSIP staffing cost as the baseline for**
3 the instant case for 2025 Total O&M Expense in Exhibit A-13 Schedule C5 based on VSIP
4 departures to date, irrespective of any backfilling.

5 **VI. COST OF SERVICE ALLOCATIONS FOR MNSC WITNESS JESTER**

6 **Q. Please summarize the recommendations of MNSC Witness Douglas Jester relevant to**
7 **the Unbundled Cost of Service (UCOS).**

8 **A. As described in his direct testimony, Witness Jester recommends replacing the 4CP**
9 Production Allocation method with a Weighted Seasonal Capacity Increment (WSCI)
10 method. Witness Jester also proposes an additional 9CP option as well. My further
11 testimony will explain the impact of those recommendations on the UCOS.

12 **Q. How do Witness Jester's proposed allocators affect the Production Revenue**
13 **Requirements in the UCOS?**

14 **A. When Witness Jester's allocators were run through the Company's UCOS model, it**
15 produced the following Production-specific Revenue Requirements as shown in Figure 1
16 below:

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Commercial Secondary				
	D-3/Other General Service	D-3.2 Secondary Schools	D-4 Lg Genl Service	Total Commercial Secondary
DTE Original Proposal	650,267	27,186	136,827	814,280
MNSC WSCI¹ Method	636,978	27,597	141,453	806,028
Change from Original	(13,289)	411	4,627	(8,251)
MNSC 9CP Method	642,381	27,919	141,429	811,729
Change from Original	(7,886)	733	4,602	(2,551)

Summary by Class Type					
	Total Electric	Total Residential	Total Commercial Secondary	Total Primary	E-1 St Lgt D9 OPL E-2 Signals
DTE Original Proposal	3,213,177	1,435,793	814,280	951,851	11,253
MNSC WSCI¹ Method	3,213,177	1,389,075	806,028	1,003,957	14,116
Change from Original	-	(46,718)	(8,251)	52,107	2,863
MNSC 9CP Method	3,213,177	1,385,324	811,729	1,003,699	12,424
Change from Original	-	(50,468)	(2,551)	51,848	1,171
<i>1) Weighted Seasonal Capacity Increment</i>					

Residential				
	D-1.11/Other Residential Service	D-1.2 Time Of Use	D-2 Residential Space Ht	Total Residential
DTE Original Proposal	1,400,159	15,004	20,630	1,435,793
MNSC WSCI¹ Method	1,310,930	14,930	63,214	1,389,075
Change from Original	(89,228)	(74)	42,584	(46,718)
MNSC 9CP Method	1,304,335	14,509	66,481	1,385,324
Change from Original	(95,824)	(495)	45,850	(50,468)

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1

Primary						
	D-11/Other Primary	D-6.2 Primary Schools	D-8 Interrupt Supply	R-1.1/R-1.2 Metal Melt Process Heat	R-10 Interrupt Supply	Total Primary
DTE Original Proposal	790,081	56,966	30,290	26,754	47,759	951,851
INSC WSCI¹ Method	848,461	42,972	31,827	32,938	47,759	1,003,957
Change from Original	58,380	(13,994)	1,537	6,184	-	52,107
MNSC 9CP Method	847,233	43,688	31,764	33,254	47,759	1,003,699
Change from Original	57,152	(13,278)	1,474	6,500	-	51,848

Lighting and Signals					
	D-9 OPL Residential	D-9 OPL Commercial	E-1 St Lght	E-2 Signals	Total Lighting & Signals
DTE Original Proposal	284	1,274	5,733	3,963	11,253
C WSCI¹ Method	384	1,655	7,814	4,262	1,003,957
Change from Original	100	382	2,082	299	992,704
MNSC 9CP Method	320	1,411	6,482	4,211	1,003,699
Change from Original	36	137	749	248	992,445

2

3 **Q. How do Witness Jesters proposed allocators affect the Total Revenue Requirements**
4 **in the UCOS?**

5 **A.** The impact of Witness Jester's allocators on the Total Revenue Requirements can be seen
6 in Figure 2 below:

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Summary by Class Type					
	<u>Total Electric</u>	<u>Total Residential</u>	<u>Total Commercial Secondary</u>	<u>Total Primary</u>	<u>E-1 St Lgt D9 OPL E-2 Signals</u>
DTE Original Proposal	6,017,739	3,150,067	1,542,586	1,238,405	86,681
MNSC WSCI¹ Method	6,017,739	3,103,349	1,534,335	1,290,512	89,544
Change from Original	-	(46,718)	(8,251)	52,107	2,863
MNSC 9CP Method	6,017,739	3,099,599	1,540,035	1,290,253	87,852
Change from Original	-	(50,468)	(2,551)	51,848	1,171
<i>1) Weighted Seasonal Capacity Increment</i>					
Residential					
	<u>D-1.11/Other Residential Service</u>	<u>D-1.2 Time Of Use</u>	<u>D-2 Residential Space Ht</u>	<u>Total Residential</u>	
DTE Original Proposal	3,062,328	35,957	51,782	3,150,067	
MNSC WSCI¹ Method	2,973,100	35,883	94,366	3,103,349	
Change from Original	(89,228)	(74)	42,584	(46,718)	
MNSC 9CP Method	2,966,504	35,462	97,632	3,099,599	
Change from Original	(95,824)	(495)	45,850	(50,468)	
Commercial Secondary					
	<u>D-3/Other General Service</u>	<u>D-3.2 Secondary Schools</u>	<u>D-4 Lg Genl Service</u>	<u>Total Commercial Secondary</u>	
DTE Original Proposal	1,196,957	67,235	278,394	1,542,586	
MNSC WSCI¹ Method	1,183,668	67,646	283,021	1,534,335	
Change from Original	(13,289)	411	4,627	(8,251)	
MNSC 9CP Method	1,189,071	67,968	282,996	1,540,035	
Change from Original	(7,886)	733	4,602	(2,551)	

**DIRECT TESTIMONY OF JOSHUA DENZLER FOR CUB, MEC & NRDC
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Primary						
	<u>D-11/Other Primary</u>	<u>D-6.2 Primary Schools</u>	<u>D-8 Interrupt Supply</u>	<u>R-1.1/R-1.2 Metal Melt Process Heat</u>	<u>R-10 Interrupt Supply</u>	<u>Total Primary</u>
DTE Original Proposal	1,021,423	82,402	41,225	39,871	53,484	1,238,405
WSCI¹ Method	1,079,803	68,408	42,762	46,055	53,484	1,290,512
Change from Original	58,380	(13,994)	1,537	6,184	-	52,107
MNSC 9CP Method	1,078,575	69,124	42,699	46,371	53,484	1,290,253
Change from Original	57,152	(13,278)	1,474	6,500	-	51,848

Lighting and Signals				
	<u>D-9 OPL Residential & Commercial</u>	<u>E-1 St Lght</u>	<u>E-2 Signals</u>	<u>Total Lighting & Signals</u>
DTE Original Proposal	13,068	67,751	5,862	86,681
WSCI¹ Method	13,550	69,833	6,161	1,003,957
Change from Original	482	2,082	299	917,276
MNSC 9CP Method	13,241	68,500	6,110	1,003,699
Change from Original	173	749	248	917,018

Q. How did you arrive at the results?

A. I took the allocators from Witness Jester's Workpaper Production Cost Allocation and put them into the Company's UCOS model. For each method (WSCI and 9CP), I replaced the allocators in Company Workpaper U-21534 UCOS for Filing (now JWD-WP4C and JWD-WP4D) on tab Alloc in Column D, which is shown in Exhibit CUB-15. I then extracted the resulting production revenue requirements from tab Exhibit F1.1 and compiled them into a workpaper (JWD-WP4E, shown in Exhibit CUB-16)), which produced the tables in Figure 1 above. To arrive at the overall revenue requirements, I extracted the Company's original proposal from Exhibit A-16, Sched F2 and aligned them into the same categories

**DIRECT TESTIMONY OF JOSHUA DENZLER FOR CUB, MEC & NRDC
CASE NO. U-21534**

1 as the UCOS. I adjusted the total revenue requirements accordingly and extracted the
2 results into the same workpaper (JWD-WP4E, shown in Exhibit CUB-16), to produce
3 Figure 2 above.

4 **VII. RECOMMENDATIONS**

5 **Q. Please summarize your conclusions and recommendations to the Commission.**

6 A. On behalf of MNSC, I recommend that the Commission:

7 (1) Reject the Company's proposed Storm Restoration Cost Sharing Mechanism.

8 (2) Order the Company to develop a proposal to tie financial recovery from excess
9 Storm spending to a balanced set of relevant performance metrics to ensure an
10 alignment of incentives, using Storm performance criteria that include outage
11 restoration, estimate accuracy, resource productivity, and financial responsibility
12 specific to Storm scenarios.

13 (3) Order DTE to evaluate on an annual basis the Tree Trim planning and
14 prioritization process, including the risk prioritization model, to ensure optimized
15 deployment of those resources.

16 (4) Establish regular CIAC updates as a mandatory item in future rates.

17 (5) Establish the post-VSIP staffing costs as the baseline for the instant case,
18 exclusive of any planned or completed backfills.

19 (6) Adjust the UCOS Production allocations based on the recommendations of the
20 MNSC Witness Jester.

21 **Q. Does that complete your testimony?**

22 A. Yes.



Joshua Denzler

He | Him | His

Consultant

jdenzler@5lakesenergy.com

Expertise

Electric utility distribution system planning and operations, distribution system costs, allocation of all utility costs, and incremental revenues and costs associated with new loads.

Selected Projects

- Expert witness testimony and supporting analyses in regulatory dockets before the Michigan Public Service Commission (MPSC) with a focus on evaluating overall utility performance relative to rates, conducting cost/benefit analysis of utility investments, applying various analytical methodologies to assess reasonableness of estimates used in ratemaking, reviewing cost-of-service studies for equity and fairness of cost allocations, and ensuring that the reactive savings generated from capital investments are reflected in rate design.

Past Employment

- Director, Sales Innovation (Data Science/Utility Sector) | E Source | Boulder, CO | 2023-2024
- Senior Strategist, Corporate Strategy | DTE Energy | Detroit, MI | 2022-2023
- Senior Strategist, Electric Distribution Operations | DTE Energy | Detroit, MI | 2021-2022
- Strategist, Electric Distribution Operations | DTE Energy | Detroit, MI | 2019-2021
- Apprentice Planner (Distribution Lines Designer) | DTE Energy | Detroit, MI | 2017-2019

Education

- Bachelor of Business Administration | University of Michigan, Ross School of Business | 2017

Awards, Affiliations, and Service

- Member, Staff-Parish Relations Committee | Berkley/Birmingham United Methodist Church | Berkley, MI | 2023-Present
- Trustee, Board of Education | Lake Shore Public Schools | Beverly Hills, MI | 2017-2022

DTE Electric Company
One Energy Plaza, 1635 WCB
Detroit, MI 48226-1279



Paula Johnson-Bacon
(313) 235-7052
paula.bacon@dteenergy.com

June 14, 2024

Ms. Lisa Felice
Executive Secretary
Michigan Public Service Commission
7109 West Saginaw Hwy.
Lansing, MI 48917

Re: In the matter on the Commission's own motion of the investigation into methods
to improve the reliability of electric service in Michigan
MPSC Case No. U-12270

Dear Ms. Felice:

Pursuant to the Commission's December 20, 2022 Order in the above-referenced matter,
attached please find DTE Electric Company's 2023 MPSC Service Quality and Reliability
Standards for Electric Utilities R460.731 Annual Report.

Very truly yours,

Paula Johnson-
Bacon

Digitally signed by Paula
Johnson-Bacon
Date: 2024.06.14 16:16:38 -04'00'

Paula Johnson-Bacon

PJB/cdm
Attachment

MPSC Service Quality and Reliability Standards for Electric Utilities
R460.731 Annual Report

Utility or Cooperative:	DTE Energy Co.
Year:	2023

SUMMARY TABLE R460.732(s)

	Meter Reading Factor R460.732 (a)	New Service Installation Factor R460.732(b)	Wire Down Relief Factor R460.732 (c)		Outage Restoration				CEM4	
			The percentage of the first responder guarded downed wires that are relieved by an electric utility representative within 120 minutes after notification in MSAs.	The percentage of the first responder guarded downed wires that are relieved by an electric utility representative within 180 minutes after notification in non-MSAs.	All Conditions R460.732 (d)	Normal Conditions R460.732 (e)	Gray-Sky Conditions R460.732 (f)	Catastrophic Conditions R460.732 (g)	Sustained Interruptions R460.732 (h)(i)	Number of Customers Experiencing 4 or More Sustained Interruptions
Utility or cooperative performance during year	98.95%	95.00%	78.00%	85.15%	90% or more customers restored in 36 hours or less	93.00%	90% or more customers restored in 24 hours or less	81.64%	13.38%	301,244
MPSC Annual Performance Standard	95% or more	90% or more completed within 15 business days	90% or more within 120 minutes in MSAs	90% or more within 180 minutes in non-MSAs	90% or more customers restored in 36 hours or less	90% or more customers restored in 8 hours or less	90% or more customers restored in 24 hours or less	90% or more customers restored in 48 hours or less	6% or less before 2030; 5% or less in 2030 or later	
Did utility or cooperative comply with performance standard (Yes/No)	Yes	Yes	No	No	No	Yes	No	No	No	

A detailed explanation of the steps the electric utility or cooperative is taking to bring its performance to an acceptable level. If more than 6% of customers experienced 4 or more sustained interruptions within the year, and that percentage is greater than 5% in the year prior, the utility or cooperative must provide a detailed description of all catastrophic conditions experienced during the year and that year was 2030 or a future year, a description of all catastrophic conditions experienced during the year is also required. (Can be put on a separate page.) R 460.732 (h)(i) and R 460.732 (h)(ii).

See Appendix 1 for Actions to Improve Reliability Performance
See Appendix 2 for Description of Catastrophic Conditions

CUSTOMER CREDITS PROVIDED DURING THE YEAR				Total Customer Credits (S)
Item	Sector	Number of credits provided	(1)	
Customer Credits Provided for Failure to Restore Service within 96 Hours of the Start of Sustained Interruption during Catastrophic Conditions R460.732(i)	Residential	35,977		350,009
	Commercial	2,218		7,630
	Industrial	0		0
Customer Credits Provided for Failure to Restore Service within 48 Hours of the Start of Sustained Interruption during Gray Sky Conditions R460.732(j)	Residential	11,417		408,211
	Commercial	1,006		34,160
	Industrial	0		0
Customer Credits Provided for Failure to Restore Service within 16 Hours of the Start of Sustained Interruption during Normal Conditions R460.732(k)	Residential	23,719		981,974
	Commercial	2,294		94,026
	Industrial	1		0
Customer Credits Provided to Individual Customers Who Experienced 6 or more Sustained Interruptions. R460.732(l)	Residential	123,671		3,824,838
	Commercial	7,701		187,566
	Industrial	0		73

WORST PERFORMING CIRCUITS DURING THE YEAR

1. For each electric utility with 1,000,000 or more customers, a list of its 10 worst performing circuits for the prior year in terms of SAIDI and SAIFI. For each listed circuit, provide the following information below. R460.732(m) and R 460.732 (o). Please see the definition of "circuit" below in (8).
2. For each electric utility or cooperative with less than 1,000,000 customers, a list of the worst performing 1% of circuits for the prior year in terms of SAIDI and SAIFI. For each listed circuit, provide the following information below. R460.732(n) and R 460.732 (o). Please see the definition of "circuit" below in (8).

MOMENTARY INTERRUPTIONS	
Number of Non-Residential Customers Experiencing Momentary Interruptions R460-732(r)	N/A

System-wide SAIDI, SAIFI, and CAIDI (9)				All conditions				Excludes MEDs (11)			
Year	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	CAIDI
2019	466	1.37	1.22	396	1.14	0.99	202	1.14	0.99	178	190
2020	352	1.29	1.28	274	1.01	1.02	142	1.01	1.02	140	177
2021	927	1.48	1.40	465	0.92	1.02	136	0.92	1.02	147	167
2022	584	1.25	1.37	467	0.98	1.02	146	0.98	1.02	149	157
2023	1542	1.72	1.44	895	0.86	0.98	157	0.86	0.98	183	159

Power Quality information (10)	
Power quality information shall contain data on: a) all power quality investigations conducted in the past year for industrial customers who have requested a power quality investigation as a result of an event originating from utility equipment; and b) power quality investigations conducted in the past year into any power quality event. For purposes of this form, a power quality event is defined as an event that affected customers on a single circuit or substation; resulted in damage to customer appliances, equipment, or wiring; and occurred within a 24-hour period. (Can be put on a separate page or pages.)	See Appendix 4

DEFINITIONS AND NOTES

- (1) "Total customer credits" means the dollar amount of customer credits provided on customer bills during the year.
- (2) "Location of Circuit - Zip codes" refers to the zip codes where spans of the circuit are located.
- (3) "Last circuit trim (year)" is the last year there was trimming on the circuit as part of a normal tree trim cycle (not reactive trimming)
- (4) "List of outages and causes" - please discuss outages that meet the definition of a "major interruption" as defined by R 460.3102(i)
- (5) For CEM10 through CEM10+, reporting, please provide percentages. Reporting should be all conditions.
For CELID reporting, please provide percentages. Reporting should be all conditions and follow the definition of CELID Single Interruption Duration per IEEE 1366-2022 section 4.2.8. Do not double count multiple outages of that fall within the same time bracket. For example, a customer experiencing two nine-hour outages should only be reported once in CELID8hrs. Longer outages may qualify for inclusion in multiple CELID metrics. For example, a customer experiencing a 30-hour outage may be reported in CELID8hrs and CELID24hrs.
For the worst performing circuits sections, SAIDI and SAIFI should be calculated on a system basis. Worst performing circuits operated by utilities and cooperatives with less 1,000,000 customers should not be compared to worst performing circuits that are operated by utilities with 1,000,000 or more customers.
For the worst performing circuits sections, a circuit is defined as a substation feeder or line exit from a substation serving at least 10 metered customers.
- (6) The system-wide SAIDI, SAIFI, and CAIDI data is requested pursuant to MCL 460.55 and the July 7, 2023 order in Case No. U-12270.
- (7) Power quality information is being requested pursuant to the July 7, 2023 order in Case No. U-12270.
- (8) Major event day, or MED, is defined according to IEEE 1366-2022.
- (9) A customer shall be defined as a "metered electric service."
- (10) Interruptions that occur as a result of outages on customer-owned facilities, or loss of supply from another utility, should not be included in IEEE reliability index calculations.
- (11) *
- **

Appendix 1 - Actions to Improve Reliability Performance

In 2023, the performance of the Company's system missed several Service Quality and Reliability metrics, including Wire Down Relief Factor, Outage Restoration under all but normal conditions, and CEMI4. The metrics are reported in the standard template.

The primary contributing factor to performance below the standard for these metrics in 2023 was multiple catastrophic storms. In particular, the Company experienced three storms that were catastrophic by the MPSC's definition (>10%) of customers impacted, including an ice storm that started in February and extended into March, as well as two severe thunderstorms, one each in July and August.

The company has taken several actions to improve the Wire Down Relief Factor metrics, including increasing the number of resources both across the Company and through external contractors that can be mobilized to secure downed wires, and increasing the capacity to dispatch resources to downed wires, including enhancing technology to optimize dispatch. The Company's investments in Distribution Automation and the associated ground detection benefits can reduce the number of energized downed wires. Maintain the improved direct communication/reporting process with fire departments.

The Company has filed a comprehensive plan to modernize and strengthen the grid with a portfolio of both near- and longer-term initiatives as part of its 2023 Distribution Grid Plan (DGP). This plan will improve both reliability and safety for our customers and improve performance relative to the Service Quality and Reliability Standards' metrics.

In general, the goals of the investments over the next five years are to:

- Stabilize the system with equipment hardening programs to eliminate outages in the face of more frequent and extreme storms. These programs will drive down the volume of wire down events, improving the Wire Down Relief Factor metric. A reduction in outage events will improve both the CEMI4 metric and Outage Restoration (all conditions).
- Increase the level of automated restorations (smart grid technology) by adding up to 10,000 reclosers to the system to reduce the size and duration of customer outages. Reclosers placed at the start of circuits will be able to detect and de-energize wire-downs, reducing electrical hazards and improving Wire Down Relief Factor. The ability to sectionalize and restore sections of circuits through automation will improve Outage Restoration metrics.
- Continue to modernize the grid through substation and circuit voltage conversion projects and subtransmission upgrades to improve reliability by replacing end of life equipment; installing the latest automation technology, which will improve safety by eliminating energized wire-downs; and adding capacity for DER and electrification. DTE's four investment pillars help to facilitate these goals (information on each pillar is contained within DTE's 2023 DGP's filing U-20147):
 - Tree Trimming
 - Infrastructure Resilience and Hardening
 - Infrastructure Redesign and Modernization
 - Technology and Automation

The strategic capital plan outlined in the DGP will improve performance in Wire Down Relief, Outage Restoration, and CEMI4. Many of the investments in programs and projects will provide benefits across multiple metrics of wire down events (Wire Down Relief), and outage duration (Outage Restoration) and frequency of events (CEMI4).

Appendix 2 – Description of Catastrophic Conditions

Storm Name	2023003	2023005	2023006	2023007	2023008
Date Storm Began	2/22/2023	6/25/2023	7/20/2023	7/26/2023	8/23/2023
Date Storm Ended	3/7/2023	6/28/2023	7/23/2023	7/30/2023	8/30/2023
Storm Type	Ice	Thunderstorm	Thunderstorm	Thunderstorm	Thunderstorm
Customers Interrupted (#)	866,257	161,244	177,427	364,968	462,108
Storm Duration (hours)	318.0	77.5	79.0	102.0	161.0
Duration of restoration efforts (hours)	323.0	132.0	241.0	166.0	265.0
Date restoration efforts ended	3/7/2023	6/30/2023	7/30/2023	8/2/2023	9/3/2023
spent per event (\$)	\$ 2,766	\$ 3,670	\$ 4,017	\$ 3,930	\$ 5,192
paid in outage credits (\$)	\$ 2,989,455	\$ 441,840	\$ 295,275	\$ 381,455	\$ 496,685
Non-baseload resources requested (Y/N)	Y	Y	Y	Y	Y
Company linemen used (#)	484	485	486	496	508
contractor workers used (#)	551	569	585	513	511
non-baseload workers used (#)	1,564	402	497	1,258	1,218
Company crews used (#)	86	88	66	65	75
Contractor crews used (#)	154	170	160	140	147
Non-baseload crews used (#)	441	125	142	353	336
Wire down personnel used (#)	1,318	316	270	584	296
Downed wires	14,202	1,452	1,386	3,338	4,684
Non-baseload resources cost (\$)	\$145,472,850	\$ 16,932,512	\$ 16,804,571	\$ 42,328,278	\$ 59,030,063

Appendix 3 - Corrective Action Plans to Improve SAIDI/SAIFI Performance

Identifier	Circuit Name and Number	Corrective Action
SAIDI-01	YPSIL0317	Circuit automation - 2024
SAIDI-02	KNGSY0330	Tree Trim - 2023
SAIDI-03	ARGO 0326	4.8kV Conversion - Ongoing
SAIDI-04	SNOVR0302	Customer Excellence – 2023 – spot tree trimming, crossarms and associated pole top hardware replaced at various locations 4.8kV Conversion – 2023 – one section of circuit converted and transferred to neighboring 13.2kV circuit
SAIDI-05	APLGT0311	Single event contributed 75% of customer-minutes resolved at that time
SAIDI-06	LEXTN8770	Single event contributed 78% of customer-minutes resolved at that time
SAIDI-07	NBOST0305	Tree Trim - 2023
SAIDI-08	PULFD2155	Tree Trim - 2023 4.8kV Conversion - Ongoing
SAIDI-09	SNOVR0301	Customer Excellence – 2023 – spot tree trimming, crossarms and associated pole top hardware replaced at various locations
SAIDI-10	DENVR2004	Reliability project – 2023 – added fusing and sectionalizing options, reconductoring at various locations, pole replacements at various locations
SAIFI-01	CROWN9832	Customer Excellence – 2023 – spot tree trimming, crossarms and associated pole top hardware replaced at various locations
SAIFI-02	ARGO 0326	4.8kV Conversion - Ongoing
SAIFI-03	HASKL1625	Circuit automation - 2024
SAIFI-04	NBOST0305	Tree Trim - 2023
SAIFI-05	SNOVR0302	Customer Excellence – 2023 – spot tree trimming, crossarms and associated pole top hardware replaced at various locations 4.8kV Conversion – 2023 – one section of circuit converted and transferred to neighboring 13.2kV circuit
SAIFI-06	SDF012641	Customer Excellence – 2023 - crossarms and associated pole top hardware replaced at various locations
SAIFI-07	ARMAD0302	Customer Excellence – 2023 - spot tree trimming, crossarms and associated pole top hardware replaced at various locations Replaced recloser that led to one of the large outages
SAIFI-08	SNOVR0301	Customer Excellence – 2023 – spot tree trimming, crossarms and associated pole top hardware replaced at various locations
SAIFI-09	SDF339897	Customer Excellence - 2023, 2024 - spot tree trimming, crossarms and associated pole top hardware replaced at various locations
SAIFI-10	CABOT9490	Customer Excellence – 2023 - spot tree trimming, crossarms and associated pole top hardware replaced at various locations

Appendix 4 – Power Quality Resolution Process

Power Quality Inquiry Process

DTE Electric (DTE) has a proven effective process in place that enables its large industrial and commercial customers typically served off the sub-transmission or transmission system to obtain resolution of power quality issues. The customers contact their assigned account representative who in turn starts the process of helping the customer by engaging the appropriate engineer in Distribution Operations. DTE and ITC Transmission (ITCT) have a very successful process concerning the transmission system events.

The response to the customer normally includes the following steps:

- (1) Obtain pertinent information about what is troubling the customer (old or new equipment, one device or many)
- (2) Gather the dates and times from the customer to correlate with EMS Alarm Logger events (cap switching, line trips)
- (3) Correlate the customer's experiences with the power quality meters at the service point or with power quality meters in the area
- (4) Meet with the customer about the correlation of system and customer events.

Based on the correlation of DTE and customer events, the following outcomes or additional steps are possible:

- (1) Special power quality monitoring (DTE or customer) could be installed to determine customer equipment sensitivity and source of problem.
- (2) Customer conducts site survey to determine if his operating voltage is optimal
- (3) Trouble with minor sags from DTE system (sensitive equipment) - customer's responsibility to make compatible.
- (4) Internal system trouble - customer's responsibility to make equipment compatible
- (5) ITCT/DTE will seek resolution of problems caused on the ITCT/DTE systems where the customer equipment wouldn't be expected to have ride-through to significant voltage sags. The rate of occurrence, system exposure and service method determine if remedies are commercially feasible.

Power Quality Monitoring

DTE has an array of power quality meters across its system at key industrial, sub-transmission, and distribution buses that have proven to be very effective. New meters are installed at new or upgraded industrial substations and on sub-transmission buses.

The power quality meters at the industrial locations allow DTE to correlate the recorded voltage sags with system events from the SCADA-EMS system. This system provides DTE with information unique to the customer and a tool to track the performance of the system. The system performance data is used to prioritize capital improvements and system maintenance.

The power quality meters on the sub-transmission and distribution buses provide system performance data. This information will reduce the time and cost to find causes of voltage sags and facilitate repair the system when necessary.

Also, voltage sags on the DTE system can be correlated with faults on the ITCT system. The DTE power quality data is shared with ITCT for the benefit of resolving customer power quality issues.

2023 Power Quality Inquiries Summary

The data below indicates the number of customer inquiry and related power quality events correlated by DTE – Distribution Operations in 2023. Each power quality issue is categorized by service methods, power quality events, source of events.

Inquiries			Power Quality Event ¹		PQ Event Source			Detail ⁶
Month	Total	Loc. Impacted ²	Voltage Sag	Interruption	DTE ³	ITCT ⁴	Customer ⁵	Inquiry Numbers
Jan	0	0	0	0	0	0	0	
Feb	1	1	0	1	1	0	0	10339
Mar	0	0	0	0	0	0	0	
Apr	2	2	2	0	2	0	0	10340, 10341
May	2	2	2	0	1	0	1	10342, 10343
June	0	0	0	0	0	0	0	
July	3	3	2	1	0	1	2	10344, 10345, 10346
Aug	2	2	0	2	1	1	0	10341, 10347
Sept	2	2	1	1	0	1	1	10343, 10345
Oct	2	2	1	1	0	1	1	10340, 10347
Nov	1	1	1	0	0	0	0	10348
Dec	1	1	1	0	0	1	1	10348
Year	16	16	10	6	5	5	6	

- 1 Voltages and durations (IEEE Std 1159 Table 2 – Categories & Typical Characteristics of Power System Phenomena)
- 2 Number of unique customer locations impacted per system event ID
- 3 Equipment owned by DTE (120, 40, 24, 13.2 and 4.8 kV)
- 4 Equipment owned by ITCT (345, 230 and 120 kV)
- 5 Equipment owned by the customer or other power systems not owned by DTE or ITCT
- 6 Inquiry numbers – event detail provided in the table below

The number of locations impacted by customer inquiries was 16 during 2023.

The follow-up investigations indicate that most of the power quality events were due to either voltage sags (62.5%) or interruptions (37.5%) and correlated with trouble occurring on the DTE (31.25%) systems, ITCT (31.25%) systems and possible customer equipment failure (37.5%).

Line clearance, system modifications such as operating practice changes, equipment replacement or maintenance, and adding animal guards/protection are all typical actions taken to reduce the occurrences of the events.

The following table lists information about each inquiry:

Inquiry	Date - Time	System Event	PQ Event	Comments
10339	02/15/2023 10:11	TIE 6931	Interruption	Unknown
10340	04/05/2023 01:27	STERLING TRK 2742	Interruption	Animal Intrusion
10340	10/26/2023 18:00	STERLING TRK 2742	Interruption	Third party interference
10341	04/05/2023 02:58	OLIVER TIE 7520	Unknown	Unknown
10341	08/14/2023 15:56	PIGEON - RANDOLPH 3209	Interruption	Line Equipment
10342	05/09/2023 18:10	Limited Data to identify affected elements	Unknown	Possible Customer
10342	05/09/2023 22:23	Limited Data to identify affected elements	Unknown	Possible Customer
10342	05/10/2023 02:06	Limited Data to identify affected elements	Unknown	Possible Customer
10342	05/10/2023 03:16	Limited Data to identify affected elements	Unknown	Possible Customer
10342	05/10/2023 20:10	Limited Data to identify affected elements	Unknown	Possible Customer
10342	05/11/2023 01:59	Limited Data to identify affected elements	Unknown	Possible Customer
10342	05/11/2023 02:03	Limited Data to identify affected elements	Unknown	Possible Customer
10342	05/15/2023 01:55	Limited Data to identify affected elements	Unknown	Possible Customer
10342	05/17/2023 01:57	Limited Data to identify affected elements	Unknown	Possible Customer
10342	05/17/2023 03:45	Limited Data to identify affected elements	Unknown	Possible Customer
10342	05/17/2023 05:20	Limited Data to identify affected elements	Unknown	Possible Customer
10343	05/22/2023 05:23	STANT DC 8393	Voltage sag	Line Equipment
10343	09/19/2023 19:38	STANT PL 8327	Voltage sag	Line Equipment
10344	07/5/2023 08:43	Limited Data to identify affected elements	Unknown	Possible Customer
10345	07/10/2023	Limited Data to identify affected elements	Unknown	Possible Customer
10345	07/13/2023*	Limited Data to identify affected elements	Unknown	Possible Customer
10345	09/09/2023 16:14*	LALLENDORF-MONROE	Interruption	Line Equipment
10346	07/30/2023 15:26	CUSTER-MONROE	Interruption	Line Equipment
10347	10/04/2023 17:33	ALFRED 120kV	Interruption	Animal Interference
10347	08/24/2023 00:35*	LINCOLN-NORTHEAST-NORTHWEST	Interruption	Storm outage
10348	11/13/2023 21:29	BROWNSTOWN-ENRICO FERMIN	Voltage sag	Unknown
10348	12/11/2023 15:18	Limited Data to identify affected elements	Unknown	Possible Customer

*System shows other customers affected during this time, but no additional complaints were found

Appendix 5

Outage and Cause Listing - Worst performing circuits by SAIDI excluding Major Event Days - Circuit Basis

Ref#	Metric	Rank	Circuit	MED	Storm	Interruption Date/Time	Customers Interrupted	Customer Minutes Interrupted	Cause ¹
SAIDI-01	SAIDI	1	YPSIL0317	-		01/25/23 14:44	1	1,742	Equipment
SAIDI-01	SAIDI	1	YPSIL0317	-		01/26/23 00:25	1	71	Other
SAIDI-01	SAIDI	1	YPSIL0317	-		01/26/23 00:25	1	71	Other
SAIDI-01	SAIDI	1	YPSIL0317	-		02/04/23 16:22	1	5	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/22/23 17:44	1	9,923	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/22/23 18:35	1	8,372	Weather
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/22/23 18:38	47	139,914	Weather
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/22/23 20:25	1	8,301	Weather
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/22/23 20:28	1	4,235	Weather
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/22/23 20:56	1	9,483	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/22/23 20:58	1	9,707	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/22/23 21:08	1	6,913	Weather
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/22/23 21:21	1	9,572	Weather
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/22/23 21:21	1	9,572	Weather
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/22/23 21:46	2	144	Weather
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/22/23 22:12	1	8,360	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/22/23 23:56	1	16	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/23/23 06:02	2	12,904	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/23/23 11:53	1	8,706	Weather
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/23/23 14:32	2	27	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/23/23 15:51	4	50	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/23/23 23:17	1	17	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/23/23 23:25	142	384,548	Weather
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/24/23 14:40	1	68	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/24/23 21:34	1	39	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/24/23 23:42	1	23	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/25/23 09:04	1	117	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/25/23 11:43	1	6	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/25/23 16:43	2	26	Other
SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	02/25/23 23:09	1,293	3,259,696	Weather
SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	02/25/23 23:09	1	2,544	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/27/23 22:48	1	15	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/28/23 05:32	1	8	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	02/28/23 07:26	1	6	Other
SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	02/28/23 10:12	12	225	Vegetation

¹ *The "Other" category includes but is not limited to: customer equipment; intentional; and other utility causes.

SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	02/28/23 10:12	1	19	Other
SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	02/28/23 10:12	1	19	Other
SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	02/28/23 11:16	1	25	Other
SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	02/28/23 16:37	1	10	Other
SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	02/28/23 21:47	1	9	Other
SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	03/01/23 13:22	1	30	Other
SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	03/02/23 03:35	1	8	Other
SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	03/02/23 05:38	2	72	Vegetation
SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	03/02/23 11:22	1	42	Other
SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	03/02/23 12:16	1	137	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	03/03/23 20:27	1	2,348	Weather
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	03/03/23 21:37	1	1,262	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	03/03/23 21:42	1	1,246	Equipment
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	03/04/23 16:59	17	5,187	Weather
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	03/04/23 17:12	46	28,036	Weather
SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	03/05/23 11:10	1	345	Weather
SAIDI-01	SAIDI	1	YPSIL0317	-	Cat	03/07/23 08:45	1	162	Weather
SAIDI-01	SAIDI	1	YPSIL0317	-		03/09/23 10:15	1	40	Other
SAIDI-01	SAIDI	1	YPSIL0317	-		03/09/23 14:20	1	223	Other
SAIDI-01	SAIDI	1	YPSIL0317	-		03/10/23 05:12	63	20,175	Equipment
SAIDI-01	SAIDI	1	YPSIL0317	-		03/10/23 05:12	27	10,292	Equipment
SAIDI-01	SAIDI	1	YPSIL0317	-		03/15/23 07:53	8	3,623	Other
SAIDI-01	SAIDI	1	YPSIL0317	-	Small	03/27/23 08:19	1	35	Other
SAIDI-01	SAIDI	1	YPSIL0317	-		05/10/23 08:44	1	366	Other
SAIDI-01	SAIDI	1	YPSIL0317	-		06/02/23 09:06	1	7	Other
SAIDI-01	SAIDI	1	YPSIL0317	-		06/07/23 11:02	1	55	Other
SAIDI-01	SAIDI	1	YPSIL0317	-		06/11/23 17:42	1	1,138	Vegetation
SAIDI-01	SAIDI	1	YPSIL0317	-		06/16/23 19:16	1	8	Equipment
SAIDI-01	SAIDI	1	YPSIL0317	-		06/21/23 15:36	1	160	Equipment
SAIDI-01	SAIDI	1	YPSIL0317	-		06/21/23 15:36	1	160	Vegetation
SAIDI-01	SAIDI	1	YPSIL0317	MED	Small	06/25/23 18:13	2	2,894	Weather
SAIDI-01	SAIDI	1	YPSIL0317	-		07/19/23 10:20	7	303	Planned
SAIDI-01	SAIDI	1	YPSIL0317	-		07/25/23 10:08	12	429	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	07/26/23 15:08	3	13,507	Weather
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	07/27/23 13:39	1,069	328,976	Weather
SAIDI-01	SAIDI	1	YPSIL0317	-		08/15/23 11:49	8	212	Other
SAIDI-01	SAIDI	1	YPSIL0317	-		08/15/23 11:49	1	27	Other
SAIDI-01	SAIDI	1	YPSIL0317	-		08/16/23 17:22	2	829	Equipment
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	08/24/23 03:23	1	2,205	Other
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	08/24/23 03:24	1	2,205	Vegetation
SAIDI-01	SAIDI	1	YPSIL0317	MED	Cat	08/24/23 22:27	2	2,336	Vegetation
SAIDI-01	SAIDI	1	YPSIL0317	-		09/12/23 11:48	2	43	Equipment
SAIDI-01	SAIDI	1	YPSIL0317	-		10/12/23 14:11	2	448	Other

SAIDI-01	SAIDI	1	YPSIL0317	-		12/03/23 18:36	1	18	Wildlife
SAIDI-01	SAIDI	1	YPSIL0317	-		12/09/23 15:42	1	9	Other
SAIDI-01	SAIDI	1	YPSIL0317	-		12/15/23 12:10	1	372	Other
SAIDI-01	SAIDI	1	YPSIL0317	-		12/23/23 14:37	1	11	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		01/01/23 09:10	1	137	Equipment
SAIDI-02	SAIDI	2	KNGSY0330	-		01/08/23 10:39	1	82	Equipment
SAIDI-02	SAIDI	2	KNGSY0330	-		01/11/23 10:18	2	33	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		02/02/23 12:01	1	58	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		02/02/23 12:01	269	15,529	Equipment
SAIDI-02	SAIDI	2	KNGSY0330	-		02/02/23 12:01	1	58	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		02/02/23 12:01	1	58	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		02/13/23 12:58	1	18	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	02/22/23 21:30	497	2,903,057	Weather
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	02/22/23 23:59	1	5,347	Weather
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	02/23/23 10:12	1	5	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	02/23/23 11:01	1	232	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	02/23/23 12:37	1	5	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	02/23/23 13:12	1	5,919	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	02/24/23 05:07	154	788,813	Weather
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	02/24/23 05:08	2	9,958	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	02/24/23 13:11	1	3,148	Other
SAIDI-02	SAIDI	2	KNGSY0330	-	Cat	02/26/23 12:38	1	266	Weather
SAIDI-02	SAIDI	2	KNGSY0330	-	Cat	02/26/23 17:59	1	1,277	Other
SAIDI-02	SAIDI	2	KNGSY0330	-	Cat	02/26/23 18:00	1	1,276	Other
SAIDI-02	SAIDI	2	KNGSY0330	-	Cat	02/28/23 12:39	1	33	Other
SAIDI-02	SAIDI	2	KNGSY0330	-	Cat	03/01/23 13:54	1	1,774	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	03/03/23 20:06	1	2,771	Weather
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	03/03/23 20:50	1	2,501	Weather
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	03/04/23 00:44	1	3,853	Weather
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	03/04/23 07:55	1	458	Weather
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	03/05/23 02:29	1	2,307	Weather
SAIDI-02	SAIDI	2	KNGSY0330	-	Cat	03/06/23 15:03	1	112	Weather
SAIDI-02	SAIDI	2	KNGSY0330	-		03/08/23 10:50	1	33	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		03/08/23 10:50	1	34	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		03/12/23 19:47	82	7,392	Equipment
SAIDI-02	SAIDI	2	KNGSY0330	-		03/12/23 19:47	5	451	Equipment
SAIDI-02	SAIDI	2	KNGSY0330	-		03/13/23 10:25	273	23,023	Equipment
SAIDI-02	SAIDI	2	KNGSY0330	-		03/16/23 11:57	3	33	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		03/16/23 11:57	1	11	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		03/16/23 11:57	1	11	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		04/05/23 13:07	1	49	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		04/21/23 18:19	1	42	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		04/22/23 15:37	1	238	Other

SAIDI-02	SAIDI	2	KNGSY0330	-		04/24/23 09:22	1	7	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		05/01/23 11:10	1	105	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		05/01/23 11:47	1	387	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		05/10/23 11:44	1	158	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		05/10/23 23:14	25	1,846	Equipment
SAIDI-02	SAIDI	2	KNGSY0330	-		05/11/23 15:19	1	32	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		05/16/23 09:05	1	60	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		05/16/23 09:52	1	340	Equipment
SAIDI-02	SAIDI	2	KNGSY0330	-		05/16/23 12:31	1	88	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		05/17/23 09:11	1	30	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		05/17/23 09:16	1	87	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		06/11/23 08:32	1	81	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		06/22/23 14:11	1	8	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Small	06/25/23 18:18	1	24	Weather
SAIDI-02	SAIDI	2	KNGSY0330	-		07/16/23 10:41	1	11	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED		07/20/23 02:00	1	105	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED		07/20/23 02:00	80	8,394	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Small	07/20/23 15:31	1	461	Other
SAIDI-02	SAIDI	2	KNGSY0330	-	Small	07/23/23 13:00	2	340	Vegetation
SAIDI-02	SAIDI	2	KNGSY0330	-	Small	07/23/23 13:01	3	17	Other
SAIDI-02	SAIDI	2	KNGSY0330	-	Small	07/23/23 14:06	1	109	Other
SAIDI-02	SAIDI	2	KNGSY0330	-	Small	07/23/23 14:10	1	101	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		07/23/23 23:35	2	1,689	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		07/23/23 23:35	1	844	Equipment
SAIDI-02	SAIDI	2	KNGSY0330	-		07/23/23 23:35	1	844	Equipment
SAIDI-02	SAIDI	2	KNGSY0330	-		07/24/23 11:00	1	36	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/26/23 17:11	6	212	Vegetation
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/26/23 17:59	60	8,531	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/26/23 19:15	1	31	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/26/23 23:37	3	62	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/26/23 23:47	222	100,145	Vegetation
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/27/23 07:35	1	7	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/27/23 08:36	1	149	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/27/23 12:38	1	86	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/27/23 13:30	10	260	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/27/23 14:49	6	163	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/27/23 15:35	2	14	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/27/23 16:11	1	11	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/28/23 02:33	1	17	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/28/23 03:19	3	49	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/28/23 04:08	1	644	Weather
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/28/23 04:08	644	304,007	Vegetation
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/28/23 04:08	12	5,973	Vegetation

SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/28/23 04:08	1	644	Weather
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/28/23 04:08	1	591	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/28/23 04:08	4	2,575	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/28/23 04:08	1	591	Weather
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	07/28/23 04:08	1	591	Weather
SAIDI-02	SAIDI	2	KNGSY0330	-	Cat	07/29/23 04:35	1	2,349	Other
SAIDI-02	SAIDI	2	KNGSY0330	-	Cat	07/29/23 04:35	1	2,349	Weather
SAIDI-02	SAIDI	2	KNGSY0330	-	Cat	07/29/23 04:36	1	2,349	Weather
SAIDI-02	SAIDI	2	KNGSY0330	-	Cat	07/29/23 04:36	4	9,396	Vegetation
SAIDI-02	SAIDI	2	KNGSY0330	-	Cat	07/29/23 04:36	596	1,395,078	Vegetation
SAIDI-02	SAIDI	2	KNGSY0330	-	Cat	07/29/23 04:36	4	9,396	Vegetation
SAIDI-02	SAIDI	2	KNGSY0330	-	Cat	07/29/23 04:36	2	4,698	Vegetation
SAIDI-02	SAIDI	2	KNGSY0330	-	Cat	07/29/23 04:36	1	2,349	Weather
SAIDI-02	SAIDI	2	KNGSY0330	-		08/11/23 12:12	1	34	Planned
SAIDI-02	SAIDI	2	KNGSY0330	-		08/13/23 13:22	2	161	Equipment
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	08/24/23 02:58	1	736	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	08/24/23 21:54	3	22	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	08/24/23 22:04	1	2,376	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	08/24/23 22:15	3	3,342	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	08/24/23 22:18	54	207,515	Weather
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	08/24/23 22:18	25	96,071	Weather
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	08/24/23 22:18	4	15,372	Weather
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	08/25/23 06:05	3	18	Other
SAIDI-02	SAIDI	2	KNGSY0330	MED	Cat	08/26/23 02:21	2	2,088	Weather
SAIDI-02	SAIDI	2	KNGSY0330	-		09/11/23 13:26	1	95	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		09/14/23 11:09	1	124	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		09/14/23 16:30	2	178	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		09/24/23 22:37	1	891	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		10/02/23 12:49	1	71	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		10/02/23 12:50	1	69	Planned
SAIDI-02	SAIDI	2	KNGSY0330	-		10/10/23 10:00	2	305	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		10/11/23 16:06	83	8,665	Planned
SAIDI-02	SAIDI	2	KNGSY0330	-		10/14/23 09:32	1	5	Equipment
SAIDI-02	SAIDI	2	KNGSY0330	-		10/18/23 12:24	1	90	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/01/23 09:02	1	103	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/04/23 10:35	1	58	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/08/23 10:38	1	49	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/08/23 21:44	1	294	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/10/23 09:19	1	91	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/11/23 13:23	1	21	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/14/23 09:23	1	27	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/15/23 08:25	1	96	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/19/23 09:40	2	50	Other

SAIDI-02	SAIDI	2	KNGSY0330	-		11/20/23 09:19	1	19	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/22/23 09:46	1	220	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/22/23 11:43	1	16	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/23/23 10:04	1	90	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/23/23 13:47	1	29	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/28/23 11:06	1	153	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		11/30/23 11:43	1	120	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		12/06/23 12:22	2	403	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		12/08/23 10:12	1	334	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		12/11/23 14:35	1	6	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		12/24/23 06:01	39	5,084	Equipment
SAIDI-02	SAIDI	2	KNGSY0330	-		12/24/23 06:01	6	524	Other
SAIDI-02	SAIDI	2	KNGSY0330	-		12/31/23 13:15	1	285	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		01/01/23 01:54	170	90,380	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		01/01/23 07:57	228	38,490	Equipment
SAIDI-03	SAIDI	3	ARGO 0326	-		01/09/23 10:27	1	54	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		01/09/23 10:28	3	236	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		01/10/23 10:27	13	1,265	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		01/10/23 12:56	3	200	Equipment
SAIDI-03	SAIDI	3	ARGO 0326	-		01/11/23 10:17	7	441	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		01/11/23 12:34	10	720	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		01/12/23 10:42	1	20	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		01/12/23 10:42	5	100	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		01/18/23 10:17	3	468	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		01/24/23 10:21	8	946	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		01/30/23 09:55	13	1,698	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		02/01/23 15:02	1	36	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		02/01/23 15:02	395	14,106	Equipment
SAIDI-03	SAIDI	3	ARGO 0326	-		02/01/23 15:03	1	36	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		02/04/23 08:36	1	36	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		02/06/23 10:02	10	839	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		02/06/23 10:02	2	168	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		02/07/23 10:17	14	1,290	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		02/10/23 13:04	3	279	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		02/14/23 10:03	4	721	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		02/17/23 10:12	1	154	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		02/18/23 10:28	6	672	Planned
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	02/22/23 21:20	1	5,365	Other
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	02/22/23 22:37	1	1,124	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	02/23/23 10:40	1	323	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	02/23/23 12:22	6	27,361	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	02/23/23 20:40	377	114,541	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	02/24/23 02:52	355	1,329,035	Weather

SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	02/24/23 02:52	27	97,019	Weather
SAIDI-03	SAIDI	3	ARGO 0326	-	Cat	02/26/23 16:36	1	2,598	Other
SAIDI-03	SAIDI	3	ARGO 0326	-	Cat	03/01/23 11:21	1	324	Weather
SAIDI-03	SAIDI	3	ARGO 0326	-	Cat	03/01/23 11:40	1	43	Other
SAIDI-03	SAIDI	3	ARGO 0326	-	Cat	03/01/23 18:03	5	258	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	03/03/23 15:30	1	31	Other
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	03/03/23 21:54	1	2,481	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	03/04/23 03:42	1	595	Weather
SAIDI-03	SAIDI	3	ARGO 0326	-		04/15/23 23:43	4	719	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		04/15/23 23:43	9	1,656	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		04/17/23 12:26	7	155	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		04/20/23 09:06	1	11	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		04/21/23 07:50	1	77	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		04/23/23 09:04	1	174	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		04/23/23 09:04	3	522	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		04/28/23 10:29	1	7	Equipment
SAIDI-03	SAIDI	3	ARGO 0326	-		05/04/23 09:27	1	90	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		05/04/23 16:27	1	101	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		05/10/23 18:17	1	19	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		05/17/23 09:57	1	269	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		05/19/23 23:06	42	17,137	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		05/19/23 23:10	1	338	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		05/19/23 23:10	1	338	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		05/19/23 23:10	43	15,657	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		05/19/23 23:10	26	8,788	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		05/19/23 23:10	193	81,493	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		05/19/23 23:10	20	6,829	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		05/19/23 23:10	67	22,645	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		05/30/23 01:49	1	534	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		05/30/23 01:49	1	534	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		05/30/23 01:49	2	1,066	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		05/30/23 01:49	1	534	Equipment
SAIDI-03	SAIDI	3	ARGO 0326	-		05/30/23 01:49	27	18,091	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		05/30/23 01:49	324	172,903	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		05/30/23 01:49	1	533	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		05/30/23 01:49	1	534	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		05/30/23 01:49	7	5,168	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		05/30/23 01:49	28	18,351	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		06/01/23 14:44	1	203	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		06/08/23 13:40	2	484	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		06/15/23 17:28	396	97,681	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		06/17/23 16:42	1	6	Equipment
SAIDI-03	SAIDI	3	ARGO 0326	MED	Small	06/25/23 18:12	2	11,418	Weather

SAIDI-03	SAIDI	3	ARGO 0326	MED	Small	06/25/23 18:12	18	43,672	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Small	06/25/23 18:12	3	6,684	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Small	06/25/23 18:12	1	2,699	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Small	06/25/23 18:27	2	6,587	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Small	06/25/23 18:40	366	424,422	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Small	06/25/23 18:40	1	3,890	Lightning
SAIDI-03	SAIDI	3	ARGO 0326	MED	Small	06/25/23 18:40	1	3,890	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Small	06/25/23 18:42	1	1,165	Other
SAIDI-03	SAIDI	3	ARGO 0326	MED	Small	06/25/23 18:43	1	1,164	Weather
SAIDI-03	SAIDI	3	ARGO 0326	-		07/03/23 16:52	9	393	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		07/07/23 22:20	1	92	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		07/15/23 07:50	1	1,844	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	07/26/23 15:01	1	2,602	Other
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	07/26/23 15:01	65	166,873	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	07/26/23 15:05	14	36,366	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	07/28/23 11:45	3	302	Weather
SAIDI-03	SAIDI	3	ARGO 0326	-	Cat	07/28/23 18:01	9	25,829	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-	Cat	07/28/23 18:01	14	40,180	Vegetation
SAIDI-03	SAIDI	3	ARGO 0326	-		08/01/23 11:41	1	49	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		08/02/23 14:33	1	14	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		08/05/23 17:45	1	7	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		08/11/23 10:39	1	249	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		08/11/23 10:39	1	249	Other
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	08/24/23 06:06	4	23	Other
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	08/24/23 07:21	1	413	Equipment
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	08/24/23 07:22	1	413	Equipment
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	08/24/23 08:29	2	1,324	Other
SAIDI-03	SAIDI	3	ARGO 0326	-	Cat	08/24/23 08:30	1	662	Other
SAIDI-03	SAIDI	3	ARGO 0326	-	Cat	08/24/23 08:30	1	662	Other
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	08/24/23 22:07	19	68,929	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	08/24/23 22:42	75	56,201	Other
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	08/25/23 08:30	3	148	Equipment
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	08/25/23 08:30	1	71	Other
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	08/25/23 09:23	2	77	Lightning
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	08/25/23 10:15	2	12	Other
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	08/25/23 17:37	7	57	Weather
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	08/25/23 21:22	8	45	Other
SAIDI-03	SAIDI	3	ARGO 0326	MED	Cat	08/26/23 05:53	14	294	Other
SAIDI-03	SAIDI	3	ARGO 0326	-	Cat	08/26/23 09:10	53	32,872	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		09/05/23 03:58	33	2,845	Equipment
SAIDI-03	SAIDI	3	ARGO 0326	-		09/11/23 12:23	60	6,875	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		09/15/23 11:09	1	327	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		09/19/23 10:16	1	202	Other

SAIDI-03	SAIDI	3	ARGO 0326	-		09/21/23 10:54	1	333	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		09/22/23 15:20	1	6	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		09/26/23 09:45	1	285	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		09/26/23 11:06	8	791	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		09/27/23 10:08	10	907	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		09/30/23 09:50	9	1,489	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		09/30/23 09:50	6	991	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		10/06/23 09:09	16	495	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		10/10/23 11:29	6	969	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		10/10/23 11:39	7	754	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		10/13/23 08:49	1	283	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		10/16/23 11:12	13	1,822	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		10/18/23 10:49	1	11	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		10/18/23 10:49	9	103	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		10/21/23 11:44	10	1,024	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		10/23/23 11:49	6	513	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		10/30/23 09:48	1	59	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		10/30/23 10:01	1	81	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		10/31/23 08:34	1	21	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		11/01/23 10:06	38	5,485	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/02/23 12:05	3	482	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/09/23 11:42	9	1,324	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/10/23 10:36	1	435	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		11/11/23 09:43	2	222	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		11/11/23 09:43	2	222	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/11/23 09:43	2	222	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/13/23 09:22	1	203	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		11/20/23 12:02	7	261	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/20/23 12:02	3	126	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/22/23 09:26	1	393	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		11/27/23 11:04	2	195	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/27/23 11:16	2	318	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		11/27/23 11:28	1	221	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/27/23 11:28	1	221	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/28/23 11:25	1	104	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/28/23 11:25	2	208	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		11/28/23 11:25	1	104	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/28/23 11:25	2	208	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		11/29/23 10:39	1	29	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/29/23 10:39	27	789	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/29/23 10:39	2	57	Other
SAIDI-03	SAIDI	3	ARGO 0326	-		11/29/23 10:40	11	309	Planned
SAIDI-03	SAIDI	3	ARGO 0326	-		11/29/23 10:40	14	394	Planned

SAIDI-03	SAIDI	3	ARGO 0326	-		11/29/23 10:40	1	28	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		01/01/23 01:04	696	612,258	Equipment
SAIDI-04	SAIDI	4	SNOVR0302	-		01/01/23 01:04	1	2,206	Equipment
SAIDI-04	SAIDI	4	SNOVR0302	-		01/01/23 19:23	2	2,225	Equipment
SAIDI-04	SAIDI	4	SNOVR0302	-		01/01/23 23:47	1	7	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		01/02/23 13:26	1	24	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		01/02/23 13:42	3	904	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		01/03/23 04:12	811	19,420	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		01/03/23 16:49	1	37	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		01/03/23 16:49	1	37	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		01/03/23 16:49	1	37	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		01/11/23 21:01	1	6	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		02/04/23 11:14	1	157	Equipment
SAIDI-04	SAIDI	4	SNOVR0302	-		03/15/23 18:43	1	9	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		03/30/23 07:29	1	318	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		03/31/23 22:34	1	1,362	Equipment
SAIDI-04	SAIDI	4	SNOVR0302	-		04/01/23 10:31	47	9,998	Weather
SAIDI-04	SAIDI	4	SNOVR0302	-		04/01/23 10:31	20	4,090	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		04/05/23 11:08	1	13	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		04/24/23 11:50	1	28	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		04/24/23 13:31	1	11	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		04/24/23 13:34	1	11	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		04/25/23 09:36	1	145	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		04/26/23 09:35	2	25	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		04/26/23 10:26	1	26	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		04/26/23 11:27	1	51	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/01/23 09:29	1	30	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/01/23 10:31	1	23	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/01/23 11:03	1	29	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/01/23 13:57	1	99	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/04/23 10:25	1	18	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/04/23 11:06	1	16	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/04/23 14:20	1	18	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/04/23 15:13	1	16	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		05/08/23 09:48	1	28	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/08/23 13:45	1	13	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/08/23 14:31	1	30	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/09/23 11:46	1	28	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/09/23 12:40	1	23	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/09/23 15:16	1	16	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/10/23 09:53	1	36	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/10/23 12:09	1	8	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/10/23 12:09	4	36	Other

SAIDI-04	SAIDI	4	SNOVR0302	-		05/10/23 14:10	1	34	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/10/23 15:15	1	7	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		05/11/23 08:38	1	6	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		05/11/23 09:20	1	25	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/19/23 09:21	1	23	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/19/23 10:16	1	51	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		05/19/23 11:15	1	26	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/19/23 12:05	1	95	Equipment
SAIDI-04	SAIDI	4	SNOVR0302	-		05/20/23 08:54	1	135	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/22/23 09:30	1	20	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/22/23 10:32	1	14	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		05/22/23 10:45	1	42	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/22/23 11:13	1	6	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/22/23 11:29	1	26	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		05/22/23 12:26	1	14	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		05/23/23 09:35	1	42	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/23/23 09:53	2	116	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/23/23 11:47	2	48	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		05/23/23 11:47	1	24	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/23/23 12:46	1	18	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/23/23 13:37	1	20	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/23/23 13:37	1	20	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		05/24/23 09:00	1	25	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		05/24/23 10:32	1	55	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		05/24/23 10:33	6	328	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		06/01/23 13:12	1	94	Planned
SAIDI-04	SAIDI	4	SNOVR0302	-		06/06/23 08:11	1	108	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		06/30/23 01:20	5	2,744	Vegetation
SAIDI-04	SAIDI	4	SNOVR0302	-		07/11/23 11:52	1	15	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		07/13/23 01:28	1	937	Weather
SAIDI-04	SAIDI	4	SNOVR0302	-		07/13/23 01:37	4	3,680	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		07/13/23 13:26	1	41	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		07/17/23 11:45	2	71	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		07/17/23 11:45	1	36	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		07/25/23 09:51	1	53	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		08/08/23 14:23	338	83,884	Equipment
SAIDI-04	SAIDI	4	SNOVR0302	MED	Cat	08/24/23 20:06	1	6	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		09/18/23 10:44	1	13	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		09/18/23 12:15	1	34	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		09/19/23 10:47	2	15	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		09/28/23 09:57	5	222	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		10/18/23 15:39	74	9,897	Equipment
SAIDI-04	SAIDI	4	SNOVR0302	-		10/18/23 15:39	1	106	Other

SAIDI-04	SAIDI	4	SNOVR0302	-		10/23/23 12:43	1	41	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		11/09/23 12:59	1	12	Vegetation
SAIDI-04	SAIDI	4	SNOVR0302	-		11/09/23 22:14	1	704	Equipment
SAIDI-04	SAIDI	4	SNOVR0302	-		11/10/23 20:57	5	43	Other
SAIDI-04	SAIDI	4	SNOVR0302	-		11/21/23 07:11	1	294	Equipment
SAIDI-05	SAIDI	5	APLGT0311	-		01/06/23 17:24	1	11	Other
SAIDI-05	SAIDI	5	APLGT0311	-		01/16/23 15:27	1	17	Other
SAIDI-05	SAIDI	5	APLGT0311	-		02/02/23 11:35	2	1,451	Other
SAIDI-05	SAIDI	5	APLGT0311	-		02/12/23 08:00	1	17	Other
SAIDI-05	SAIDI	5	APLGT0311	-		02/12/23 15:54	1	64	Other
SAIDI-05	SAIDI	5	APLGT0311	-	Small	02/16/23 21:50	1	2,286	Weather
SAIDI-05	SAIDI	5	APLGT0311	-		02/18/23 11:03	2	74	Other
SAIDI-05	SAIDI	5	APLGT0311	-		02/18/23 11:03	35	1,295	Planned
SAIDI-05	SAIDI	5	APLGT0311	MED	Cat	02/27/23 15:49	1	1,632	Other
SAIDI-05	SAIDI	5	APLGT0311	MED	Cat	03/04/23 00:02	2	4,296	Weather
SAIDI-05	SAIDI	5	APLGT0311	-		03/16/23 11:27	1	72	Other
SAIDI-05	SAIDI	5	APLGT0311	-	Small	03/27/23 10:59	1	46	Other
SAIDI-05	SAIDI	5	APLGT0311	-	Small	03/27/23 10:59	1	46	Other
SAIDI-05	SAIDI	5	APLGT0311	-		04/10/23 10:21	3	68	Other
SAIDI-05	SAIDI	5	APLGT0311	-		04/10/23 11:17	1	224	Other
SAIDI-05	SAIDI	5	APLGT0311	-		04/30/23 08:37	2	532	Other
SAIDI-05	SAIDI	5	APLGT0311	-		04/30/23 08:37	1	270	Equipment
SAIDI-05	SAIDI	5	APLGT0311	-		06/10/23 07:54	1	745	Other
SAIDI-05	SAIDI	5	APLGT0311	-		06/19/23 10:05	1	12	Other
SAIDI-05	SAIDI	5	APLGT0311	-		06/19/23 15:42	1	119	Equipment
SAIDI-05	SAIDI	5	APLGT0311	-		07/06/23 13:26	1	36	Other
SAIDI-05	SAIDI	5	APLGT0311	-		07/14/23 15:58	1	1,560	Other
SAIDI-05	SAIDI	5	APLGT0311	-		07/14/23 15:58	1	1,560	Other
SAIDI-05	SAIDI	5	APLGT0311	-		07/14/23 15:58	1	1,560	Other
SAIDI-05	SAIDI	5	APLGT0311	-		07/14/23 15:58	1	1,560	Other
SAIDI-05	SAIDI	5	APLGT0311	-		07/14/23 15:58	60	127,013	Weather
SAIDI-05	SAIDI	5	APLGT0311	-		07/14/23 15:58	1	1,560	Other
SAIDI-05	SAIDI	5	APLGT0311	-		07/14/23 15:58	1	1,560	Other
SAIDI-05	SAIDI	5	APLGT0311	-		07/14/23 15:58	1	1,560	Other
SAIDI-05	SAIDI	5	APLGT0311	-		07/14/23 15:58	1	1,560	Other
SAIDI-05	SAIDI	5	APLGT0311	-		07/14/23 15:58	1	1,560	Other
SAIDI-05	SAIDI	5	APLGT0311	-		07/14/23 21:31	8	9,817	Other
SAIDI-05	SAIDI	5	APLGT0311	-		07/15/23 11:19	3	1,197	Other
SAIDI-05	SAIDI	5	APLGT0311	-		07/17/23 16:48	9	2,428	Other
SAIDI-05	SAIDI	5	APLGT0311	-		07/17/23 16:48	100	23,453	Vegetation
SAIDI-05	SAIDI	5	APLGT0311	-		07/17/23 16:49	2	539	Weather
SAIDI-05	SAIDI	5	APLGT0311	-		07/19/23 11:02	4	569	Other
SAIDI-05	SAIDI	5	APLGT0311	-		08/03/23 09:38	1	65	Other

SAIDI-05	SAIDI	5	APLGT0311	-		08/04/23 14:28	1	181	Other
SAIDI-05	SAIDI	5	APLGT0311	-		08/08/23 15:51	1	1,334	Other
SAIDI-05	SAIDI	5	APLGT0311	-		08/08/23 15:51	446	595,431	Equipment
SAIDI-05	SAIDI	5	APLGT0311	-		11/29/23 13:03	1	190	Other
SAIDI-05	SAIDI	5	APLGT0311	-		11/29/23 14:01	1	27	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		01/04/23 11:14	12	2,040	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-		01/13/23 08:39	1	151	Weather
SAIDI-06	SAIDI	6	LEXTN8770	-		01/16/23 09:22	1	105	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		01/16/23 09:23	1	105	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		01/23/23 21:23	3	947	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		01/23/23 22:42	17	266	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		01/23/23 22:42	4	62	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		01/23/23 22:42	10	156	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		01/23/23 22:42	45	702	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		01/23/23 22:42	1	16	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		01/23/23 22:42	2	31	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		01/23/23 22:42	3	47	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		01/24/23 10:55	1	14	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		01/26/23 10:40	1	5	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		01/30/23 01:03	1	9	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		02/04/23 13:20	1	129	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		02/04/23 13:20	1	129	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		02/06/23 18:36	1	45	Wildlife
SAIDI-06	SAIDI	6	LEXTN8770	-		02/09/23 11:14	1	23	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		02/09/23 16:01	2	64	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		02/14/23 08:51	2	167	Wildlife
SAIDI-06	SAIDI	6	LEXTN8770	-	Small	02/15/23 12:13	1	991	Weather
SAIDI-06	SAIDI	6	LEXTN8770	-	Small	02/15/23 12:13	25	24,772	Weather
SAIDI-06	SAIDI	6	LEXTN8770	-		02/18/23 11:03	3	111	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-		02/20/23 13:05	1	68	Other
SAIDI-06	SAIDI	6	LEXTN8770	MED	Cat	02/24/23 03:51	1	513	Weather
SAIDI-06	SAIDI	6	LEXTN8770	-	Cat	02/28/23 08:05	1	257	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	Cat	02/28/23 12:44	1	8	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	Cat	02/28/23 14:12	1	15	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	Cat	03/02/23 10:25	1	34	Other
SAIDI-06	SAIDI	6	LEXTN8770	MED	Cat	03/03/23 21:43	1	2,348	Weather
SAIDI-06	SAIDI	6	LEXTN8770	-	Cat	03/05/23 22:52	2	1,346	Weather
SAIDI-06	SAIDI	6	LEXTN8770	-		03/17/23 15:15	1	70	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		04/03/23 10:11	1	159	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		04/04/23 11:29	1	46	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		04/05/23 21:54	1	1,142	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		04/05/23 22:08	1	803	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		04/07/23 12:25	1	9	Other

SAIDI-06	SAIDI	6	LEXTN8770	-	04/08/23 22:20	5	900	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-	04/12/23 13:55	1	86	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	04/16/23 09:16	1	81	Wildlife
SAIDI-06	SAIDI	6	LEXTN8770	-	04/18/23 11:49	1	15	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	04/22/23 14:37	1	1,552	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	04/24/23 10:19	1	20	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	04/24/23 12:13	1	35	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-	04/25/23 10:00	1	49	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-	04/25/23 11:36	1	32	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-	04/25/23 12:37	1	15	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	04/26/23 09:37	1	99	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-	04/28/23 08:31	1	28	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	04/28/23 10:48	1	10	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	04/28/23 10:48	1	10	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-	04/29/23 11:58	1	201	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	04/29/23 21:48	1	81	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-	05/01/23 10:46	4	564	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-	05/04/23 08:34	3	453	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-	05/04/23 10:14	1	81	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/04/23 12:30	1	214	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/04/23 19:03	1	370	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/05/23 19:47	1	72	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/06/23 09:22	1	18	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/07/23 00:25	3	65	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-	05/07/23 03:05	3	34	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/07/23 08:58	1	170	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/08/23 09:58	1	25	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/08/23 11:08	1	109	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/08/23 13:27	1	7	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/08/23 13:51	1	42	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/10/23 09:11	4	288	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-	05/11/23 12:22	1	7	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/16/23 08:10	1	155	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/16/23 10:35	2	304	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/17/23 08:49	1	426	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/17/23 10:28	2	213	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-	05/17/23 10:54	439	86,700	Vegetation
SAIDI-06	SAIDI	6	LEXTN8770	-	05/17/23 14:46	1	633	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-	05/18/23 20:50	1	19	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/22/23 07:29	1	174	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/22/23 08:24	1	132	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/22/23 14:59	1	77	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	05/26/23 12:34	1	65	Planned

SAIDI-06	SAIDI	6	LEXTN8770	-	05/27/23 10:18	1	304	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	06/01/23 10:42	1	5	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	06/01/23 11:47	96	9,474	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-	06/02/23 12:13	1	11	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	06/02/23 12:59	1	66	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	06/05/23 10:16	1	517	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	06/05/23 19:56	1	13	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	06/07/23 09:19	1	116	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	06/09/23 09:28	1	216	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	06/15/23 18:11	1	138	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	06/15/23 18:11	1	138	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	06/21/23 11:28	1	42	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	06/22/23 08:39	1	217	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	06/22/23 09:42	1	74	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-	06/23/23 09:25	1	14	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	06/23/23 19:43	1	1,321	Wildlife
SAIDI-06	SAIDI	6	LEXTN8770	-	06/23/23 19:43	23	30,392	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-	06/23/23 19:43	6	7,928	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	06/23/23 19:43	3,030	4,004,995	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-	06/23/23 19:43	3	3,964	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-	06/23/23 19:43	1	1,321	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	07/01/23 18:09	1	33	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	07/03/23 09:56	1	53	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	07/04/23 10:12	2	99	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	07/07/23 09:03	1	17	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	07/11/23 12:55	14	2,978	Lightning
SAIDI-06	SAIDI	6	LEXTN8770	-	07/11/23 12:55	15	3,190	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	MED	07/11/23 14:41	4	1,010	Other
SAIDI-06	SAIDI	6	LEXTN8770	MED	07/11/23 14:41	1	334	Weather
SAIDI-06	SAIDI	6	LEXTN8770	MED	07/11/23 14:41	1	334	Weather
SAIDI-06	SAIDI	6	LEXTN8770	-	07/14/23 15:34	1	2,879	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	07/14/23 15:34	292	523,246	Weather
SAIDI-06	SAIDI	6	LEXTN8770	-	07/14/23 15:43	7	17,523	Power Supply
SAIDI-06	SAIDI	6	LEXTN8770	-	07/14/23 15:43	1	4,336	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	07/14/23 15:43	2	8,672	Vegetation
SAIDI-06	SAIDI	6	LEXTN8770	-	07/14/23 15:43	1	4,019	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-	07/14/23 15:44	6	6,732	Weather
SAIDI-06	SAIDI	6	LEXTN8770	-	07/14/23 15:44	2	2,244	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-	07/14/23 15:44	1	1,122	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	07/14/23 15:49	1	266	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-	07/14/23 15:49	30	25,965	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-	07/14/23 15:50	4	5,345	Other

SAIDI-06	SAIDI	6	LEXTN8770	-		07/14/23 17:29	408	93,367	Weather
SAIDI-06	SAIDI	6	LEXTN8770	-		07/14/23 17:29	3	501	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		07/14/23 20:30	1	1,216	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		07/14/23 21:31	2	2,454	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		07/14/23 21:35	1	165	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		07/16/23 12:37	5	1,047	Power Supply
SAIDI-06	SAIDI	6	LEXTN8770	-		07/16/23 12:37	5	1,047	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		07/16/23 12:37	1	209	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		07/16/23 12:37	13	2,722	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		07/16/23 12:37	1	209	Power Supply
SAIDI-06	SAIDI	6	LEXTN8770	-		07/16/23 12:37	1	209	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		07/16/23 12:37	1	209	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		07/16/23 16:17	1	10	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		07/18/23 12:52	22	10,018	Weather
SAIDI-06	SAIDI	6	LEXTN8770	MED		07/20/23 13:45	1	15	Other
SAIDI-06	SAIDI	6	LEXTN8770	MED	Small	07/20/23 16:04	3	4,364	Weather
SAIDI-06	SAIDI	6	LEXTN8770	-	Small	07/22/23 13:55	1	25	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	Small	07/23/23 11:49	1	5	Other
SAIDI-06	SAIDI	6	LEXTN8770	MED	Cat	07/26/23 14:41	1	2,688	Weather
SAIDI-06	SAIDI	6	LEXTN8770	MED	Cat	07/26/23 17:17	1	5	Other
SAIDI-06	SAIDI	6	LEXTN8770	MED	Cat	07/26/23 17:24	2	5,511	Lightning
SAIDI-06	SAIDI	6	LEXTN8770	MED	Cat	07/27/23 17:30	2	1,933	Wildlife
SAIDI-06	SAIDI	6	LEXTN8770	-	Cat	07/28/23 15:44	1	3,448	Weather
SAIDI-06	SAIDI	6	LEXTN8770	-	Cat	07/29/23 17:09	1	62	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	Cat	07/30/23 04:57	1	6	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		08/03/23 10:34	1	101	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		08/03/23 10:34	1	101	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		08/03/23 10:34	1	101	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		08/03/23 10:34	1	101	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		08/09/23 09:59	9	4,557	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		08/10/23 20:27	1	55	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		08/14/23 10:54	1	152	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		08/16/23 10:18	1	166	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		08/16/23 10:18	259	41,671	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-		08/16/23 10:18	1	166	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		08/16/23 10:18	3	370	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		08/19/23 12:42	1	61	Other
SAIDI-06	SAIDI	6	LEXTN8770	-	Cat	08/30/23 11:37	1	153	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		09/03/23 06:56	1	553	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		09/06/23 10:35	1	51	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		09/11/23 08:33	14	2,296	Vegetation
SAIDI-06	SAIDI	6	LEXTN8770	-		09/12/23 10:09	1	6	Other

SAIDI-06	SAIDI	6	LEXTN8770	-		09/16/23 14:04	1	739	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		09/30/23 10:41	1	95	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		10/05/23 10:20	1	8	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		10/05/23 10:59	2	112	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		10/05/23 13:34	1	9	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		10/08/23 19:35	8	837	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		10/15/23 23:13	663	163,645	Vegetation
SAIDI-06	SAIDI	6	LEXTN8770	-		10/18/23 08:39	1	113	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		10/19/23 13:11	1	251	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		10/21/23 13:02	2	506	Wildlife
SAIDI-06	SAIDI	6	LEXTN8770	-		10/26/23 10:53	1	1,752	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		11/11/23 12:33	1	101	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-		11/11/23 12:33	1	103	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		11/16/23 11:35	1	59	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-		11/16/23 11:35	2	151	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		11/17/23 10:34	1	209	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		11/27/23 07:31	2	736	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		11/27/23 07:31	1	368	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		11/27/23 08:59	1	166	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		11/27/23 09:04	1	64	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-		11/27/23 09:04	1	64	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		11/28/23 10:08	1	23	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		11/28/23 15:00	1	9	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		12/05/23 12:11	1	86	Planned
SAIDI-06	SAIDI	6	LEXTN8770	-		12/05/23 18:08	1	43	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		12/07/23 07:24	1	137	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		12/11/23 12:36	1	60	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		12/22/23 09:29	1	124	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		12/22/23 15:58	1	11	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		12/27/23 10:40	1	1,483	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		12/27/23 12:19	1	165	Other
SAIDI-06	SAIDI	6	LEXTN8770	-		12/28/23 04:06	2	691	Vegetation
SAIDI-06	SAIDI	6	LEXTN8770	-		12/28/23 04:06	1	345	Equipment
SAIDI-06	SAIDI	6	LEXTN8770	-		12/30/23 13:46	1	12	Other
SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	02/22/23 22:15	443	809,751	Weather
SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	02/22/23 22:15	1	1,467	Weather
SAIDI-07	SAIDI	7	NBOST0305	-	Cat	02/25/23 22:47	401	484,802	Weather
SAIDI-07	SAIDI	7	NBOST0305	-	Cat	02/25/23 22:47	9	34,357	Other
SAIDI-07	SAIDI	7	NBOST0305	-	Cat	02/25/23 22:47	1	3,965	Other
SAIDI-07	SAIDI	7	NBOST0305	-	Cat	02/25/23 22:47	1	4,328	Weather
SAIDI-07	SAIDI	7	NBOST0305	-	Cat	02/28/23 14:25	1	7	Other
SAIDI-07	SAIDI	7	NBOST0305	-	Cat	03/01/23 11:04	1	9	Other
SAIDI-07	SAIDI	7	NBOST0305	-	Cat	03/05/23 09:51	1	122	Weather

SAIDI-07	SAIDI	7	NBOST0305	-	Cat	03/07/23 08:51	1	7	Other
SAIDI-07	SAIDI	7	NBOST0305	-	Cat	03/07/23 16:07	1	26	Weather
SAIDI-07	SAIDI	7	NBOST0305	-		03/12/23 20:09	4	1,905	Other
SAIDI-07	SAIDI	7	NBOST0305	-		03/12/23 20:09	52	8,595	Other
SAIDI-07	SAIDI	7	NBOST0305	-		03/13/23 03:26	7	273	Other
SAIDI-07	SAIDI	7	NBOST0305	-		03/16/23 10:10	2	61	Planned
SAIDI-07	SAIDI	7	NBOST0305	-		03/18/23 18:33	1	25	Other
SAIDI-07	SAIDI	7	NBOST0305	-		03/19/23 08:54	1	192	Other
SAIDI-07	SAIDI	7	NBOST0305	-		04/04/23 15:01	1	25	Equipment
SAIDI-07	SAIDI	7	NBOST0305	-		04/05/23 14:43	2	212	Equipment
SAIDI-07	SAIDI	7	NBOST0305	-		04/10/23 14:19	444	77,333	Other
SAIDI-07	SAIDI	7	NBOST0305	-		04/10/23 14:19	1	174	Other
SAIDI-07	SAIDI	7	NBOST0305	-		04/20/23 12:16	1	88	Other
SAIDI-07	SAIDI	7	NBOST0305	-		04/23/23 22:08	1	272	Wildlife
SAIDI-07	SAIDI	7	NBOST0305	-		04/24/23 10:08	1	897	Other
SAIDI-07	SAIDI	7	NBOST0305	MED		05/31/23 14:42	1	302	Other
SAIDI-07	SAIDI	7	NBOST0305	MED		05/31/23 20:28	1	894	Other
SAIDI-07	SAIDI	7	NBOST0305	-		06/11/23 21:54	1	853	Other
SAIDI-07	SAIDI	7	NBOST0305	MED	Small	06/25/23 18:18	1	1,003	Other
SAIDI-07	SAIDI	7	NBOST0305	MED	Small	06/25/23 18:18	1	1,091	Weather
SAIDI-07	SAIDI	7	NBOST0305	MED	Small	06/25/23 18:18	442	443,584	Weather
SAIDI-07	SAIDI	7	NBOST0305	MED	Small	06/25/23 18:18	1	1,004	Other
SAIDI-07	SAIDI	7	NBOST0305	MED	Small	06/26/23 13:30	1	10	Weather
SAIDI-07	SAIDI	7	NBOST0305	-		07/18/23 14:48	1	5	Other
SAIDI-07	SAIDI	7	NBOST0305	-		07/18/23 14:48	1	5	Other
SAIDI-07	SAIDI	7	NBOST0305	-		07/18/23 14:48	1	5	Other
SAIDI-07	SAIDI	7	NBOST0305	-		07/18/23 14:48	7	36	Equipment
SAIDI-07	SAIDI	7	NBOST0305	-		07/18/23 14:48	1	5	Other
SAIDI-07	SAIDI	7	NBOST0305	-		07/18/23 14:48	410	2,081	Other
SAIDI-07	SAIDI	7	NBOST0305	-		07/18/23 14:48	1	5	Vegetation
SAIDI-07	SAIDI	7	NBOST0305	-		07/18/23 14:48	1	5	Other
SAIDI-07	SAIDI	7	NBOST0305	-		07/18/23 14:48	1	5	Other
SAIDI-07	SAIDI	7	NBOST0305	-		08/03/23 20:11	1	66	Other
SAIDI-07	SAIDI	7	NBOST0305	-		08/04/23 20:38	1	37	Other
SAIDI-07	SAIDI	7	NBOST0305	-		08/10/23 17:20	1	202	Other
SAIDI-07	SAIDI	7	NBOST0305	-		08/10/23 21:59	1	143	Other
SAIDI-07	SAIDI	7	NBOST0305	-		08/11/23 04:28	1	266	Other
SAIDI-07	SAIDI	7	NBOST0305	-		08/12/23 18:32	1	21	Other
SAIDI-07	SAIDI	7	NBOST0305	-		08/14/23 17:31	1	115	Other
SAIDI-07	SAIDI	7	NBOST0305	-		08/16/23 16:56	1	313	Other
SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	08/24/23 02:17	6	30,514	Vegetation
SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	08/24/23 02:17	9	41,080	Vegetation
SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	08/24/23 02:17	13	66,117	Vegetation

SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	08/24/23 02:17	2	10,171	Vegetation
SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	08/24/23 02:18	8	39,930	Vegetation
SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	08/24/23 02:24	4	1,966	Vegetation
SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	08/24/23 02:24	49	24,129	Equipment
SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	08/24/23 02:24	388	153,536	Weather
SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	08/24/23 02:24	1	492	Other
SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	08/24/23 22:35	2	13	Other
SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	08/25/23 07:01	2	7,203	Equipment
SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	08/25/23 07:01	1	3,601	Other
SAIDI-07	SAIDI	7	NBOST0305	MED	Cat	08/25/23 23:22	2	28	Other
SAIDI-07	SAIDI	7	NBOST0305	-	Cat	08/26/23 08:57	1	33	Equipment
SAIDI-07	SAIDI	7	NBOST0305	-	Cat	08/26/23 18:30	21	893	Vegetation
SAIDI-07	SAIDI	7	NBOST0305	-	Cat	08/26/23 23:50	2	18	Other
SAIDI-07	SAIDI	7	NBOST0305	-	Cat	08/27/23 02:52	1	512	Other
SAIDI-07	SAIDI	7	NBOST0305	-	Cat	08/27/23 20:16	1	14	Other
SAIDI-07	SAIDI	7	NBOST0305	-	Cat	08/30/23 11:01	1	14	Vegetation
SAIDI-07	SAIDI	7	NBOST0305	-		09/01/23 08:02	1	89	Other
SAIDI-07	SAIDI	7	NBOST0305	-		09/01/23 16:07	1	21	Other
SAIDI-07	SAIDI	7	NBOST0305	-		09/03/23 11:17	1	9	Other
SAIDI-07	SAIDI	7	NBOST0305	-		09/15/23 16:28	1	34	Other
SAIDI-07	SAIDI	7	NBOST0305	-		09/16/23 13:57	1	76	Other
SAIDI-07	SAIDI	7	NBOST0305	-		09/17/23 09:18	1	302	Other
SAIDI-07	SAIDI	7	NBOST0305	-		09/17/23 14:59	1	11	Other
SAIDI-07	SAIDI	7	NBOST0305	-		10/02/23 10:42	1	307	Other
SAIDI-07	SAIDI	7	NBOST0305	-		10/03/23 11:43	2	81	Other
SAIDI-07	SAIDI	7	NBOST0305	-		10/04/23 11:22	1	37	Other
SAIDI-07	SAIDI	7	NBOST0305	-		10/04/23 11:22	1	41	Planned
SAIDI-07	SAIDI	7	NBOST0305	-		10/04/23 11:22	2	78	Other
SAIDI-07	SAIDI	7	NBOST0305	-		10/06/23 10:21	890	65,473	Planned
SAIDI-07	SAIDI	7	NBOST0305	-		10/06/23 10:21	2	147	Other
SAIDI-07	SAIDI	7	NBOST0305	-		10/27/23 09:26	1	185	Other
SAIDI-07	SAIDI	7	NBOST0305	-		12/01/23 17:34	1	14	Other
SAIDI-07	SAIDI	7	NBOST0305	-		12/18/23 16:10	1	6	Other
SAIDI-07	SAIDI	7	NBOST0305	-		12/22/23 10:44	1	75	Other
SAIDI-07	SAIDI	7	NBOST0305	-		12/28/23 04:24	1	45	Other
SAIDI-08	SAIDI	8	PULFD2155	-		01/19/23 12:27	2	155	Vegetation
SAIDI-08	SAIDI	8	PULFD2155	-		02/03/23 09:02	1	18	Equipment
SAIDI-08	SAIDI	8	PULFD2155	-		02/09/23 12:17	1	41	Other
SAIDI-08	SAIDI	8	PULFD2155	-		02/09/23 14:04	1	11	Other
SAIDI-08	SAIDI	8	PULFD2155	-		02/09/23 16:27	1	86	Other
SAIDI-08	SAIDI	8	PULFD2155	MED		02/22/23 14:11	1	38	Other
SAIDI-08	SAIDI	8	PULFD2155	MED	Cat	02/22/23 20:57	1	1,051	Weather
SAIDI-08	SAIDI	8	PULFD2155	MED	Cat	02/27/23 10:39	1	7	Other

SAIDI-08	SAIDI	8	PULFD2155	-	Cat	03/02/23 17:53	1	37	Other
SAIDI-08	SAIDI	8	PULFD2155	MED	Cat	03/03/23 17:41	483	1,337,211	Weather
SAIDI-08	SAIDI	8	PULFD2155	MED	Cat	03/03/23 17:41	1	2,775	Weather
SAIDI-08	SAIDI	8	PULFD2155	MED	Cat	03/03/23 17:41	1	2,775	Other
SAIDI-08	SAIDI	8	PULFD2155	-	Cat	03/06/23 13:05	1	100	Weather
SAIDI-08	SAIDI	8	PULFD2155	-	Cat	03/06/23 16:43	1	453	Other
SAIDI-08	SAIDI	8	PULFD2155	-		03/13/23 13:22	1	195	Other
SAIDI-08	SAIDI	8	PULFD2155	-		03/17/23 11:51	1	7,842	Other
SAIDI-08	SAIDI	8	PULFD2155	-		03/23/23 02:19	1	27	Other
SAIDI-08	SAIDI	8	PULFD2155	-	Small	03/26/23 18:23	1	10	Other
SAIDI-08	SAIDI	8	PULFD2155	-	Small	03/26/23 18:23	1	11	Weather
SAIDI-08	SAIDI	8	PULFD2155	-		03/28/23 00:02	1	20	Equipment
SAIDI-08	SAIDI	8	PULFD2155	-		04/17/23 14:47	1	62	Other
SAIDI-08	SAIDI	8	PULFD2155	-		04/17/23 17:46	1	636	Other
SAIDI-08	SAIDI	8	PULFD2155	-		04/29/23 13:35	1	21	Other
SAIDI-08	SAIDI	8	PULFD2155	-		05/02/23 17:01	1	904	Other
SAIDI-08	SAIDI	8	PULFD2155	-		05/06/23 15:43	1	34	Other
SAIDI-08	SAIDI	8	PULFD2155	-		05/08/23 11:47	1	16	Other
SAIDI-08	SAIDI	8	PULFD2155	-		05/15/23 08:31	1	39	Other
SAIDI-08	SAIDI	8	PULFD2155	-		06/13/23 20:27	12	10,335	Vegetation
SAIDI-08	SAIDI	8	PULFD2155	-		06/13/23 20:27	9	7,737	Other
SAIDI-08	SAIDI	8	PULFD2155	-		06/14/23 19:21	1	14	Other
SAIDI-08	SAIDI	8	PULFD2155	-		06/19/23 09:45	1	137	Other
SAIDI-08	SAIDI	8	PULFD2155	-		06/21/23 19:56	1	457	Other
SAIDI-08	SAIDI	8	PULFD2155	-	Small	06/27/23 10:31	1	35	Other
SAIDI-08	SAIDI	8	PULFD2155	-		06/29/23 10:26	1	20	Other
SAIDI-08	SAIDI	8	PULFD2155	-		06/29/23 11:08	1	20	Other
SAIDI-08	SAIDI	8	PULFD2155	-		07/07/23 11:53	1	53	Other
SAIDI-08	SAIDI	8	PULFD2155	-		07/18/23 11:22	1	90	Other
SAIDI-08	SAIDI	8	PULFD2155	-		07/18/23 11:26	1	77	Planned
SAIDI-08	SAIDI	8	PULFD2155	MED	Cat	07/27/23 13:36	1	94	Other
SAIDI-08	SAIDI	8	PULFD2155	-	Cat	07/28/23 19:43	478	659,762	Weather
SAIDI-08	SAIDI	8	PULFD2155	-		08/12/23 21:59	35	14,237	Public
SAIDI-08	SAIDI	8	PULFD2155	-		08/12/23 22:00	43	10,632	Public
SAIDI-08	SAIDI	8	PULFD2155	-		08/12/23 22:01	1	7	Other
SAIDI-08	SAIDI	8	PULFD2155	-		08/12/23 23:37	17	12,469	Public
SAIDI-08	SAIDI	8	PULFD2155	-		08/12/23 23:37	8	8,297	Other
SAIDI-08	SAIDI	8	PULFD2155	-		08/19/23 19:04	1	16	Other
SAIDI-08	SAIDI	8	PULFD2155	MED	Cat	08/24/23 09:23	8	163	Vegetation
SAIDI-08	SAIDI	8	PULFD2155	MED	Cat	08/24/23 22:26	1	2,611	Weather
SAIDI-08	SAIDI	8	PULFD2155	MED	Cat	08/24/23 22:31	1	3,924	Weather
SAIDI-08	SAIDI	8	PULFD2155	MED	Cat	08/24/23 23:02	1	42	Other
SAIDI-08	SAIDI	8	PULFD2155	-	Cat	08/26/23 12:06	1	6	Other

SAIDI-08	SAIDI	8	PULFD2155	-	Cat	08/26/23 16:41	1	6	Other
SAIDI-08	SAIDI	8	PULFD2155	-	Cat	08/30/23 15:24	1	38	Other
SAIDI-08	SAIDI	8	PULFD2155	-	Cat	08/30/23 15:24	1	38	Other
SAIDI-08	SAIDI	8	PULFD2155	-		08/31/23 19:43	1	935	Other
SAIDI-08	SAIDI	8	PULFD2155	-		10/07/23 15:07	1	9	Other
SAIDI-08	SAIDI	8	PULFD2155	-		10/13/23 17:10	4	102	Equipment
SAIDI-08	SAIDI	8	PULFD2155	-		10/14/23 02:13	1	520	Other
SAIDI-08	SAIDI	8	PULFD2155	-		10/30/23 01:45	8	125	Vegetation
SAIDI-08	SAIDI	8	PULFD2155	-		11/12/23 10:33	1	32	Other
SAIDI-08	SAIDI	8	PULFD2155	-		11/17/23 08:13	1	8	Other
SAIDI-08	SAIDI	8	PULFD2155	-		11/22/23 10:13	1	34	Other
SAIDI-08	SAIDI	8	PULFD2155	-		11/22/23 10:13	1	62	Other
SAIDI-08	SAIDI	8	PULFD2155	-		11/22/23 11:08	1	48	Other
SAIDI-08	SAIDI	8	PULFD2155	-		11/26/23 11:09	1	5	Other
SAIDI-08	SAIDI	8	PULFD2155	-		11/30/23 18:04	1	8	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/02/23 09:39	3	92	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/02/23 11:18	3	226	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/04/23 09:25	5	283	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/04/23 12:27	7	471	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/05/23 10:19	12	524	Planned
SAIDI-08	SAIDI	8	PULFD2155	-		12/05/23 10:19	11	183	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/05/23 10:51	1	22	Planned
SAIDI-08	SAIDI	8	PULFD2155	-		12/06/23 09:23	8	350	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/06/23 09:23	6	242	Planned
SAIDI-08	SAIDI	8	PULFD2155	-		12/06/23 10:20	4	131	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/06/23 11:06	3	94	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/06/23 12:06	5	56	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/08/23 13:14	5	427	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/08/23 13:14	12	1,025	Planned
SAIDI-08	SAIDI	8	PULFD2155	-		12/08/23 13:14	2	171	Planned
SAIDI-08	SAIDI	8	PULFD2155	-		12/10/23 14:25	1	12	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/10/23 21:00	1	293	Equipment
SAIDI-08	SAIDI	8	PULFD2155	-		12/13/23 10:09	2	101	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/13/23 10:12	1	48	Planned
SAIDI-08	SAIDI	8	PULFD2155	-		12/13/23 10:23	1	33	Planned
SAIDI-08	SAIDI	8	PULFD2155	-		12/13/23 13:40	1	9	Planned
SAIDI-08	SAIDI	8	PULFD2155	-		12/13/23 13:40	1	9	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/14/23 09:11	1	134	Planned
SAIDI-08	SAIDI	8	PULFD2155	-		12/14/23 09:11	2	267	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/14/23 10:27	2	193	Planned
SAIDI-08	SAIDI	8	PULFD2155	-		12/14/23 10:27	2	194	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/14/23 11:55	2	66	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/14/23 12:14	6	495	Other

SAIDI-08	SAIDI	8	PULFD2155	-		12/14/23 14:01	4	475	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/15/23 09:35	2	101	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/15/23 13:00	2	111	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/15/23 13:00	1	63	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/16/23 12:26	1	83	Planned
SAIDI-08	SAIDI	8	PULFD2155	-		12/16/23 12:27	6	495	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/19/23 10:02	4	283	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/19/23 13:42	1	90	Planned
SAIDI-08	SAIDI	8	PULFD2155	-		12/19/23 13:48	8	433	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/20/23 10:16	1	68	Planned
SAIDI-08	SAIDI	8	PULFD2155	-		12/20/23 10:16	6	462	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/20/23 13:14	3	69	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/21/23 09:42	1	140	Planned
SAIDI-08	SAIDI	8	PULFD2155	-		12/21/23 09:46	3	400	Other
SAIDI-08	SAIDI	8	PULFD2155	-		12/27/23 10:05	11	1,687	Planned
SAIDI-09	SAIDI	9	SNOVR0301	-		01/01/23 01:04	1	2,327	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		01/01/23 01:04	175	107,423	Equipment
SAIDI-09	SAIDI	9	SNOVR0301	-		01/01/23 11:06	46	27,756	Equipment
SAIDI-09	SAIDI	9	SNOVR0301	-		01/01/23 11:06	2	1,207	Equipment
SAIDI-09	SAIDI	9	SNOVR0301	-		01/01/23 11:06	18	10,860	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		01/01/23 21:08	115	68,839	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		01/01/23 23:47	1	8	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		01/03/23 03:45	127	4,811	Equipment
SAIDI-09	SAIDI	9	SNOVR0301	-		01/03/23 16:49	1	36	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		01/03/23 16:49	233	8,594	Other
SAIDI-09	SAIDI	9	SNOVR0301	MED	Cat	02/24/23 11:55	1	29	Weather
SAIDI-09	SAIDI	9	SNOVR0301	MED	Cat	02/25/23 15:24	1	31	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		03/20/23 22:08	1	221	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		04/04/23 11:14	2	167	Planned
SAIDI-09	SAIDI	9	SNOVR0301	-		04/15/23 13:15	1	36	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		05/11/23 13:30	1	70	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		07/09/23 09:48	2	525	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		07/25/23 13:17	1	10	Planned
SAIDI-09	SAIDI	9	SNOVR0301	MED	Cat	07/26/23 14:43	1	7	Weather
SAIDI-09	SAIDI	9	SNOVR0301	MED	Cat	07/27/23 09:49	1	30	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		07/31/23 11:41	1	40	Planned
SAIDI-09	SAIDI	9	SNOVR0301	-		08/08/23 14:23	2	497	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		08/08/23 14:23	166	41,198	Equipment
SAIDI-09	SAIDI	9	SNOVR0301	-		08/08/23 14:23	1	248	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		08/08/23 14:23	1	248	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		08/12/23 10:41	2	48	Equipment
SAIDI-09	SAIDI	9	SNOVR0301	-		08/16/23 13:19	1	9	Other
SAIDI-09	SAIDI	9	SNOVR0301	-		10/13/23 07:49	1	87	Other

SAIDI-10	SAIDI	10	DENVR2004	-	Cat	03/06/23 09:08	1	143	Weather
SAIDI-10	SAIDI	10	DENVR2004	-		03/18/23 11:22	5	204	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		03/18/23 11:28	4	212	Equipment
SAIDI-10	SAIDI	10	DENVR2004	-		03/20/23 12:32	5	440	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		03/24/23 09:42	4	171	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		03/28/23 12:48	4	188	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		03/30/23 14:47	1	72	Other
SAIDI-10	SAIDI	10	DENVR2004	-		03/30/23 20:35	1	31	Other
SAIDI-10	SAIDI	10	DENVR2004	-		04/03/23 10:11	1	21	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		04/03/23 13:10	1	48	Other
SAIDI-10	SAIDI	10	DENVR2004	-		04/11/23 10:27	4	96	Other
SAIDI-10	SAIDI	10	DENVR2004	-		04/11/23 10:27	1	28	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		04/11/23 12:44	1	55	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		04/13/23 11:11	1	61	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		04/13/23 11:17	1	48	Other
SAIDI-10	SAIDI	10	DENVR2004	-		04/13/23 12:02	1	40	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		04/13/23 13:55	2	31	Other
SAIDI-10	SAIDI	10	DENVR2004	-		04/13/23 13:55	1	15	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		04/14/23 10:33	6	937	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		04/14/23 11:24	2	199	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		04/14/23 11:24	2	200	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		04/14/23 11:24	1	100	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		04/24/23 10:05	13	3,165	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		04/24/23 10:05	7	1,701	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		04/24/23 10:07	2	483	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		04/24/23 10:07	1	242	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		04/24/23 10:07	1	241	Other
SAIDI-10	SAIDI	10	DENVR2004	-		04/24/23 10:14	1	234	Equipment
SAIDI-10	SAIDI	10	DENVR2004	-		05/03/23 08:43	1	447	Other
SAIDI-10	SAIDI	10	DENVR2004	-		05/18/23 12:28	1	39	Other
SAIDI-10	SAIDI	10	DENVR2004	-		05/19/23 08:44	1	102	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		05/19/23 14:23	1	24	Planned
SAIDI-10	SAIDI	10	DENVR2004	-		05/19/23 14:27	1	18	Other
SAIDI-10	SAIDI	10	DENVR2004	-		06/29/23 08:32	1	7	Other
SAIDI-10	SAIDI	10	DENVR2004	-		07/02/23 20:48	337	113,504	Vegetation
SAIDI-10	SAIDI	10	DENVR2004	-		07/02/23 20:48	1	336	Other
SAIDI-10	SAIDI	10	DENVR2004	-		07/08/23 04:54	1	320	Equipment
SAIDI-10	SAIDI	10	DENVR2004	-		07/08/23 04:54	336	107,368	Equipment
SAIDI-10	SAIDI	10	DENVR2004	-		07/08/23 04:54	1	320	Other
SAIDI-10	SAIDI	10	DENVR2004	-		07/08/23 04:54	1	319	Other
SAIDI-10	SAIDI	10	DENVR2004	-		07/25/23 09:57	16	7,277	Equipment
SAIDI-10	SAIDI	10	DENVR2004	-		07/25/23 09:57	1	370	Other
SAIDI-10	SAIDI	10	DENVR2004	-		07/25/23 09:57	1	370	Other

SAIDI-10	SAIDI	10	DENVR2004	-		07/25/23 09:57	2	753	Other
SAIDI-10	SAIDI	10	DENVR2004	MED	Cat	07/26/23 15:49	2	11,730	Equipment
SAIDI-10	SAIDI	10	DENVR2004	MED	Cat	07/26/23 15:49	302	528,558	Weather
SAIDI-10	SAIDI	10	DENVR2004	MED	Cat	07/26/23 15:49	51	124,667	Vegetation
SAIDI-10	SAIDI	10	DENVR2004	-	Cat	07/28/23 20:54	8	360	Vegetation
SAIDI-10	SAIDI	10	DENVR2004	-		08/07/23 00:08	339	276,548	Vegetation
SAIDI-10	SAIDI	10	DENVR2004	-		08/07/23 00:08	1	815	Other
SAIDI-10	SAIDI	10	DENVR2004	-		09/27/23 12:55	1	23	Other
SAIDI-10	SAIDI	10	DENVR2004	-		10/26/23 14:26	1	94	Other
SAIDI-10	SAIDI	10	DENVR2004	-		11/08/23 20:47	1	507	Equipment

Appendix 6

Outage and Cause Listing - Worst performing circuits by SAIFI excluding Major Event Days - Circuit Basis

Ref#	Metric	Rank	Circuit	MED	Storm	Interruption Date/Time	Customers Interrupted	Customer Minutes Interrupted	Cause
SAIFI-01	SAIFI	1	CROWN9832	-		01/08/23 08:29	4	20	Other
SAIFI-01	SAIFI	1	CROWN9832	-		01/11/23 19:48	265	10,193	Other
SAIFI-01	SAIFI	1	CROWN9832	-		01/11/23 19:48	1	39	Other
SAIFI-01	SAIFI	1	CROWN9832	-		01/11/23 19:48	1	38	Other
SAIFI-01	SAIFI	1	CROWN9832	-	Small	02/15/23 13:20	57	5,223	Weather
SAIFI-01	SAIFI	1	CROWN9832	-	Small	02/15/23 13:20	967	88,585	Weather
SAIFI-01	SAIFI	1	CROWN9832	-	Small	02/15/23 13:20	6	550	Weather
SAIFI-01	SAIFI	1	CROWN9832	-		02/17/23 08:39	1	9	Other
SAIFI-01	SAIFI	1	CROWN9832	MED	Cat	02/22/23 20:22	48	335,689	Weather
SAIFI-01	SAIFI	1	CROWN9832	MED	Cat	02/22/23 20:22	219	1,522,979	Weather
SAIFI-01	SAIFI	1	CROWN9832	MED	Cat	02/23/23 14:19	1	51	Weather
SAIFI-01	SAIFI	1	CROWN9832	MED	Cat	02/23/23 14:19	1	51	Weather
SAIFI-01	SAIFI	1	CROWN9832	MED	Cat	02/24/23 09:34	2	7,214	Other
SAIFI-01	SAIFI	1	CROWN9832	MED	Cat	02/27/23 08:39	15	781	Other
SAIFI-01	SAIFI	1	CROWN9832	-	Cat	03/02/23 13:18	1	64	Other
SAIFI-01	SAIFI	1	CROWN9832	MED	Cat	03/03/23 19:54	1,048	967,898	Weather
SAIFI-01	SAIFI	1	CROWN9832	-	Cat	03/07/23 17:14	1	5	Weather
SAIFI-01	SAIFI	1	CROWN9832	MED	Small	03/25/23 15:22	1,709	174,621	Weather
SAIFI-01	SAIFI	1	CROWN9832	MED	Small	03/25/23 15:22	1	126	Weather
SAIFI-01	SAIFI	1	CROWN9832	MED	Small	03/25/23 16:17	1	72	Other
SAIFI-01	SAIFI	1	CROWN9832	-		04/04/23 00:22	1	378	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		04/04/23 00:22	75	28,321	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		04/04/23 00:22	1	377	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		04/04/23 00:22	1	377	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		04/04/23 00:22	1	377	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		04/04/23 00:22	1	377	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		04/04/23 00:22	1	377	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		04/04/23 00:22	1	377	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		04/04/23 00:22	1	378	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		04/04/23 00:22	84	31,719	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		04/04/23 00:22	34	12,839	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		04/04/23 00:23	1	150	Other
SAIFI-01	SAIFI	1	CROWN9832	-		04/04/23 00:23	3,470	334,006	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		04/04/23 03:17	1	32	Other
SAIFI-01	SAIFI	1	CROWN9832	-		04/09/23 19:11	1	109	Other

SAIFI-01	SAIFI	1	CROWN9832	-		06/02/23 15:25	1	123	Other
SAIFI-01	SAIFI	1	CROWN9832	-		06/02/23 15:25	1,061	102,002	Public
SAIFI-01	SAIFI	1	CROWN9832	-		06/02/23 16:37	1	52	Other
SAIFI-01	SAIFI	1	CROWN9832	-		06/03/23 12:47	2,468	565,201	Public
SAIFI-01	SAIFI	1	CROWN9832	-		06/03/23 12:47	2	615	Other
SAIFI-01	SAIFI	1	CROWN9832	-		06/03/23 12:47	1	286	Other
SAIFI-01	SAIFI	1	CROWN9832	-		06/03/23 12:47	42	9,880	Public
SAIFI-01	SAIFI	1	CROWN9832	-		06/21/23 18:07	1	116	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		06/21/23 18:07	1	116	Other
SAIFI-01	SAIFI	1	CROWN9832	-		06/21/23 18:08	5	581	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		06/21/23 18:08	1	115	Other
SAIFI-01	SAIFI	1	CROWN9832	-		06/23/23 09:22	1,682	146,357	Vegetation
SAIFI-01	SAIFI	1	CROWN9832	-		06/23/23 09:22	1	108	Other
SAIFI-01	SAIFI	1	CROWN9832	-		06/23/23 10:20	1	50	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		06/23/23 10:20	1	50	Other
SAIFI-01	SAIFI	1	CROWN9832	-		06/23/23 10:20	1	50	Other
SAIFI-01	SAIFI	1	CROWN9832	MED		06/25/23 15:56	1,012	134,217	Vegetation
SAIFI-01	SAIFI	1	CROWN9832	MED		06/25/23 15:56	1	133	Other
SAIFI-01	SAIFI	1	CROWN9832	MED		06/25/23 15:56	1	133	Other
SAIFI-01	SAIFI	1	CROWN9832	MED		06/25/23 15:56	1	133	Other
SAIFI-01	SAIFI	1	CROWN9832	MED	Small	06/25/23 16:00	675	86,705	Vegetation
SAIFI-01	SAIFI	1	CROWN9832	MED	Small	06/25/23 16:00	1	129	Other
SAIFI-01	SAIFI	1	CROWN9832	-		07/05/23 07:02	1	10	Other
SAIFI-01	SAIFI	1	CROWN9832	-		07/05/23 08:44	1	120	Other
SAIFI-01	SAIFI	1	CROWN9832	-		07/17/23 09:33	1	56	Other
SAIFI-01	SAIFI	1	CROWN9832	-		07/17/23 09:33	1	56	Planned
SAIFI-01	SAIFI	1	CROWN9832	-		07/19/23 15:03	1,550	120,253	Public
SAIFI-01	SAIFI	1	CROWN9832	-		07/19/23 15:03	3	410	Other
SAIFI-01	SAIFI	1	CROWN9832	MED	Small	07/20/23 16:27	1,048	142,534	Weather
SAIFI-01	SAIFI	1	CROWN9832	MED	Small	07/20/23 16:27	2	271	Other
SAIFI-01	SAIFI	1	CROWN9832	MED	Cat	07/26/23 15:05	266	348,349	Weather
SAIFI-01	SAIFI	1	CROWN9832	MED	Cat	07/26/23 15:05	2	1,315	Other
SAIFI-01	SAIFI	1	CROWN9832	-		08/15/23 16:09	1	13	Other
SAIFI-01	SAIFI	1	CROWN9832	-		08/15/23 16:09	1	13	Other
SAIFI-01	SAIFI	1	CROWN9832	-		08/20/23 11:07	1	113	Other
SAIFI-01	SAIFI	1	CROWN9832	-		09/05/23 10:56	1	1,364	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		09/05/23 10:56	1	1,363	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		09/06/23 14:44	2	29	Other
SAIFI-01	SAIFI	1	CROWN9832	-		09/06/23 15:23	1	1,975	Other
SAIFI-01	SAIFI	1	CROWN9832	-		09/07/23 15:05	1	6	Other
SAIFI-01	SAIFI	1	CROWN9832	-		09/09/23 13:43	1	1,037	Other
SAIFI-01	SAIFI	1	CROWN9832	-		09/21/23 08:51	1	166	Other
SAIFI-01	SAIFI	1	CROWN9832	-		09/21/23 12:34	1	66	Other

SAIFI-01	SAIFI	1	CROWN9832	-		09/27/23 10:23	1	7	Other
SAIFI-01	SAIFI	1	CROWN9832	-		10/09/23 15:37	1	16	Other
SAIFI-01	SAIFI	1	CROWN9832	-		10/16/23 05:38	1	44	Other
SAIFI-01	SAIFI	1	CROWN9832	-		10/16/23 17:09	2	169	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		10/23/23 11:41	1	312	Other
SAIFI-01	SAIFI	1	CROWN9832	-		10/23/23 14:40	2	346	Wildlife
SAIFI-01	SAIFI	1	CROWN9832	-		10/23/23 17:25	1	15	Wildlife
SAIFI-01	SAIFI	1	CROWN9832	-		10/23/23 17:25	1	15	Other
SAIFI-01	SAIFI	1	CROWN9832	-		11/02/23 10:51	1	64	Other
SAIFI-01	SAIFI	1	CROWN9832	-		11/02/23 13:31	1	177	Other
SAIFI-01	SAIFI	1	CROWN9832	-		11/28/23 12:18	80	13,588	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		12/06/23 12:14	35	1,910	Public
SAIFI-01	SAIFI	1	CROWN9832	-		12/06/23 12:14	2	109	Other
SAIFI-01	SAIFI	1	CROWN9832	-		12/06/23 12:14	1	55	Equipment
SAIFI-01	SAIFI	1	CROWN9832	-		12/06/23 12:14	1,007	55,237	Public
SAIFI-02	SAIFI	2	ARGO 0326	-		01/01/23 01:54	170	90,380	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		01/01/23 07:57	228	38,490	Equipment
SAIFI-02	SAIFI	2	ARGO 0326	-		01/09/23 10:27	1	54	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		01/09/23 10:28	3	236	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		01/10/23 10:27	13	1,265	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		01/10/23 12:56	3	200	Equipment
SAIFI-02	SAIFI	2	ARGO 0326	-		01/11/23 10:17	7	441	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		01/11/23 12:34	10	720	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		01/12/23 10:42	1	20	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		01/12/23 10:42	5	100	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		01/18/23 10:17	3	468	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		01/24/23 10:21	8	946	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		01/30/23 09:55	13	1,698	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		02/01/23 15:02	1	36	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		02/01/23 15:02	395	14,106	Equipment
SAIFI-02	SAIFI	2	ARGO 0326	-		02/01/23 15:03	1	36	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		02/04/23 08:36	1	36	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		02/06/23 10:02	10	839	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		02/06/23 10:02	2	168	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		02/07/23 10:17	14	1,290	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		02/10/23 13:04	3	279	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		02/14/23 10:03	4	721	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		02/17/23 10:12	1	154	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		02/18/23 10:28	6	672	Planned
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	02/22/23 21:20	1	5,365	Other
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	02/22/23 22:37	1	1,124	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	02/23/23 10:40	1	323	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	02/23/23 12:22	6	27,361	Weather

SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	02/23/23 20:40	377	114,541	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	02/24/23 02:52	355	1,329,035	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	02/24/23 02:52	27	97,019	Weather
SAIFI-02	SAIFI	2	ARGO 0326	-	Cat	02/26/23 16:36	1	2,598	Other
SAIFI-02	SAIFI	2	ARGO 0326	-	Cat	03/01/23 11:21	1	324	Weather
SAIFI-02	SAIFI	2	ARGO 0326	-	Cat	03/01/23 11:40	1	43	Other
SAIFI-02	SAIFI	2	ARGO 0326	-	Cat	03/01/23 18:03	5	258	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	03/03/23 15:30	1	31	Other
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	03/03/23 21:54	1	2,481	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	03/04/23 03:42	1	595	Weather
SAIFI-02	SAIFI	2	ARGO 0326	-		04/15/23 23:43	4	719	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		04/15/23 23:43	9	1,656	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		04/17/23 12:26	7	155	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		04/20/23 09:06	1	11	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		04/21/23 07:50	1	77	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		04/23/23 09:04	1	174	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		04/23/23 09:04	3	522	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		04/28/23 10:29	1	7	Equipment
SAIFI-02	SAIFI	2	ARGO 0326	-		05/04/23 09:27	1	90	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		05/04/23 16:27	1	101	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		05/10/23 18:17	1	19	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		05/17/23 09:57	1	269	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		05/19/23 23:06	42	17,137	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		05/19/23 23:10	1	338	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		05/19/23 23:10	1	338	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		05/19/23 23:10	43	15,657	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		05/19/23 23:10	26	8,788	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		05/19/23 23:10	193	81,493	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		05/19/23 23:10	20	6,829	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		05/19/23 23:10	67	22,645	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		05/30/23 01:49	1	534	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		05/30/23 01:49	1	534	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		05/30/23 01:49	2	1,066	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		05/30/23 01:49	1	534	Equipment
SAIFI-02	SAIFI	2	ARGO 0326	-		05/30/23 01:49	27	18,091	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		05/30/23 01:49	324	172,903	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		05/30/23 01:49	1	533	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		05/30/23 01:49	1	534	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		05/30/23 01:49	7	5,168	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		05/30/23 01:49	28	18,351	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		06/01/23 14:44	1	203	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		06/08/23 13:40	2	484	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		06/15/23 17:28	396	97,681	Vegetation

SAIFI-02	SAIFI	2	ARGO 0326	-		06/17/23 16:42	1	6	Equipment
SAIFI-02	SAIFI	2	ARGO 0326	MED	Small	06/25/23 18:12	2	11,418	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Small	06/25/23 18:12	18	43,672	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Small	06/25/23 18:12	3	6,684	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Small	06/25/23 18:12	1	2,699	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Small	06/25/23 18:27	2	6,587	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Small	06/25/23 18:40	366	424,422	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Small	06/25/23 18:40	1	3,890	Lightning
SAIFI-02	SAIFI	2	ARGO 0326	MED	Small	06/25/23 18:40	1	3,890	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Small	06/25/23 18:42	1	1,165	Other
SAIFI-02	SAIFI	2	ARGO 0326	MED	Small	06/25/23 18:43	1	1,164	Weather
SAIFI-02	SAIFI	2	ARGO 0326	-		07/03/23 16:52	9	393	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		07/07/23 22:20	1	92	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		07/15/23 07:50	1	1,844	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	07/26/23 15:01	1	2,602	Other
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	07/26/23 15:01	65	166,873	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	07/26/23 15:05	14	36,366	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	07/28/23 11:45	3	302	Weather
SAIFI-02	SAIFI	2	ARGO 0326	-	Cat	07/28/23 18:01	9	25,829	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-	Cat	07/28/23 18:01	14	40,180	Vegetation
SAIFI-02	SAIFI	2	ARGO 0326	-		08/01/23 11:41	1	49	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		08/02/23 14:33	1	14	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		08/05/23 17:45	1	7	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		08/11/23 10:39	1	249	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		08/11/23 10:39	1	249	Other
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	08/24/23 06:06	4	23	Other
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	08/24/23 07:21	1	413	Equipment
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	08/24/23 07:22	1	413	Equipment
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	08/24/23 08:29	2	1,324	Other
SAIFI-02	SAIFI	2	ARGO 0326	-	Cat	08/24/23 08:30	1	662	Other
SAIFI-02	SAIFI	2	ARGO 0326	-	Cat	08/24/23 08:30	1	662	Other
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	08/24/23 22:07	19	68,929	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	08/24/23 22:42	75	56,201	Other
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	08/25/23 08:30	3	148	Equipment
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	08/25/23 08:30	1	71	Other
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	08/25/23 09:23	2	77	Lightning
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	08/25/23 10:15	2	12	Other
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	08/25/23 17:37	7	57	Weather
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	08/25/23 21:22	8	45	Other
SAIFI-02	SAIFI	2	ARGO 0326	MED	Cat	08/26/23 05:53	14	294	Other
SAIFI-02	SAIFI	2	ARGO 0326	-	Cat	08/26/23 09:10	53	32,872	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		09/05/23 03:58	33	2,845	Equipment
SAIFI-02	SAIFI	2	ARGO 0326	-		09/11/23 12:23	60	6,875	Other

SAIFI-02	SAIFI	2	ARGO 0326	-		09/15/23 11:09	1	327	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		09/19/23 10:16	1	202	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		09/21/23 10:54	1	333	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		09/22/23 15:20	1	6	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		09/26/23 09:45	1	285	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		09/26/23 11:06	8	791	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		09/27/23 10:08	10	907	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		09/30/23 09:50	9	1,489	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		09/30/23 09:50	6	991	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		10/06/23 09:09	16	495	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		10/10/23 11:29	6	969	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		10/10/23 11:39	7	754	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		10/13/23 08:49	1	283	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		10/16/23 11:12	13	1,822	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		10/18/23 10:49	1	11	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		10/18/23 10:49	9	103	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		10/21/23 11:44	10	1,024	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		10/23/23 11:49	6	513	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		10/30/23 09:48	1	59	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		10/30/23 10:01	1	81	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		10/31/23 08:34	1	21	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		11/01/23 10:06	38	5,485	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/02/23 12:05	3	482	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/09/23 11:42	9	1,324	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/10/23 10:36	1	435	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		11/11/23 09:43	2	222	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		11/11/23 09:43	2	222	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/11/23 09:43	2	222	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/13/23 09:22	1	203	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		11/20/23 12:02	7	261	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/20/23 12:02	3	126	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/22/23 09:26	1	393	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		11/27/23 11:04	2	195	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/27/23 11:16	2	318	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		11/27/23 11:28	1	221	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/27/23 11:28	1	221	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/28/23 11:25	1	104	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/28/23 11:25	2	208	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		11/28/23 11:25	1	104	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/28/23 11:25	2	208	Other
SAIFI-02	SAIFI	2	ARGO 0326	-		11/29/23 10:39	1	29	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/29/23 10:39	27	789	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/29/23 10:39	2	57	Other

SAIFI-02	SAIFI	2	ARGO 0326	-		11/29/23 10:40	11	309	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/29/23 10:40	14	394	Planned
SAIFI-02	SAIFI	2	ARGO 0326	-		11/29/23 10:40	1	28	Planned
SAIFI-03	SAIFI	3	HASKL1625	-		01/09/23 15:20	1	11	Other
SAIFI-03	SAIFI	3	HASKL1625	-		02/10/23 09:20	1	6	Other
SAIFI-03	SAIFI	3	HASKL1625	-	Small	02/15/23 13:01	72	111,202	Weather
SAIFI-03	SAIFI	3	HASKL1625	-	Small	02/15/23 13:01	109	170,641	Weather
SAIFI-03	SAIFI	3	HASKL1625	-	Small	02/15/23 13:01	72	112,662	Weather
SAIFI-03	SAIFI	3	HASKL1625	-	Small	02/15/23 13:01	49	76,673	Weather
SAIFI-03	SAIFI	3	HASKL1625	-	Small	02/15/23 20:28	1	23	Weather
SAIFI-03	SAIFI	3	HASKL1625	-	Small	02/15/23 20:28	1	23	Other
SAIFI-03	SAIFI	3	HASKL1625	-		02/21/23 10:34	1	112	Equipment
SAIFI-03	SAIFI	3	HASKL1625	-		02/21/23 10:34	1	112	Equipment
SAIFI-03	SAIFI	3	HASKL1625	-		02/21/23 10:34	2	225	Planned
SAIFI-03	SAIFI	3	HASKL1625	-		02/21/23 10:34	1	112	Equipment
SAIFI-03	SAIFI	3	HASKL1625	-		02/21/23 12:05	323	18,511	Equipment
SAIFI-03	SAIFI	3	HASKL1625	-		02/21/23 12:05	109	2,314	Equipment
SAIFI-03	SAIFI	3	HASKL1625	-		02/21/23 12:05	1	21	Vegetation
SAIFI-03	SAIFI	3	HASKL1625	MED	Cat	02/24/23 08:23	2	33	Other
SAIFI-03	SAIFI	3	HASKL1625	MED	Cat	02/24/23 09:00	825	2,126,118	Vegetation
SAIFI-03	SAIFI	3	HASKL1625	-		04/14/23 10:14	37	4,472	Planned
SAIFI-03	SAIFI	3	HASKL1625	-		04/20/23 09:26	1	182	Other
SAIFI-03	SAIFI	3	HASKL1625	-		05/05/23 11:09	1	51	Other
SAIFI-03	SAIFI	3	HASKL1625	-		05/05/23 11:30	2	35	Other
SAIFI-03	SAIFI	3	HASKL1625	-		05/08/23 09:53	1	427	Other
SAIFI-03	SAIFI	3	HASKL1625	-		05/15/23 18:19	1	46	Other
SAIFI-03	SAIFI	3	HASKL1625	-		06/09/23 10:27	1	281	Other
SAIFI-03	SAIFI	3	HASKL1625	-		06/21/23 09:34	1	11	Other
SAIFI-03	SAIFI	3	HASKL1625	-		07/13/23 00:10	1	651	Other
SAIFI-03	SAIFI	3	HASKL1625	-		07/13/23 00:11	1	651	Other
SAIFI-03	SAIFI	3	HASKL1625	-		07/18/23 08:45	1	450	Other
SAIFI-03	SAIFI	3	HASKL1625	MED	Cat	07/26/23 15:43	557	1,673,287	Lightning
SAIFI-03	SAIFI	3	HASKL1625	MED	Cat	07/26/23 16:54	1	1,292	Weather
SAIFI-03	SAIFI	3	HASKL1625	MED	Cat	07/26/23 16:54	1	1,292	Other
SAIFI-03	SAIFI	3	HASKL1625	-		09/04/23 19:39	1,713	146,853	Other
SAIFI-03	SAIFI	3	HASKL1625	-		09/05/23 13:55	565	11,164	Equipment
SAIFI-03	SAIFI	3	HASKL1625	-		09/12/23 10:33	1	12	Other
SAIFI-03	SAIFI	3	HASKL1625	-		09/30/23 11:53	1	205	Other
SAIFI-03	SAIFI	3	HASKL1625	-		11/22/23 09:40	1	7	Equipment
SAIFI-03	SAIFI	3	HASKL1625	-		11/22/23 09:40	1	8	Other
SAIFI-03	SAIFI	3	HASKL1625	-		12/21/23 12:09	1	7	Other
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	02/22/23 22:15	443	809,751	Weather
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	02/22/23 22:15	1	1,467	Weather

SAIFI-04	SAIFI	4	NBOST0305	-	Cat	02/25/23 22:47	401	484,802	Weather
SAIFI-04	SAIFI	4	NBOST0305	-	Cat	02/25/23 22:47	9	34,357	Other
SAIFI-04	SAIFI	4	NBOST0305	-	Cat	02/25/23 22:47	1	3,965	Other
SAIFI-04	SAIFI	4	NBOST0305	-	Cat	02/25/23 22:47	1	4,328	Weather
SAIFI-04	SAIFI	4	NBOST0305	-	Cat	02/28/23 14:25	1	7	Other
SAIFI-04	SAIFI	4	NBOST0305	-	Cat	03/01/23 11:04	1	9	Other
SAIFI-04	SAIFI	4	NBOST0305	-	Cat	03/05/23 09:51	1	122	Weather
SAIFI-04	SAIFI	4	NBOST0305	-	Cat	03/07/23 08:51	1	7	Other
SAIFI-04	SAIFI	4	NBOST0305	-	Cat	03/07/23 16:07	1	26	Weather
SAIFI-04	SAIFI	4	NBOST0305	-		03/12/23 20:09	4	1,905	Other
SAIFI-04	SAIFI	4	NBOST0305	-		03/12/23 20:09	52	8,595	Other
SAIFI-04	SAIFI	4	NBOST0305	-		03/13/23 03:26	7	273	Other
SAIFI-04	SAIFI	4	NBOST0305	-		03/16/23 10:10	2	61	Planned
SAIFI-04	SAIFI	4	NBOST0305	-		03/18/23 18:33	1	25	Other
SAIFI-04	SAIFI	4	NBOST0305	-		03/19/23 08:54	1	192	Other
SAIFI-04	SAIFI	4	NBOST0305	-		04/04/23 15:01	1	25	Equipment
SAIFI-04	SAIFI	4	NBOST0305	-		04/05/23 14:43	2	212	Equipment
SAIFI-04	SAIFI	4	NBOST0305	-		04/10/23 14:19	444	77,333	Other
SAIFI-04	SAIFI	4	NBOST0305	-		04/10/23 14:19	1	174	Other
SAIFI-04	SAIFI	4	NBOST0305	-		04/20/23 12:16	1	88	Other
SAIFI-04	SAIFI	4	NBOST0305	-		04/23/23 22:08	1	272	Wildlife
SAIFI-04	SAIFI	4	NBOST0305	-		04/24/23 10:08	1	897	Other
SAIFI-04	SAIFI	4	NBOST0305	MED		05/31/23 14:42	1	302	Other
SAIFI-04	SAIFI	4	NBOST0305	MED		05/31/23 20:28	1	894	Other
SAIFI-04	SAIFI	4	NBOST0305	-		06/11/23 21:54	1	853	Other
SAIFI-04	SAIFI	4	NBOST0305	MED	Small	06/25/23 18:18	1	1,003	Other
SAIFI-04	SAIFI	4	NBOST0305	MED	Small	06/25/23 18:18	1	1,091	Weather
SAIFI-04	SAIFI	4	NBOST0305	MED	Small	06/25/23 18:18	442	443,584	Weather
SAIFI-04	SAIFI	4	NBOST0305	MED	Small	06/25/23 18:18	1	1,004	Other
SAIFI-04	SAIFI	4	NBOST0305	MED	Small	06/26/23 13:30	1	10	Weather
SAIFI-04	SAIFI	4	NBOST0305	-		07/18/23 14:48	1	5	Other
SAIFI-04	SAIFI	4	NBOST0305	-		07/18/23 14:48	1	5	Other
SAIFI-04	SAIFI	4	NBOST0305	-		07/18/23 14:48	1	5	Other
SAIFI-04	SAIFI	4	NBOST0305	-		07/18/23 14:48	7	36	Equipment
SAIFI-04	SAIFI	4	NBOST0305	-		07/18/23 14:48	1	5	Other
SAIFI-04	SAIFI	4	NBOST0305	-		07/18/23 14:48	410	2,081	Other
SAIFI-04	SAIFI	4	NBOST0305	-		07/18/23 14:48	1	5	Vegetation
SAIFI-04	SAIFI	4	NBOST0305	-		07/18/23 14:48	1	5	Other
SAIFI-04	SAIFI	4	NBOST0305	-		07/18/23 14:48	1	5	Other
SAIFI-04	SAIFI	4	NBOST0305	-		08/03/23 20:11	1	66	Other
SAIFI-04	SAIFI	4	NBOST0305	-		08/04/23 20:38	1	37	Other
SAIFI-04	SAIFI	4	NBOST0305	-		08/10/23 17:20	1	202	Other
SAIFI-04	SAIFI	4	NBOST0305	-		08/10/23 21:59	1	143	Other

SAIFI-04	SAIFI	4	NBOST0305	-		08/11/23 04:28	1	266	Other
SAIFI-04	SAIFI	4	NBOST0305	-		08/12/23 18:32	1	21	Other
SAIFI-04	SAIFI	4	NBOST0305	-		08/14/23 17:31	1	115	Other
SAIFI-04	SAIFI	4	NBOST0305	-		08/16/23 16:56	1	313	Other
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	08/24/23 02:17	6	30,514	Vegetation
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	08/24/23 02:17	9	41,080	Vegetation
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	08/24/23 02:17	13	66,117	Vegetation
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	08/24/23 02:17	2	10,171	Vegetation
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	08/24/23 02:18	8	39,930	Vegetation
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	08/24/23 02:24	4	1,966	Vegetation
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	08/24/23 02:24	49	24,129	Equipment
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	08/24/23 02:24	388	153,536	Weather
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	08/24/23 02:24	1	492	Other
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	08/24/23 22:35	2	13	Other
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	08/25/23 07:01	2	7,203	Equipment
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	08/25/23 07:01	1	3,601	Other
SAIFI-04	SAIFI	4	NBOST0305	MED	Cat	08/25/23 23:22	2	28	Other
SAIFI-04	SAIFI	4	NBOST0305	-	Cat	08/26/23 08:57	1	33	Equipment
SAIFI-04	SAIFI	4	NBOST0305	-	Cat	08/26/23 18:30	21	893	Vegetation
SAIFI-04	SAIFI	4	NBOST0305	-	Cat	08/26/23 23:50	2	18	Other
SAIFI-04	SAIFI	4	NBOST0305	-	Cat	08/27/23 02:52	1	512	Other
SAIFI-04	SAIFI	4	NBOST0305	-	Cat	08/27/23 20:16	1	14	Other
SAIFI-04	SAIFI	4	NBOST0305	-	Cat	08/30/23 11:01	1	14	Vegetation
SAIFI-04	SAIFI	4	NBOST0305	-		09/01/23 08:02	1	89	Other
SAIFI-04	SAIFI	4	NBOST0305	-		09/01/23 16:07	1	21	Other
SAIFI-04	SAIFI	4	NBOST0305	-		09/03/23 11:17	1	9	Other
SAIFI-04	SAIFI	4	NBOST0305	-		09/15/23 16:28	1	34	Other
SAIFI-04	SAIFI	4	NBOST0305	-		09/16/23 13:57	1	76	Other
SAIFI-04	SAIFI	4	NBOST0305	-		09/17/23 09:18	1	302	Other
SAIFI-04	SAIFI	4	NBOST0305	-		09/17/23 14:59	1	11	Other
SAIFI-04	SAIFI	4	NBOST0305	-		10/02/23 10:42	1	307	Other
SAIFI-04	SAIFI	4	NBOST0305	-		10/03/23 11:43	2	81	Other
SAIFI-04	SAIFI	4	NBOST0305	-		10/04/23 11:22	1	37	Other
SAIFI-04	SAIFI	4	NBOST0305	-		10/04/23 11:22	1	41	Planned
SAIFI-04	SAIFI	4	NBOST0305	-		10/04/23 11:22	2	78	Other
SAIFI-04	SAIFI	4	NBOST0305	-		10/06/23 10:21	890	65,473	Planned
SAIFI-04	SAIFI	4	NBOST0305	-		10/06/23 10:21	2	147	Other
SAIFI-04	SAIFI	4	NBOST0305	-		10/27/23 09:26	1	185	Other
SAIFI-04	SAIFI	4	NBOST0305	-		12/01/23 17:34	1	14	Other
SAIFI-04	SAIFI	4	NBOST0305	-		12/18/23 16:10	1	6	Other
SAIFI-04	SAIFI	4	NBOST0305	-		12/22/23 10:44	1	75	Other
SAIFI-04	SAIFI	4	NBOST0305	-		12/28/23 04:24	1	45	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		01/01/23 01:04	696	612,258	Equipment

SAIFI-05	SAIFI	5	SNOVR0302	-	01/01/23 01:04	1	2,206	Equipment
SAIFI-05	SAIFI	5	SNOVR0302	-	01/01/23 19:23	2	2,225	Equipment
SAIFI-05	SAIFI	5	SNOVR0302	-	01/01/23 23:47	1	7	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	01/02/23 13:26	1	24	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	01/02/23 13:42	3	904	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	01/03/23 04:12	811	19,420	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	01/03/23 16:49	1	37	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	01/03/23 16:49	1	37	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	01/03/23 16:49	1	37	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	01/11/23 21:01	1	6	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	02/04/23 11:14	1	157	Equipment
SAIFI-05	SAIFI	5	SNOVR0302	-	03/15/23 18:43	1	9	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	03/30/23 07:29	1	318	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	03/31/23 22:34	1	1,362	Equipment
SAIFI-05	SAIFI	5	SNOVR0302	-	04/01/23 10:31	47	9,998	Weather
SAIFI-05	SAIFI	5	SNOVR0302	-	04/01/23 10:31	20	4,090	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	04/05/23 11:08	1	13	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	04/24/23 11:50	1	28	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	04/24/23 13:31	1	11	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	04/24/23 13:34	1	11	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	04/25/23 09:36	1	145	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	04/26/23 09:35	2	25	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	04/26/23 10:26	1	26	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	04/26/23 11:27	1	51	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/01/23 09:29	1	30	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/01/23 10:31	1	23	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/01/23 11:03	1	29	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/01/23 13:57	1	99	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/04/23 10:25	1	18	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/04/23 11:06	1	16	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/04/23 14:20	1	18	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/04/23 15:13	1	16	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	05/08/23 09:48	1	28	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/08/23 13:45	1	13	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/08/23 14:31	1	30	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/09/23 11:46	1	28	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/09/23 12:40	1	23	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/09/23 15:16	1	16	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/10/23 09:53	1	36	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/10/23 12:09	1	8	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/10/23 12:09	4	36	Other
SAIFI-05	SAIFI	5	SNOVR0302	-	05/10/23 14:10	1	34	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-	05/10/23 15:15	1	7	Other

SAIFI-05	SAIFI	5	SNOVR0302	-		05/11/23 08:38	1	6	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		05/11/23 09:20	1	25	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-		05/19/23 09:21	1	23	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-		05/19/23 10:16	1	51	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		05/19/23 11:15	1	26	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-		05/19/23 12:05	1	95	Equipment
SAIFI-05	SAIFI	5	SNOVR0302	-		05/20/23 08:54	1	135	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-		05/22/23 09:30	1	20	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-		05/22/23 10:32	1	14	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		05/22/23 10:45	1	42	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-		05/22/23 11:13	1	6	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-		05/22/23 11:29	1	26	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		05/22/23 12:26	1	14	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		05/23/23 09:35	1	42	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-		05/23/23 09:53	2	116	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-		05/23/23 11:47	2	48	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		05/23/23 11:47	1	24	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-		05/23/23 12:46	1	18	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-		05/23/23 13:37	1	20	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-		05/23/23 13:37	1	20	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		05/24/23 09:00	1	25	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-		05/24/23 10:32	1	55	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		05/24/23 10:33	6	328	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		06/01/23 13:12	1	94	Planned
SAIFI-05	SAIFI	5	SNOVR0302	-		06/06/23 08:11	1	108	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		06/30/23 01:20	5	2,744	Vegetation
SAIFI-05	SAIFI	5	SNOVR0302	-		07/11/23 11:52	1	15	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		07/13/23 01:28	1	937	Weather
SAIFI-05	SAIFI	5	SNOVR0302	-		07/13/23 01:37	4	3,680	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		07/13/23 13:26	1	41	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		07/17/23 11:45	2	71	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		07/17/23 11:45	1	36	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		07/25/23 09:51	1	53	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		08/08/23 14:23	338	83,884	Equipment
SAIFI-05	SAIFI	5	SNOVR0302	MED	Cat	08/24/23 20:06	1	6	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		09/18/23 10:44	1	13	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		09/18/23 12:15	1	34	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		09/19/23 10:47	2	15	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		09/28/23 09:57	5	222	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		10/18/23 15:39	74	9,897	Equipment
SAIFI-05	SAIFI	5	SNOVR0302	-		10/18/23 15:39	1	106	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		10/23/23 12:43	1	41	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		11/09/23 12:59	1	12	Vegetation

SAIFI-05	SAIFI	5	SNOVR0302	-		11/09/23 22:14	1	704	Equipment
SAIFI-05	SAIFI	5	SNOVR0302	-		11/10/23 20:57	5	43	Other
SAIFI-05	SAIFI	5	SNOVR0302	-		11/21/23 07:11	1	294	Equipment
SAIFI-06	SAIFI	6	SDF012641	-		03/17/23 03:39	102	17,492	Weather
SAIFI-06	SAIFI	6	SDF012641	-		03/17/23 03:39	1	172	Weather
SAIFI-06	SAIFI	6	SDF012641	-		04/05/23 08:56	1	504	Lightning
SAIFI-06	SAIFI	6	SDF012641	-		04/27/23 09:38	1	308	Other
SAIFI-06	SAIFI	6	SDF012641	-		05/05/23 09:41	1	17	Planned
SAIFI-06	SAIFI	6	SDF012641	-		05/05/23 12:17	1	7	Planned
SAIFI-06	SAIFI	6	SDF012641	-		05/05/23 13:09	1	10	Planned
SAIFI-06	SAIFI	6	SDF012641	-		05/05/23 13:10	1	10	Other
SAIFI-06	SAIFI	6	SDF012641	-		05/05/23 13:59	1	19	Planned
SAIFI-06	SAIFI	6	SDF012641	-		05/08/23 10:52	1	22	Planned
SAIFI-06	SAIFI	6	SDF012641	-		05/08/23 13:27	1	19	Other
SAIFI-06	SAIFI	6	SDF012641	-		05/08/23 13:27	1	19	Planned
SAIFI-06	SAIFI	6	SDF012641	-		05/11/23 08:55	1	87	Other
SAIFI-06	SAIFI	6	SDF012641	-		05/16/23 09:14	1	26	Planned
SAIFI-06	SAIFI	6	SDF012641	-		06/05/23 10:52	1	6	Other
SAIFI-06	SAIFI	6	SDF012641	MED	Small	07/20/23 22:02	1	1,106	Weather
SAIFI-06	SAIFI	6	SDF012641	-		08/01/23 10:09	1	21	Other
SAIFI-06	SAIFI	6	SDF012641	-		08/18/23 10:53	102	43,382	Equipment
SAIFI-06	SAIFI	6	SDF012641	-		09/12/23 08:34	78	17,498	Equipment
SAIFI-06	SAIFI	6	SDF012641	-		09/12/23 08:34	126	28,267	Equipment
SAIFI-06	SAIFI	6	SDF012641	-		09/16/23 09:15	102	38,219	Vegetation
SAIFI-06	SAIFI	6	SDF012641	-		12/21/23 13:00	1	133	Equipment
SAIFI-07	SAIFI	7	ARMAD0302	-		01/05/23 09:17	1	17	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		02/02/23 11:12	2	45	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		02/03/23 11:55	2	89	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		02/05/23 10:57	1	9	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		02/07/23 14:43	2	31	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		02/11/23 14:26	1	42	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		02/13/23 11:05	2	113	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-	Small	02/15/23 10:54	2	444	Weather
SAIFI-07	SAIFI	7	ARMAD0302	-	Small	02/15/23 15:19	336	68,302	Weather
SAIFI-07	SAIFI	7	ARMAD0302	-	Small	02/16/23 07:12	2	463	Weather
SAIFI-07	SAIFI	7	ARMAD0302	-		02/17/23 11:12	1	50	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		02/20/23 10:59	1	37	Planned
SAIFI-07	SAIFI	7	ARMAD0302	MED	Cat	03/03/23 22:30	159	203,260	Weather
SAIFI-07	SAIFI	7	ARMAD0302	-		03/09/23 15:27	1	37	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		03/16/23 11:58	22	1,445	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		03/16/23 11:59	6	740	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		03/19/23 16:23	1	633	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		03/20/23 20:37	3	56	Weather

SAIFI-07	SAIFI	7	ARMAD0302	-		03/21/23 10:54	1	172	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		03/21/23 10:54	1	172	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		03/23/23 17:44	1	118	Equipment
SAIFI-07	SAIFI	7	ARMAD0302	-		03/23/23 17:45	1	118	Equipment
SAIFI-07	SAIFI	7	ARMAD0302	-		03/29/23 12:19	1	107	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		03/30/23 16:30	2	11	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		04/04/23 19:04	2	46	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		04/05/23 13:32	2	476	Equipment
SAIFI-07	SAIFI	7	ARMAD0302	-		04/08/23 10:09	1	1,664	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		04/11/23 12:45	1	111	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		04/23/23 18:58	1	194	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		04/26/23 10:53	2	71	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		05/08/23 10:12	1	111	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		05/08/23 10:44	1	53	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		05/08/23 15:10	1	42	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		05/08/23 15:10	1	42	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		05/13/23 14:10	1	19	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		05/13/23 15:22	1	37	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		05/14/23 10:36	1	52	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		05/14/23 13:08	1	66	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		05/14/23 14:56	1	56	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		05/16/23 14:13	2	80	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		05/18/23 15:30	1	62	Equipment
SAIFI-07	SAIFI	7	ARMAD0302	-		05/21/23 10:42	1	29	Other
SAIFI-07	SAIFI	7	ARMAD0302	MED		05/31/23 13:00	1	25	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		06/13/23 08:55	1	134	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		06/14/23 09:42	1	47	Planned
SAIFI-07	SAIFI	7	ARMAD0302	MED	Small	06/26/23 02:16	1	1,003	Weather
SAIFI-07	SAIFI	7	ARMAD0302	-	Small	06/27/23 14:52	1	167	Weather
SAIFI-07	SAIFI	7	ARMAD0302	-		07/06/23 10:05	1	14	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		07/10/23 19:17	1	33	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		07/14/23 17:58	1	5	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		07/17/23 21:07	318	70,672	Equipment
SAIFI-07	SAIFI	7	ARMAD0302	MED	Small	07/20/23 15:36	319	618,445	Equipment
SAIFI-07	SAIFI	7	ARMAD0302	-		07/23/23 23:12	335	79,420	Equipment
SAIFI-07	SAIFI	7	ARMAD0302	-		08/08/23 18:24	334	37,081	Equipment
SAIFI-07	SAIFI	7	ARMAD0302	-		08/15/23 07:15	1	130	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		08/15/23 07:15	326	42,499	Weather
SAIFI-07	SAIFI	7	ARMAD0302	-	Cat	08/29/23 10:17	1	153	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		10/06/23 12:58	1	25	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		10/11/23 09:39	1	177	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		10/17/23 08:50	1	142	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		10/18/23 10:32	1	81	Planned

SAIFI-07	SAIFI	7	ARMAD0302	-		10/18/23 14:17	1	12	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		10/19/23 08:56	1	18	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		10/19/23 10:54	2	41	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		10/21/23 08:48	1	58	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		10/21/23 10:40	1	21	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		10/21/23 11:36	1	13	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		10/21/23 11:36	1	13	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		10/23/23 10:09	1	104	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		10/23/23 14:00	1	6	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		10/23/23 14:00	1	6	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		10/25/23 09:11	2	25	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		10/25/23 09:45	1	47	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		11/02/23 11:23	1	57	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		11/03/23 12:43	1	48	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		11/12/23 08:55	1	212	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		11/15/23 10:56	1	11	Equipment
SAIFI-07	SAIFI	7	ARMAD0302	-		11/15/23 10:56	1	11	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		11/15/23 13:14	1	6	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		11/17/23 17:16	1	32	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		11/29/23 10:13	1	7	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		12/13/23 08:44	1	125	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		12/20/23 09:30	1	46	Other
SAIFI-07	SAIFI	7	ARMAD0302	-		12/21/23 10:55	1	6	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		12/21/23 12:32	1	14	Planned
SAIFI-07	SAIFI	7	ARMAD0302	-		12/24/23 09:23	1	106	Equipment
SAIFI-08	SAIFI	8	SNOVR0301	-		01/01/23 01:04	1	2,327	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		01/01/23 01:04	175	107,423	Equipment
SAIFI-08	SAIFI	8	SNOVR0301	-		01/01/23 11:06	46	27,756	Equipment
SAIFI-08	SAIFI	8	SNOVR0301	-		01/01/23 11:06	2	1,207	Equipment
SAIFI-08	SAIFI	8	SNOVR0301	-		01/01/23 11:06	18	10,860	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		01/01/23 21:08	115	68,839	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		01/01/23 23:47	1	8	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		01/03/23 03:45	127	4,811	Equipment
SAIFI-08	SAIFI	8	SNOVR0301	-		01/03/23 16:49	1	36	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		01/03/23 16:49	233	8,594	Other
SAIFI-08	SAIFI	8	SNOVR0301	MED	Cat	02/24/23 11:55	1	29	Weather
SAIFI-08	SAIFI	8	SNOVR0301	MED	Cat	02/25/23 15:24	1	31	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		03/20/23 22:08	1	221	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		04/04/23 11:14	2	167	Planned
SAIFI-08	SAIFI	8	SNOVR0301	-		04/15/23 13:15	1	36	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		05/11/23 13:30	1	70	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		07/09/23 09:48	2	525	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		07/25/23 13:17	1	10	Planned

SAIFI-08	SAIFI	8	SNOVR0301	MED	Cat	07/26/23 14:43	1	7	Weather
SAIFI-08	SAIFI	8	SNOVR0301	MED	Cat	07/27/23 09:49	1	30	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		07/31/23 11:41	1	40	Planned
SAIFI-08	SAIFI	8	SNOVR0301	-		08/08/23 14:23	2	497	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		08/08/23 14:23	166	41,198	Equipment
SAIFI-08	SAIFI	8	SNOVR0301	-		08/08/23 14:23	1	248	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		08/08/23 14:23	1	248	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		08/12/23 10:41	2	48	Equipment
SAIFI-08	SAIFI	8	SNOVR0301	-		08/16/23 13:19	1	9	Other
SAIFI-08	SAIFI	8	SNOVR0301	-		10/13/23 07:49	1	87	Other
SAIFI-09	SAIFI	9	SDF339897	-		01/03/23 06:21	1	580	Vegetation
SAIFI-09	SAIFI	9	SDF339897	-		01/09/23 15:27	1	5	Other
SAIFI-09	SAIFI	9	SDF339897	-	Small	02/15/23 10:28	1	1,550	Weather
SAIFI-09	SAIFI	9	SDF339897	-	Small	02/15/23 21:31	1	27	Weather
SAIFI-09	SAIFI	9	SDF339897	-	Small	02/15/23 21:31	1	27	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/22/23 17:03	12	101,820	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/22/23 19:33	5	25,666	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/22/23 19:33	5	42,629	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/22/23 20:16	2	18,122	Other
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/22/23 22:34	2	19,531	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/22/23 23:56	1	216	Other
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/23/23 00:51	148	360,543	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/24/23 00:05	1	124	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/24/23 02:50	2	70	Other
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/24/23 03:35	1	5	Other
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/24/23 07:13	1	6	Other
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/24/23 11:55	84	189,711	Vegetation
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/24/23 15:53	84	55,845	Weather
SAIFI-09	SAIFI	9	SDF339897	-	Cat	02/26/23 12:39	144	4,544	Weather
SAIFI-09	SAIFI	9	SDF339897	-	Cat	02/26/23 14:55	1	27	Other
SAIFI-09	SAIFI	9	SDF339897	-	Cat	02/26/23 19:24	1	9	Other
SAIFI-09	SAIFI	9	SDF339897	-	Cat	02/26/23 20:12	1	22	Other
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/27/23 16:54	2	88	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	02/27/23 16:54	6	265	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	03/03/23 20:19	1	2,629	Other
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	03/03/23 20:26	28	98,272	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	03/03/23 20:26	2	7,500	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	03/03/23 22:56	1	3,587	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	03/04/23 02:27	2	18	Other
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	03/04/23 03:24	2	14	Other
SAIFI-09	SAIFI	9	SDF339897	-	Cat	03/06/23 08:12	3	22	Vegetation
SAIFI-09	SAIFI	9	SDF339897	-	Cat	03/06/23 11:22	1	142	Weather
SAIFI-09	SAIFI	9	SDF339897	-	Cat	03/06/23 15:03	2	324	Weather

SAIFI-09	SAIFI	9	SDF339897	-	Cat	03/07/23 19:06	1	28	Other
SAIFI-09	SAIFI	9	SDF339897	-		03/17/23 12:49	1	22	Other
SAIFI-09	SAIFI	9	SDF339897	-		03/28/23 13:48	341	42,010	Other
SAIFI-09	SAIFI	9	SDF339897	-		05/02/23 19:11	1	78	Planned
SAIFI-09	SAIFI	9	SDF339897	-		05/17/23 13:07	1	27	Other
SAIFI-09	SAIFI	9	SDF339897	-		05/17/23 13:07	5	135	Other
SAIFI-09	SAIFI	9	SDF339897	-		05/19/23 23:05	340	48,696	Vegetation
SAIFI-09	SAIFI	9	SDF339897	-		05/25/23 10:22	340	21,465	Equipment
SAIFI-09	SAIFI	9	SDF339897	-		05/30/23 01:49	341	30,210	Wildlife
SAIFI-09	SAIFI	9	SDF339897	-		06/12/23 11:14	1	58	Planned
SAIFI-09	SAIFI	9	SDF339897	-		06/12/23 11:14	6	345	Other
SAIFI-09	SAIFI	9	SDF339897	-		06/15/23 17:26	1	511	Weather
SAIFI-09	SAIFI	9	SDF339897	-		06/16/23 01:06	7	353	Other
SAIFI-09	SAIFI	9	SDF339897	-		06/24/23 10:37	1	88	Wildlife
SAIFI-09	SAIFI	9	SDF339897	-		06/24/23 10:38	1	88	Other
SAIFI-09	SAIFI	9	SDF339897	-		06/24/23 10:38	1	88	Wildlife
SAIFI-09	SAIFI	9	SDF339897	MED		06/25/23 12:46	341	30,525	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Small	06/25/23 18:12	342	331,400	Weather
SAIFI-09	SAIFI	9	SDF339897	-		07/25/23 09:28	2	82	Planned
SAIFI-09	SAIFI	9	SDF339897	-		07/26/23 09:24	1	55	Other
SAIFI-09	SAIFI	9	SDF339897	-		07/26/23 09:24	1	55	Planned
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	07/26/23 15:01	1	4,606	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	07/26/23 15:01	26	117,412	Vegetation
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	07/26/23 15:01	1	3,098	Other
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	07/26/23 15:32	1	3,067	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	07/26/23 15:32	13	54,822	Vegetation
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	07/26/23 15:32	1	4,434	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	07/26/23 15:32	288	901,339	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	07/26/23 15:32	1	4,415	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	07/26/23 15:32	1	3,067	Weather
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	07/26/23 15:32	21	92,890	Vegetation
SAIFI-09	SAIFI	9	SDF339897	-		08/01/23 09:02	1	34	Planned
SAIFI-09	SAIFI	9	SDF339897	-		08/07/23 10:29	2	72	Other
SAIFI-09	SAIFI	9	SDF339897	-		08/08/23 09:48	5	210	Planned
SAIFI-09	SAIFI	9	SDF339897	-		08/09/23 09:16	1	37	Planned
SAIFI-09	SAIFI	9	SDF339897	-		08/09/23 10:48	5	208	Planned
SAIFI-09	SAIFI	9	SDF339897	-		08/10/23 09:33	2	77	Planned
SAIFI-09	SAIFI	9	SDF339897	-		08/10/23 11:12	7	225	Planned
SAIFI-09	SAIFI	9	SDF339897	-		08/17/23 19:05	1	32	Other
SAIFI-09	SAIFI	9	SDF339897	MED	Cat	08/24/23 22:16	21	81,469	Weather
SAIFI-09	SAIFI	9	SDF339897	-	Cat	08/27/23 12:57	30	4,202	Weather
SAIFI-09	SAIFI	9	SDF339897	-		09/06/23 12:24	1	5	Other
SAIFI-09	SAIFI	9	SDF339897	-		09/06/23 18:28	6	450	Vegetation

SAIFI-09	SAIFI	9	SDF339897	-		09/29/23 20:44	1	8	Other
SAIFI-09	SAIFI	9	SDF339897	-		09/30/23 08:44	1	348	Other
SAIFI-09	SAIFI	9	SDF339897	-		09/30/23 19:03	5	90	Other
SAIFI-09	SAIFI	9	SDF339897	-		10/14/23 09:32	2	10	Other
SAIFI-09	SAIFI	9	SDF339897	-		11/12/23 14:31	2	52	Other
SAIFI-09	SAIFI	9	SDF339897	-		11/17/23 00:18	1	134	Equipment
SAIFI-09	SAIFI	9	SDF339897	-		11/17/23 00:18	6	805	Equipment
SAIFI-09	SAIFI	9	SDF339897	-		12/28/23 09:14	4	50	Planned
SAIFI-09	SAIFI	9	SDF339897	-		12/28/23 11:17	6	76	Planned
SAIFI-09	SAIFI	9	SDF339897	-		12/28/23 11:17	1	13	Other
SAIFI-09	SAIFI	9	SDF339897	-		12/29/23 09:49	2	144	Planned
SAIFI-09	SAIFI	9	SDF339897	-		12/29/23 12:12	4	204	Planned
SAIFI-10	SAIFI	10	CABOT9490	MED	Cat	02/22/23 20:07	300	99,988	Weather
SAIFI-10	SAIFI	10	CABOT9490	MED	Cat	03/03/23 17:47	2	5,300	Weather
SAIFI-10	SAIFI	10	CABOT9490	MED	Cat	03/03/23 17:47	147	144,402	Weather
SAIFI-10	SAIFI	10	CABOT9490	MED	Cat	03/03/23 17:47	5	8,450	Other
SAIFI-10	SAIFI	10	CABOT9490	-		03/09/23 16:02	3	80	Equipment
SAIFI-10	SAIFI	10	CABOT9490	-		03/09/23 16:02	2	53	Equipment
SAIFI-10	SAIFI	10	CABOT9490	-		03/15/23 11:03	3	338	Other
SAIFI-10	SAIFI	10	CABOT9490	-		03/15/23 14:21	3	301	Planned
SAIFI-10	SAIFI	10	CABOT9490	MED	Small	03/25/23 14:23	153	10,677	Weather
SAIFI-10	SAIFI	10	CABOT9490	-		04/02/23 05:04	148	35,100	Equipment
SAIFI-10	SAIFI	10	CABOT9490	-		05/09/23 12:00	146	932	Planned
SAIFI-10	SAIFI	10	CABOT9490	-		05/28/23 14:49	4	21	Equipment
SAIFI-10	SAIFI	10	CABOT9490	-		06/15/23 23:30	30	798	Weather
SAIFI-10	SAIFI	10	CABOT9490	-		06/16/23 05:32	59	1,167	Equipment
SAIFI-10	SAIFI	10	CABOT9490	-		06/16/23 10:22	1	9	Other
SAIFI-10	SAIFI	10	CABOT9490	MED	Cat	07/27/23 13:58	150	40,364	Other
SAIFI-10	SAIFI	10	CABOT9490	-		08/20/23 23:39	1	7	Other
SAIFI-10	SAIFI	10	CABOT9490	-		08/20/23 23:39	149	1,055	Other
SAIFI-10	SAIFI	10	CABOT9490	MED	Cat	08/24/23 22:40	5	19,735	Weather
SAIFI-10	SAIFI	10	CABOT9490	-		09/23/23 12:46	146	11,694	Equipment

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Respondent: M. Hatsios

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- Question:** 27. Refer to the direct testimony of Michael J. Hatsios (Hatsios) p.29-31, particularly on p. MJH-31 where Witness Hatsios states the outage transaction goals for 2023-2024 on improving the timeliness and accuracy of power status updates and restoration estimates.
- a. Please describe the process for how DTE determines and communicates outage restoration estimates. Please also confirm if the company provides estimated times of restoration or simply estimated day of restoration for outage events.

Answer: The referenced Hatsios direct testimony in the question above is on Page MJH-32, Lines 6-8.

Generating an outage restoration estimate

There are two ways outage restoration estimates are generated differentiated by Non-Storm or Storm.

Non-Storm (includes Blue Sky and Gray Sky-High Impact Day)

During non-storm outages, outage restoration estimates are generated automatically through our Outage Management System (OMS) once an outage event is created, based on set rules that have been developed. Gray Sky is a High-Impact Day.

Storm

In storm outage events, DTE has a designated storm role team that is assigned to generating storm outage restoration estimates. During storms, the team provides constant support to generate a multi-day estimate strategy that aligns with our restoration priorities and inputs the estimates into the OMS to be communicated to customers.

Long-term, to reduce the amount of time required to provide customers a manual restoration estimate during storms, we have developed several versions of a restoration estimate machine learning model and are in the process of validating the models against historical storm data. Once fully developed, the machine learning model will improve the timeliness of delivering storm estimates. This summer, we are evaluating the chosen model's ability to generate restoration estimates alongside our existing manual method to gauge the level of improvement and its accuracy. Once

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the accuracy of the model is established, we will integrate it with the OMS system. Peers with estimate models have spent several years refining their models. See Witness Hatsios direct testimony on Pages MJH-76 Line 3 through MJH-77 Line 5.

Communicating outage restoration estimates

For both non-storm and storm scenarios, customers can see their restoration estimate as soon as the estimate is generated by clicking their associated outage on the DTE Outage Map, by checking their outage status in the DTE Outage Center, or by receiving a SMS/email notification if subscribed.

In non-storm events, customers are provided both a day and timestamp for their estimate. In storm, customers receive the day they will be restored. See table below.

		NON – STORM Blue Sky & Gray Sky-High Impact Day	STORM
Global Estimate	Definition	Not Applicable. A global estimate is <u>not</u> generated in non-Storm conditions.	General communication applicable for all impacted customers, specifies the percentage of customers expected to be restored by a certain day. <i>Example: 90% of customers restored by end of day Wednesday</i>
	Expected Timelines for Communication		1 hour after weather clears. <i>(*If Weather clears during overnight hours between 12:00am-5:00am, process will begin at 6:00 am)</i>
Outage- Specific Estimates	Definition	Premise-level specific restoration estimate, developed for each Outage Event	Premise-level specific restoration estimate, developed for each Outage Event
	Expected Timelines for Communication	Customer should receive an estimate within 60 minutes of their outage.	4-6 hours after weather clears the service territory. <i>(*If Weather clears during overnight hours between 12:00am-5:00am, 4-6 hours will begin at 6:00 am)</i>

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Estimate Visibility	Customers	Both day and time of their estimate	Only see the day of the estimate
		Estimated Restoration Nov 14, 2023, 12:00 PM	Estimated Restoration Friday, August 4

Attachment: None.

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Question No.: MNSCDE-13.27bi

Respondent: M. Hatsios

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- Question:** 27. Refer to the direct testimony of Michael J. Hatsios (Hatsios) p.29-31, particularly on p. MJH-31 where Witness Hatsios states the outage transaction goals for 2023-2024 on improving the timeliness and accuracy of power status updates and restoration estimates.
- b. Please provide a ten year historical overview of the following, for all-weather, storm- only, and non-storm:
- i. The accuracy of the first restoration estimates provided to customers (i.e., for every customer that received an outage estimate, the percentage of those customers who had their power restored within that estimate)

Answer: Our Company's measurement of estimate accuracy has evolved significantly, with our recent focus on providing our customers with Error Free Communications related to their outage status. Below, we show the methods we used to measure estimate accuracy and the applicable time periods in which historical data is available.

- 2018 – 2022: Blue Sky Estimate Accuracy
- 2022 – 2024 YTD: Storm First Estimate Accuracy
- 2023 – 2024 YTD: Non-Storm (Blue-Sky & Gray Sky) First Estimate Accuracy

Blue Sky Estimate Accuracy

From 2018-2022, our Company measured estimate accuracy for Blue Sky days only. Since then, we have evolved our calculation to include all weather events (Storm & Gray Sky days) and more granularity on the specific reasons why an estimate was not accurate. We are also approaching the calculation from the perspective of the customer's experience. Please note, our Blue Sky estimate accuracy calculation from 2018 - 2022 is significantly different from how we measure estimate accuracy today. See table below for the differences. Below the table is our Blue Sky estimate accuracy by year.

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		2018 - 2022 First Estimate Accuracy	2023 - 2024 First Estimate Accuracy
Weather Included		Blue Sky Limitation: No visibility on Gray Sky Days	Blue Sky & Gray Sky
Data Source		Outage-Management System Focused OMS; AMI-Audited Restoration Limitation: Does not directly correlate to estimate communications to the customer.	Customer-Facing Calculation WISMO; AMI-Audited Restoration Advantage: Quantifies the estimates made visible to our customers on the outage map, check status, and notification platforms.
Accuracy Criteria:	# of Estimates	No failure criteria for multiple estimates Evaluate any estimate generated on the job	Customer must receive a single estimate
	Restoration Timeframe	Customer is restored within 3 hours of the time provided in the estimate	Customer is restored no earlier than 3 hours, no later than 10 minutes of the time provided in the estimate
Granularity		No visibility on reason why the estimate was not accurate (Only Pass or Fail recorded)	Specific failure criteria developed to provide visibility on the reason why an estimate was not accurate (Restored Too Early, Restored Too Late, Multiple Estimates Provided)

2018-2022 Blue Sky Estimate Accuracy

2018: 91%
2019: 96%
2020: 97%
2021: 95%
2022: 90%
Yearly Target = 95%

First Estimate Accuracy

The Company measures First Estimate Accuracy as the percent of customers that received a single and accurate estimated restoration time (ETR). During a storm, an estimate is accurate if the customer receives a single estimate communication and is restored the same day as the day provided in the estimate. First Estimate Accuracy is defined more stringently during a non-storm day, as the customer must receive a single estimate and be restored no earlier than 3 hours prior and no later than 10 minutes past the estimated time communicated during Blue Sky and no earlier than 8 hours prior and no later

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than 10 minutes past the estimated time communicated during Gray Sky. See table below. Below the table is our First Estimate Accuracy by year.

	NON – STORM Blue Sky & Gray Sky	STORM
What is an Accurate Estimate?	Both of the following must be true: 1. Customer receives a <u>single estimate</u>. 2. Customer is restored: - Blue Sky: - <u>No earlier</u> than 3-hours prior and - <u>No later</u> than 10 minutes past the estimate - Gray Sky-High-Impact Day: - <u>No earlier</u> than 8-hours prior and - <u>No later</u> than 10 minutes past the estimate	Both of the following must be true: 1. Customer receives a single estimate. 2. Customer is restored on the day provided in the ETR

2022-2024 June YTD First Estimate Accuracy

Storm – Catastrophic:

2022: 31%

2023: 46%

2024 June YTD: 70%

2024 Target: 65%

Storm – Non-Catastrophic:

2022: 42%

2023: 60%

2024 June YTD: 55%

2024 Target: 65%

Non-Storm (Blue Sky and Gray Sky):

2023: 45%

2024 June YTD: 57%

2024 Target: 70%

Attachment: None.

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Requester: MNSC

Question No.: MNSCDE-13.27bii

Respondent: M. Hatsios

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- Question:** 27. Refer to the direct testimony of Michael J. Hatsios (Hatsios) p.29-31, particularly on p. MJH-31 where Witness Hatsios states the outage transaction goals for 2023-2024 on improving the timeliness and accuracy of power status updates and restoration estimates.
- b. Please provide a ten year historical overview of the following, for all-weather, storm- only, and non-storm:
- ii. For customers who were not restored within their estimated window, the percentage of customers who were given a revised estimate.

Answer:

As mentioned in MNSCDE-13.27bi, we developed specific failure criteria to provide visibility on the reason why an estimate was not accurate, allowing the team to deep-dive and problem solve areas of opportunity starting in 2023 for both storm and non-storm. Hence, the granularity required to answer this question is only available for 2023-2024 June YTD. The percentage of customers who received one or more revised estimates are provided in blue font below.

Storm – Catastrophic

2023	46% of customers received a single, accurate estimate. 29% were restored 1+ day earlier than the day provided on their single estimate. Earlier 2 nd estimates are not communicated to customers. 5% of customers received a revised estimate, but were restored by the day provided in their first estimate (2 nd estimate was unnecessary) 20% of customers required a 2 nd revised estimate (not restored by day provided in 1 st estimate)
2024 (June YTD)	70% of customers received a single, accurate estimate. 21% were restored 1+ day earlier than the day provided on their single estimate. Earlier 2 nd estimates are not communicated to customers.

	4% of customers received a revised estimate, but were restored by the day provided in their first estimate (2nd estimate was unnecessary) 5% of customers required a 2nd revised estimate (not restored by day provided in 1st estimate)
--	---

Storm – Non-Catastrophic

2023	60% of customers received a single, accurate estimate. 11% were restored 1+ day earlier than the day provided on their single estimate. Earlier 2nd estimates are not communicated to customers. 16% of customers received a revised estimate, but were restored by the day provided in their first estimate (2nd estimate was unnecessary) 13% of customers required a 2nd revised estimate (not restored by day provided in 1st estimate)
2024 (June YTD)	55% of customers received a single, accurate estimate. 15% were restored 1+ day earlier than the day provided on their single estimate. Earlier 2nd estimates are not communicated to customers. 16% of customers received a revised estimate, but were restored by the day provided in their first estimate (2nd estimate was unnecessary) 14% of customers required a 2nd revised estimate (not restored by day provided in 1st estimate)

Non-Storm (Blue Sky and Gray Sky)

2023	45% of customers received a single, accurate estimate. 14% were restored more than 3 hours earlier than timestamp provided on their single estimate. Earlier 2nd estimates are not communicated to customers. 14% of customers received a revised estimate, but were restored by the timestamp provided in their first estimate (2nd estimate unnecessary) 27% of customers required a 2nd revised estimate (not restored by timestamp provided in 1st estimate)
2024	57% of customers received a single, accurate estimate.

(January - June YTD)	8% were restored more than 3 hours earlier than timestamp provided on their single estimate. Earlier 2nd estimates are not communicated to customers. 12% of customers received a revised estimate, but were restored by the timestamp provided in their first estimate (2nd estimate unnecessary) 23% of customers required a 2nd revised estimate (not restored by timestamp provided in 1st estimate)
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Attachment: None.

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Requester: MNSC

Question No.: MNSCDE-13.27biii

Respondent: M. Hatsios

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- Question:** 27. Refer to the direct testimony of Michael J. Hatsios (Hatsios) p.29-31, particularly on p. MJH-31 where Witness Hatsios states the outage transaction goals for 2023-2024 on improving the timeliness and accuracy of power status updates and restoration estimates.
- b. Please provide a ten year historical overview of the following, for all-weather, storm- only, and non-storm:
- iii. For those customers given a revised estimate in Part ii of this question, the accuracy of that second estimate as described in Part i,

Answer: We do not currently measure second estimate accuracy. Our main focus is in providing our customers a single, accurate estimate. However, we can quantify the number of Estimate Time of Restorations (ETRs) provided to customers before they were restored.

Out of the customers who received multiple (2 or more) estimates, we provide below the percentage of customers who received 2 total ETRs (only 1 revised estimate) before they were restored. As noted in previous responses and for consistency, the data required to answer this question is only available for 2023-2024 June YTD.

Storm – Catastrophic:

2023: 77%

2024 June YTD: 92%

Storm – Non-Catastrophic:

2023: 78%

2024 June YTD: 89%

Non-Storm:

2023: 74%

2024 June YTD: 74%

Attachment: None.

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Requester: MNSC

Question No.: MNSCDE-13.27biv

Respondent: M. Hatsios

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- Question:** 27. Refer to the direct testimony of Michael J. Hatsios (Hatsios) p.29-31, particularly on p. MJH-31 where Witness Hatsios states the outage transaction goals for 2023-2024 on improving the timeliness and accuracy of power status updates and restoration estimates.
- b. Please provide a ten year historical overview of the following, for all-weather, storm- only, and non-storm:
- iv. The percentage of customers who were not given any estimate

Answer: As described in MNSCDE-13.27a, outage restoration estimates are communicated and visible to customers if they click on their associated outage on the DTE Outage Map or check their outage status in the DTE Outage Center. A customer can also receive an estimate communication if their outage was reported, and they are subscribed to receive SMS/email notifications.

There are a few exceptions below when a customer would not have an outage-specific estimate visible to them.

Storm: (1) If the customer is restored between the time estimates are disabled in anticipation of a storm, and (2) the time before a storm estimate strategy is developed, and (3) the time before the initial damage assessment and restoration priorities are established.

Non-Storm: If the customer is restored within the first 30 minutes after outage creation, before estimates are communicated.

Attachment: None.

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Requester: MNSC

Question No.: MNSCDE-13.27v

Respondent: M. Hatsios

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- Question:** 27. Refer to the direct testimony of Michael J. Hatsios (Hatsios) p.29-31, particularly on p. MJH-31 where Witness Hatsios states the outage transaction goals for 2023-2024 on improving the timeliness and accuracy of power status updates and restoration estimates.
- b. Please provide a ten year historical overview of the following, for all-weather, storm- only, and non-storm:
- v. The percentage of customers who only received a system-generated estimate (i.e. where an updated estimate was never provided by a crew)

Answer: As noted in previous responses and for consistency, the data required to answer this question is only available for 2023-2024 June YTD.

As described in MNSCDE-13.27a, in non-storm weather conditions (Blue Sky and Gray Sky), a customer's first estimate will always be automatically generated from the Outage Management System (OMS), based on set rules that have been developed. In storm, a customer's first estimate will be manually provided per the storm estimate strategy.

As non-storm estimates are automatically generated from OMS, the percentages of customers provided below reflect only estimates during non-storm weather conditions.

Non-Storm:

2023: 59%

2024 June YTD: 65%

Attachment: None.

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Requester: MNSC

Question No.: MNSCDE-13.2b

Respondent: M. Fix

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Question: 2. Please refer to Company response to ABATE Discovery ABDE-1.6 and related testimony. The Company indicates multiple temporary O&M reduction measures were taken in 2023.

b. Please provide the number of employees who elected the Voluntary Separation Incentive and the cost reduction associated with those departures by business unit and why this program would not reduce spending below 2022 levels.

Answer: DTE Electric objects for the reason that the information requested consists of confidential, proprietary, research and development of trade secrets, or commercial information, the disclosure of which would cause DTE Electric, its ratepayers, and its customers competitive harm. Subject to these objections, but without waiving them, DTE Electric's response follows

Please see response to AGDE-1.23c. Also see attachment entitled "NDA_U-21534 MNSCDE-13.2b Preliminary Estimated Net VSIP O&M Savings" for the information by business unit. Please note that this is a preliminary estimate that will continue to evolve due to the need to fill many key roles. Moreover, this estimate does not include any offset for the costs of the program.

Even if the Company is able to realize the estimated savings of \$20.2 million in 2025, this is less than the \$42.5 million of projected increases in the Company's O&M expense between 2022 and 2025. See Exhibit A-13, Schedule C5. To the extent actual savings are realized in 2025, they will be embedded in the Company's rates as actual costs in a future rate case.

Attachment: NDA_U-21534 MNSCDE-13.2b Preliminary Estimated Net VSIP O&M Savings

Power Supply

2024-2025 Forecast Allocation Schedules	Annual kWh	12 CP	MNSC WSCI ¹
Rate Class	100	200A	200B
D1.11 Res, D1.1 Interruptible Space Cond.& D5 Wtr Htg.	0.39020	0.44337	0.45481
D1.2 TOU	0.00519	0.00474	0.00415
D2 Residential Space Heating	0.00746	0.00761	0.03061
D3 Gen. Service, D5 Comm. Wtr. Htg. & R8 Space Cond.	0.20380	0.20082	0.19731
D3.2 Schools - Secondary Voltage	0.00876	0.00836	0.00851
D4 Large General Service	0.04587	0.04103	0.04252
D11 Primary Supply	0.29056	0.22645	0.23618
D6.2 Schools - Primary Voltage	0.01766	0.01632	0.00966
D8 Interruptible Primary Supply	0.01283	0.01053	0.00623
R1.1 (Alternate Metal Melting) and R1.2 (Process Heat)	0.01197	0.01025	0.00742
R10 Interruptible Supply	0.00000	0.02659	0.00000
D9 Res OPL	0.00016	0.00011	0.00006
D9 Comm OPL	0.00072	0.00049	0.00023
E1 Street Lighting	0.00324	0.00223	0.00124
E2 Traffic Signals	0.00158	0.00109	0.00106
Total	1.00000	1.00000	1.00000

Power Supply

2024-2025 Forecast Allocation Schedules	Basis	Basis	MNSC WSCI ¹
Rate Class	100	200A	200B
D1.11 Res, D1.1 Interruptible Space Cond.& D5 Wtr Htg.	16,168,548	3,039	3,851
D1.2 TOU	215,185	33	35
D2 Residential Space Heating	309,045	52	259
D3 Gen. Service, D5 Comm. Wtr. Htg. & R8 Space Cond.	8,444,612	1,377	1,671
D3.2 Schools - Secondary Voltage	362,914	57	72
D4 Large General Service	1,900,717	281	360
D11 Primary Supply	12,039,864	1,552	2,000
D6.2 Schools - Primary Voltage	731,679	112	82
D8 Interruptible Primary Supply	531,722	72	53
R1.1 (Alternate Metal Melting) and R1.2 (Process Heat)	496,182	70	63
R10 Interruptible Supply	0	182	0
D9 Res OPL	6,585	1	1
D9 Comm OPL	29,740	3	2
E1 Street Lighting	134,090	15	11
E2 Traffic Signals	65,304	7	9
Total	41,436,188	6,855	8,466

Per Source File	41,436,188	6,855	8,466
Check	-	-	(0.00)

Power Supply

2024-2025 Forecast Allocation Schedules	Annual kWh	12 CP	MNSC 9CP
Rate Class	100	200A	200B
D1.11 Res, D1.1 Interruptible Space Cond.& D5 Wtr Htg.	0.39020	0.44337	0.45088
D1.2 TOU	0.00519	0.00474	0.00390
D2 Residential Space Heating	0.00746	0.00761	0.03255
D3 Gen. Service, D5 Comm. Wtr. Htg. & R8 Space Cond.	0.20380	0.20082	0.20053
D3.2 Schools - Secondary Voltage	0.00876	0.00836	0.00871
D4 Large General Service	0.04587	0.04103	0.04251
D11 Primary Supply	0.29056	0.22645	0.23545
D6.2 Schools - Primary Voltage	0.01766	0.01632	0.01009
D8 Interruptible Primary Supply	0.01283	0.01053	0.00619
R1.1 (Alternate Metal Melting) and R1.2 (Process Heat)	0.01197	0.01025	0.00761
R10 Interruptible Supply	0.00000	0.02659	0.00000
D9 Res OPL	0.00016	0.00011	0.00002
D9 Comm OPL	0.00072	0.00049	0.00008
E1 Street Lighting	0.00324	0.00223	0.00045
E2 Traffic Signals	0.00158	0.00109	0.00103
Total	1.00000	1.00000	1.00000

Power Supply

2024-2025 Forecast Allocation Schedules	Basis	Basis	MNSC 9CP
Rate Class	100	200A	200B
D1.11 Res, D1.1 Interruptible Space Cond.& D5 Wtr Htg.	16,168,548	3,039	3,817
D1.2 TOU	215,185	33	33
D2 Residential Space Heating	309,045	52	276
D3 Gen. Service, D5 Comm. Wtr. Htg. & R8 Space Cond.	8,444,612	1,377	1,698
D3.2 Schools - Secondary Voltage	362,914	57	74
D4 Large General Service	1,900,717	281	360
D11 Primary Supply	12,039,864	1,552	1,993
D6.2 Schools - Primary Voltage	731,679	112	85
D8 Interruptible Primary Supply	531,722	72	52
R1.1 (Alternate Metal Melting) and R1.2 (Process Heat)	496,182	70	64
R10 Interruptible Supply	0	182	0
D9 Res OPL	6,585	1	0
D9 Comm OPL	29,740	3	1
E1 Street Lighting	134,090	15	4
E2 Traffic Signals	65,304	7	9
Total	41,436,188	6,855	8,466

Per Source File	41,436,188	6,855	8,466
Check	-	-	(0.00)

Michigan Public Service Commission
DTE Electric Company
Present and Proposed Revenue
by Rate Schedule

MNSC Revised

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Exhibit: A-16
Schedule: F2
Witness: A.Willis 2 of 4
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	(a1)	(a)	(b1)	(b)	(c)	(d)	(e)
Line No.	Category	Rate	UCOS Category	Total Present Revenue (\$000's)	Total Proposed Revenues (\$000's)	Total Net Increase/ (Decrease) (\$000's)	Total Net Increase/ (Decrease) (%)
1	Residential	D1/D1.6 Residential	D-1.11/Other Residential Service	\$ 48,110	\$ 50,386	\$ 2,276	5%
2	Residential	D1.1 Int. Air	D-1.11/Other Residential Service	\$ 53,003	\$ 58,552	\$ 5,549	11%
3	Residential	D1.2 TOD	D-1.2 Time of Use	\$ 32,649	\$ 35,957	\$ 3,308	10%
4	Residential	D1.7 TOD	D-1.11/Other Residential Service	\$ 15,366	\$ 17,134	\$ 1,767	12%
5	Residential	D1.8 Dynamic	D-1.11/Other Residential Service	\$ 29,279	\$ 32,205	\$ 2,927	10%
6	Residential	D1.9 Elec. Vehicle	D-1.11/Other Residential Service	\$ 1,992	\$ 2,203	\$ 211	11%
7	Residential	D1.11 Time of Use	D-1.11/Other Residential Service	\$ 2,633,702	\$ 2,886,147	\$ 252,445	10%
8	Residential	D2 Elec. Space Heat	D-2 Residential Space Ht	\$ 47,084	\$ 51,782	\$ 4,698	10%
9	Residential	D5 Res. Water Ht.	D-1.11/Other Residential Service	\$ 14,146	\$ 15,701	\$ 1,555	11%
13	Commercial Secondary	D1.1 Int. Air	D-3/Other General Service	\$ 708	\$ 769	\$ 61	9%
14	Commercial Secondary	D1.7 TOD	D-3/Other General Service	\$ 1,581	\$ 1,749	\$ 168	11%
15	Commercial Secondary	D1.8 Dynamic	D-3/Other General Service	\$ 136	\$ 148	\$ 12	9%
16	Commercial Secondary	D 1.9 Elec Vehicle	D-3/Other General Service	\$ 62	\$ 68	\$ 6	10%
17	Commercial Secondary	D3 Gen. Serv.	D-3/Other General Service	\$ 1,066,344	\$ 1,160,898	\$ 94,553	9%
18	Commercial Secondary	D3.1 Unmetered	D-3/Other General Service	\$ 11,064	\$ 12,191	\$ 1,127	10%
19	Commercial Secondary	D3.2 Sec. Educ.	D-3.2 Secondary Schools	\$ 60,733	\$ 67,235	\$ 6,501	11%
20	Commercial Secondary	D3.3 Interruptible	D-3/Other General Service	\$ 7,083	\$ 7,790	\$ 707	10%
21	Commercial Secondary	D3.5 Charging Serv.	D-3/Other General Service	\$ -	\$ -	\$ -	0%
22	Commercial Secondary	D4 Lg. Gen. Serv.	D-4 LG Genl Service	\$ 256,631	\$ 278,394	\$ 21,763	9%
23	Commercial Secondary	D5 Com. Wat. Ht.	D-3/Other General Service	\$ 1,085	\$ 1,193	\$ 107	10%
24	Commercial Secondary	E1.1 Eng. St. Ltg.	D-3/Other General Service	\$ 1,152	\$ 1,267	\$ 115	10%
25	Commercial Secondary	R7 Greenhs. Ltg.	D-3/Other General Service	\$ 419	\$ 464	\$ 45	11%
26	Commercial Secondary	RB Space Cond.	D-3/Other General Service	\$ 9,537	\$ 10,420	\$ 884	9%
30	Primary	D11 Prim. Supply	D-11/Other Primary	\$ 959,228	\$ 998,800	\$ 39,572	4%
31	Primary	D12 Exp. Lrg Cust	D-11/Other Primary	\$ -	\$ -	\$ -	0%
32	Primary	D6.2 Pri. Educ.	D-6.2 Primary Schools	\$ 74,835	\$ 82,402	\$ 7,567	10%
33	Primary	DB Int. Primary	D-8 Interruptible Supply	\$ 39,805	\$ 41,225	\$ 1,421	4%
34	Primary	D10 El.Schools	D-11/Other Primary	\$ 2,911	\$ 2,977	\$ 65	2%
35	Primary	R1.1 Alt. Mtl. Melt.	R-1.1/R1.2 Metal Melt Process Heat	\$ 8,244	\$ 8,580	\$ 336	4%
36	Primary	R1.2 El. Pr. Htg.	R-1.1/R1.2 Metal Melt Process Heat	\$ 30,125	\$ 31,291	\$ 1,165	4%
37	Primary	R3 Standby	D-11/Other Primary	\$ 8,526	\$ 8,754	\$ 229	3%
38	Primary	R10 Int. Supply	R-10 Interrupt Supply	\$ 52,885	\$ 53,484	\$ 599	1%
41	Primary	D13 XL	D-11/Other Primary	\$ 11,111	\$ 10,892	\$ (219)	-2%
44	Lighting and Signals	D9 Protective Ltg.	D-9 OPL Residential and D-9 OPL Commercial	\$ 12,439	\$ 13,068	\$ 629	5%
45	Lighting and Signals	E1 Muni Street Ltg	E-1 St Lght	\$ 63,859	\$ 67,751	\$ 3,892	6%
46	Lighting and Signals	E2 Traffic Lights	E-2 Signals	\$ 5,468	\$ 5,862	\$ 394	7%

Row Labels		Sum of Total Proposed Revenues (\$000's)		WSCI		9CP	
				Change	Resulting Value	Change	Resulting Value
Commercial Secondary		\$	1,542,586	\$ (8,251)	\$ 1,534,335	\$ (2,551)	\$ 1,540,035
D-3.2 Secondary Schools		\$	67,235	\$ 411	\$ 67,646	\$ 733	\$ 67,968
D-4 LG Genl Service		\$	278,394	\$ 4,627	\$ 283,021	\$ 4,602	\$ 282,996
D-3/Other General Service		\$	1,196,957	\$ (13,289)	\$ 1,183,668	\$ (7,886)	\$ 1,189,071
Lighting and Signals		\$	86,681	\$ 2,863	\$ 89,544	\$ 1,171	\$ 87,852
D-9 OPL Residential and D-9 OPL Commercial		\$	13,068	\$ 482	\$ 13,550	\$ 173	\$ 13,241
E-1 St Lght		\$	67,751	\$ 2,082	\$ 69,833	\$ 749	\$ 68,500
E-2 Signals		\$	5,862	\$ 299	\$ 6,161	\$ 248	\$ 6,110
Primary		\$	1,238,405	\$ 52,107	\$ 1,290,512	\$ 51,848	\$ 1,290,253
D-11/Other Primary		\$	1,021,423	\$ 58,380	\$ 1,079,803	\$ 57,152	\$ 1,078,575
D-6.2 Primary Schools		\$	82,402	\$ (13,994)	\$ 68,408	\$ (13,278)	\$ 69,124
D-8 Interruptible Supply		\$	41,225	\$ 1,537	\$ 42,762	\$ 1,474	\$ 42,699
R-1.1/R1.2 Metal Melt Process Heat		\$	39,871	\$ 6,184	\$ 46,055	\$ 6,500	\$ 46,371
R-10 Interrupt Supply		\$	53,484	\$ -	\$ 53,484	\$ -	\$ 53,484
Residential		\$	3,150,067	\$ (46,718)	\$ 3,103,349	\$ (50,468)	\$ 3,099,599
D-1.11/Other Residential Service		\$	3,062,328	\$ (89,228)	\$ 2,973,100	\$ (95,824)	\$ 2,966,504
D-1.2 Time of Use		\$	35,957	\$ (74)	\$ 35,883	\$ (495)	\$ 35,462
D-2 Residential Space Ht		\$	51,782	\$ 42,584	\$ 94,366	\$ 45,850	\$ 97,632
Grand Total		\$	6,017,739	\$ (0)	\$ 6,017,739	\$ (0)	\$ 6,017,739

STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the Application of **DTE ELECTRIC COMPANY** for authority to increase its rates, amend its rate schedules and rules governing the distribution and supply of electric energy, and for miscellaneous accounting authority.

Case No. U-21534

Proof of Service

On the date below, an electronic copy of **Direct Testimony and Exhibits of Joshua W. Denzler on behalf of Citizens Utility Board of Michigan, Michigan Environmental Council, and Natural Resources Defense Council (Exhibits CUB-11 through CUB-16)** was served on the following:

Name/Party	E-mail Address
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{signature on following page}

The statements above are true to the best of my knowledge, information and belief.

Troposphere Legal, PLC
Counsel for MEC, NRDC, SC & CUB

Date: July 25, 2024

By:



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STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the Application of **DTE ELECTRIC COMPANY** for authority to increase its rates, amend its rate schedules and rules governing the distribution and supply of electric energy, and for miscellaneous accounting authority.

Case No. U-21534

Confidential Proof of Service

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The statements above are true to the best of my knowledge, information and belief.

Troposphere Legal, PLC
Counsel for MEC, NRDC, SC & CUB

Date: July 25, 2024

By:



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