

Richard Boehnke

734.646.8641 • rick.boehnke@gmail.com

EDUCATION

Delft University of Technology August 2015 - August 2017
Master of Science (MSc.) and Master of Engineering (ir.): Sustainable Energy Technology Delft, Netherlands
Master Thesis: Engaging Cities – Overcoming Barriers to Climate Action
Fulbright Scholar

University of Michigan August 2007 - April 2012
Bachelor of Science: Biochemistry Ann Arbor, Michigan

Washtenaw Community College January 2025 – Present
Continuing Education - Welding Ann Arbor, Michigan

Louisiana State University August 2023 – December 2024
Graduate Student - Ceramics Baton Rouge, Louisiana

Arapahoe Community College and Community College of Denver January 2022 – May 2023
Continuing Education - Art Foundation Courses Littleton & Denver, Colorado

EXPERIENCE

Director, Demand Flexibility Markets August 2021 – January 2023

Customer Solutions Manager August 2020 – August 2021
Recurve Remote

- Developed strategic business unit from \$0 - \$5M in revenue deploying novel Virtual Power Plant (VPP) implementation, creating a market transacting on \$35M within 18 months
- Led all aspects of new strategic business unit, including product development, client management, process/program design and implementation, stakeholder engagement, and hiring
- Directed vision, writing, and execution of state-compliant Measurement & Verification (M&V) and Implementation Plans for novel VPP deployment
- Drove development of software products to visualize program data and analytics, support internal program implementation, and fulfill external client needs
- Managed contracts, analytics, reporting, and deliverables for 16 utility clients, 50% of company's client base
- Leveraged research and data analytics to develop novel program designs, expand infrastructure planning, and increase grid impacts by up to 300% while maintaining existing utility program budgets
- Provided thought leadership to deploy energy efficiency and demand-side programs as grid infrastructure and connected programs with project finance

Program Manager – Commercial, Industrial, and Public Sectors July 2018 – July 2020
Franklin Energy Chicago, Illinois

- Spearheaded design and execution of utility energy efficiency programs, \$8M+ portfolio, for commercial, industrial, and public sectors, aligning cross-functional teams to optimize budget allocation and program ROI
- Led program teams to identify and administer energy projects securing 17M+ m³ of annual natural gas savings, exceeding client KPIs while maintaining high client retention and satisfaction
- Pioneered data-driven program strategies, analyzing participant feedback and energy metrics to refine outreach, boost portfolio-wide savings, and cost-effectively hit increased program targets
- Built and maintained cross-functional partnerships with engineering, operations, sales, and external stakeholders to hone program processes, accelerate implementation timelines, and expand market reach
- Cultivated trusted advisor relationships with utility clients, driving 100% contract renewals through tailored, client-centric solutions

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Researcher – Energy Projects & Policy

October 2016 – September 2017

Ecofys, A Navigant Company

Utrecht, Netherlands

- Established international network of 26 organizations, including 20 municipal governments, to collaboratively share deployment strategies; identified efficiencies to reduce costs of over \$200,000 annually
- Researched and spread good practices to reduce information and financial barriers and speed implementation of municipal clean energy and transportation programs
- First author of publication in the Journal of Cleaner Production
- Evaluated climate policies in collaboration with Energy Policies, Urban Energy, and Sustainable Industries & Services departments to identify growth opportunities for business
- Identified new areas to add project value and increase RFP wins through stakeholder interviews and analysis of municipal and national energy and emissions data

Ceramics Instructor

February 2025 – Present

Clay Work Studio

Ann Arbor, Michigan

- Designed curriculum emphasizing problem-solving and material exploration for diverse skill levels
- Shared collaborative mentoring in quality control and sustainable practices for technical outputs

Graduate Student – Ceramics

August 2023 – December 2024

Louisiana State University

Baton Rouge, Louisiana

- Appointed to the search committee for the Dean of the College of Art and Design for two years
- Selected as founding resident for 3-week Open Experimental Studio summer residency at Glassell Gallery
- Organized an artist lunch with Beth Cavener for 20 students from LSU and University of Louisiana Lafayette
- Teacher, mentor, and coach for students in the College of Art and Design

PUBLICATIONS

- **Journal of Cleaner Production, 2019** - “Good practices in local climate mitigation action by small and medium-sized cities; exploring meaning, implementation and linkage to actual lowering of carbon emissions in thirteen municipalities in The Netherlands”
- **American Council for an Energy-Efficient Economy, Summer Study 2022** - “Demand FLEXmarket -- Creating a Market Access Model to Unleash Solutions Providers and Scale Demand Flexibility”
- **Ceramics Monthly – Clay Culture, May 2023** – “Sustainability in Ceramics – Just Because You Made It, Doesn’t Make It Special”

ADDITIONAL EDUCATION & CERTIFICATIONS

Fellow, Clean Energy Leadership Institute, Chicago, IL

September 2020

Certified Energy Manager (CEM), Association of Energy Engineers (AEE)

April 2020

Fulbright Scholarship, Delft University of Technology

August 2015 – August 2017

SHOWS & EXHIBITIONS

- **2-Day Demonstration Workshop**, Ann Arbor Potters’ Guild, Ann Arbor, MI 2025
- **The Art of the Cup**, Center for Southern Craft & Design, Exhibiting Artist, New Orleans, LA 2024
- **Ceramics Now!**, Exhibiting Artist, Lafayette, LA 2024
- **The Mudflat Cup Show** juried by Martha Grover, Sommerville, MA 2024
- **Crescent City Clay Fest**, Exhibiting Artist, New Orleans, LA 2023
- **9 Weeks**, Exhibiting Artist, Baton Rouge, LA 2023
- **University of Mississippi National Juried Graduate Exhibition**, Honorable Mention 2023
- **Artistonish Magazine 35th Issue**, Online 2023
- **The Dock Gallery, Sculpture Show**, Denver, CO 2023
- **Arapahoe Community College Fine Art Student Exhibition**, Denver, CO 2022
- **Ann Arbor Street Art Fair, the Original 2010**, Emerging Artist, Ann Arbor, MI 2010
- **Yourist Gallery, Exquisite Cup**, Exhibiting Artist, Ann Arbor, MI 2009

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the application of
CONSUMERS ENERGY COMPANY for
authority to increase its rates for the generation
and distribution of electricity and for other relief

Case No. **U-21870**

REVISED
EXHIBIT GLREA-2

TO TESTIMONY OF
RICHARD BOEHNKE

On Behalf of

Great Lakes Renewable Energy Association

September 30, 2025



August 26, 2025

Via Electronic Mail

Don L. Keskey, Esq.
Public Law Resource Center PLLC
University Office Place
333 Albert Avenue, Suite 425
East Lansing, MI 48823

RE: Case No. U-21870 – In the matter of the application of Consumers Energy Company for authority to increase its rates for the generation and distribution of electricity and for other relief.


Dear Mr. Keskey:

Attached to this letter are copies of the following documents:

- A copy of your August 14, 2025 interrogatories with our internal numbering system annotated in the margins;
- Consumers Energy Company's response to 21870-GLREA-CE-0270-0278, 0280-0282, 0287-0289, 0291-0293, 0295-0299, 0301-0302; and
- The attachments pertaining to 0272, 0273, and 0274 are being provided electronically to all parties.

A Proof of service has been electronically filed in this docket. Please contact me if you have any questions regarding this matter.

Sincerely,

 Digitally signed by Gary
A. Gensch, Jr.
Date: 2025.08.26
16:38:59 -04'00'

Gary A. Gensch, Jr.

CC Parties Per Attachment 1 to the Proof of Service

STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the application of
CONSUMERS ENERGY COMPANY
for authority to increase its rates for the generation and distribution of electricity and for other relief

Case No. **U-21870**

**FIRST DISCOVERY REQUEST OF
THE GREAT LAKES RENEWABLE ENERGY ASSOCIATION
TO CONSUMERS ENERGY COMPANY**

TO: mpsc.filings@cmsenergy.com
Gary A. Gensch, Jr. (garygenschjr@cmsenergy.com)
Anne M. Uitvlugt (anne.uitvlugt@cmsenergy.com)
Bret A. Totoraitis (bret.totoraitis@cmsenergy.com)
Evan B. Keimach (evan.keimach@cmsenergy.com)
Spencer A. Sattler (spencer.sattler@cmsenergy.com)
Mark R. Ruskewicz (mark.ruskewicz@cmsenergy.com)

The Great Lakes Renewable Energy Association (GLREA) serves this First Discovery Request upon Consumers Energy Company. Please serve copies of all responses, attachments, and documents to GLREA counsel Don L. Keskey at donkeskey@publiclawresourcecenter.com and to GLREA Experts Richard Boehnke at rick.boehnke@gmail.com, John Richter at johnrichter@pm.me and Robert Rafson at rob@charthouseenergy.com.

INTERROGATORIES AND REQUESTS FOR DOCUMENTS

I. Data Focus and Transparency:

21870-GLREA-CE-0270

1. At what intervals does the company collect real-time usage data from residential ratepayers?

- a. Is data collected on a circuit or even sub-circuit level for devices (such as EVs, thermostats, etc...)? If so, what is the frequency of this data collection (e.g., every 5 minutes, every 15 minutes)?

21870-GLREA-CE-0271

2. What usage data is made available to third-party aggregators, program implementors, or other entities, and how is it provided?

- a. How is ratepayer meter data used to optimize program delivery and drive impacts?
 - i. Are customers targeted based on their loadshapes and peak usage?
 - ii. How is non-participant data used to support customer targeting?
- b. Is there a standardized data-sharing protocol (e.g., Green Button Connect or company API)? If not, please explain the process for data exchange.

21870-GLREA-CE-0272

3. Please provide zip code-level list of required infrastructure upgrades for the next 10 years including the cost of the equipment. Also:

- a. Please list the reason for the upgrades
- b. How is meter data used to inform these decisions?
- c. How do existing energy efficiency, demand response, DER, or VPP programs impact these planned developments?
- d. For investments impacting peak capacity, please list
 - i. The current peak capacity of the area in kW or MW
 - ii. The current peak demand in kW or MW
 - iii. The projected peak demand that necessitates requires the upgrade in kW or MW
 - iv. The number of ratepayers served

21870-GLREA-CE-0273

4. What is the company's policy for protecting the privacy of customer data while providing access for innovation?

- a. What measures are in place to ensure that data is anonymized and used only for program-related purposes?

21870-GLREA-CE-0274

5. Please share outage data at the granularity of zip codes and/or substations across the company's service territory for the past 5 years:

- a. How many outages were experienced within each zip code or substation unit?
- b. How many hours were ratepayers without power?
- c. How many ratepayers were without power?

- d. What was the reason for each outage recorded?
- e. For an average day, what is the low and peak load?
- f. What is the limit of power available to this location before a load curtailment event occurs?
- g. Which areas are listed as income qualified, income eligible, low income, etc...?

II. Company Research and Development (R&D):

21870-GLREA-CE-0275

6. Please provide all cost-benefit analyses that have been conducted on Virtual Power Plant (VPP) programs and proposals

- a. What assumptions were made regarding customer participation rates, technology costs, delivered peak impacts, and avoided company infrastructure costs?
- b. How is it anticipated that VPPs would be funded by the company?
- c. What is the percentage of peak demand was calculated that could be addressed through VPPs?

21870-GLREA-CE-0276

7. What percentage of the company's total R&D budget is allocated to VPPs and other distributed energy resources (DERs)? Please provide a breakdown of this spending for the last three years.

- a. What research has been funded? At what levels?

21870-GLREA-CE-0277

8. Please provide a list of all pilot programs regarding virtual power plants, Demand Response, or EV Charging the company has initiated or participated in over the past 3 years.

- a. For each program, include the objective, timeline, budget, and a summary of the key findings and outcomes.

21870-GLREA-CE-0278

9. What is the company's strategy for integrating emerging DER technologies, such as vehicle-to-grid (V2G) capable electric vehicles and smart appliances into current or future programs?

- a. What groups are partnering across the company to coordinate and drive impacts?

21870-GLREA-CE-0279

10. How is the company incorporating VPPs into its load forecasting and long-term resource planning models?

- a. How are VPPs considered as an alternative to traditional generation or transmission and distribution (T&D) infrastructure? Why?
- b. What level of cost and cost deferment has been assessed for VPP delivery?

21870-GLREA-CE-0280

11. What partnerships has the company formed with other utilities, technology providers, VPP aggregators, and academic institutions to explore or advance its VPP capabilities?

21870-GLREA-CE-0281

12. What has the Edison Electric Institute written about VPPs?

- a. What studies have been made available?
- b. What calculations, spreadsheets, or other data have been provided?

21870-GLREA-CE-0282

13. What assumptions regarding DR, EE, and VPPs are built into load growth calculations?

- a. How do DR, EE, and VPPs support peak demand reductions?
 - a. 4 critical peaks in the summer
 - b. highest peak in each of 12 months

III. Peak Impacts from Existing Programs:

21870-GLREA-CE-0283

14. Please provide all data that shows peak demand reduction as measured at the meter, not deemed from a technical reference manual, from existing energy efficiency, demand response, and VPP programs for the past three years.

- a. Please share the calculated, modeled, deemed peak impacts from existing energy efficiency, demand response, and VPP programs for the past three years.
- b. Please share the methodology for measuring impacts at the meter that has been used for these programs
- c. Please share the research done to show the effectiveness and accuracy of the M&V methodology used to measure peak impacts of existing programs

21870-GLREA-CE-0284

15. For each existing residential program (energy efficiency, Demand Response, DER, or VPP), please provide the following measured data:

- a. The total number of enrolled customers and devices.
- b. The average and maximum load reduction achieved during a peak event.
- c. The value to the grid delivered, company cost savings, customer incentives
- d. The number of events dispatched in the last 3 years, and the duration of each event called
- e. The dispatch success rate (i.e., the percentage of devices that responded as expected).
- f. What criteria are used to trigger a demand response event? Is it based on a pre-determined schedule, or is it in response to real-time grid conditions?

21870-GLREA-CE-0285

16. What is the total cost of residential programs (energy efficiency, Demand Response, DER, or VPP) programs to date?

- a. Please provide a detailed breakdown of how the measured peak impacts have resulted in tangible benefits for ratepayers, such as avoided or deferred Generation, Transmission, and Distribution upgrades.

21870-GLREA-CE-0286

17. What metrics does the company use to measure customer satisfaction with these programs?

- a. Are there any data on customer churn rates or complaints related to the programs' operations?

21870-GLREA-CE-0287

18. How did the company derive \$1/kW for critical peak payments for the Critical Peak Pricing program?

a. What is the math behind this decision?

IV. Regulatory and Policy Strategy:

21870-GLREA-CE-0288

19. What are the company's top three regulatory barriers to developing and implementing VPPs, and what specific policy changes or new regulations is the company advocating for to overcome these barriers?

21870-GLREA-CE-0289

20. How do the company's current and planned EE, DR, DER, and VPP programs align with the state's climate, clean energy, and decarbonization goals?

a. Please provide specific examples of how VPPs are helping the company meet these targets.

21870-GLREA-CE-0290

21. How is the company evaluating VPPs and other EE, DR, and DERs as potential non-wires alternatives to traditional Generation, Transmission, and Distribution infrastructure investments?

a. Please provide examples of any Generation, Transmission, and Distribution projects that have been deferred or replaced by EE, DR, DER, or VPP projects.

21870-GLREA-CE-0291

22. What specific changes has the company made to its wholesale market participation rules, planning, forecasting, or processes to comply with FERC Order 2222?

a. What are the key challenges the company has faced in doing so?

21870-GLREA-CE-0292

23. What changes to the company's rate design (e.g., time-of-use rates, performance-based rates) are being considered or proposed to reflect the value of VPPs and incentivize customer participation?

V. Equity and Customer Engagement:

21870-GLREA-CE-0293

24. What specific measures is the company taking to ensure that programs are accessible and beneficial to low-income customers, renters, and other underserved communities?

- a. How do the company's programs include an impactful low-income or equity-focused component?

21870-GLREA-CE-0294

25. What is the company's stance on working with third-party aggregators of EE, DR, and DER assets?

- a. What is the current process for these third parties to interact with the company's systems and enroll customers?
- b. What, if any, are the company's plans to develop a market for VPP services?

21870-GLREA-CE-0295

26. How is the company ensuring that customer-owned DERs (e.g., rooftop solar, batteries, Electric Vehicles) are a central part of its infrastructure strategy?

VI. Financial and Cost Recovery:

21870-GLREA-CE-0296

27. Please provide the marginal hourly cost per MWh per hour of the year of grid services for ratepayers, projected out for 20 years, or as far as has been forecasted.

- a. Please provide the breakdown/itemization of these costs including but not limited to: energy, losses, ancillary services, capacity, transmission, distribution, and any other adders or other costs associated with the delivery of power to residential ratepayers

21870-GLREA-CE-0297

28. How does the company's internal analysis compare the cost and benefits of a VPP to a traditional company asset (e.g., a natural gas peaker plant or a substation upgrade)?

- a. Please provide examples of these comparative analyses.
- b. What assumptions underpin this analysis?

21870-GLREA-CE-0298

29. For all VPP-related research, pilots, and investments, please provide a detailed breakdown of the costs and the quantifiable avoided costs of implementation (e.g., deferred T&D investments, avoided peaker plant costs, wholesale market savings).

VII. Measurement and Verification

21870-GLREA-CE-0299

30. Please provide a detailed breakdown of the company's methodology for measuring and valuing the impacts of grid services provided by distributed energy resources.

- a. How do these calculations account for the locational and temporal value of these resources?
- b. How does the company measure impacts of DERs on the grid, in particular regarding peak hours?

21870-GLREA-CE-0300

31. What process does the company undergo to provide settlement to participating customers and aggregators in EE, DR, and DER programs?

- a. What is the timeline for an individual payment after an installation, event, measurement period?

21870-GLREA-CE-0301

32. How do the measured impacts from EE, DR, and DER programs impact the company's infrastructure planning?

21870-GLREA-CE-0302

33. How do the deemed or calculated impacts from EE, DR, and DER programs impact the company's infrastructure planning?

Respectfully submitted,

Don L. Keskey

Don L. Keskey (P23003)
Public Law Resource Center PLLC
University Office Place
333 Albert Avenue, Suite 425
East Lansing, MI 48823
Telephone: (517) 999-7572
E-mail: donkeskey@publiclawresourcecenter.com

Dated: August 14, 2025

U21870-GLREA-CE-0270 (Partial)
Page 1 of 1

Question:

1. At what intervals does the company collect real-time usage data from residential ratepayers?
 - a. Is data collected on a circuit or even sub-circuit level for devices (such as EVs, thermostats, etc...)? If so, what is the frequency of this data collection (e.g., every 5 minutes, every 15 minutes)?

Response:

This response addresses the question regarding data collection from residential customers.

The Company collects usage data from residential customers at 60-minute intervals from the meter using advanced metering infrastructure (AMI).

- a. The Company does not collect data at the circuit or sub-circuit level for individual devices such as thermostats. For customers participating in the Smart Thermostat Demand Response program, usage data is collected from the meter during demand response events to evaluate load reduction.

On an as-needed basis, the Company can manually aggregate meter-level data to higher system levels such as circuit, feeder, or transformer, if required for operational or analytical purposes.

Witness: BRITTANI A. GRAY

Date: August 26, 2025

U21870-GLREA-CE-0270 (Partial)
Page 1 of 1

Question:

1. At what intervals does the company collect real-time usage data from residential ratepayers?
 - a. Is data collected on a circuit or even sub-circuit level for devices (such as EVs, thermostats, etc...)? If so, what is the frequency of this data collection (e.g., every 5 minutes, every 15 minutes)?

Response:

This answer is in specific response to electric vehicle (EV) load monitoring.

For the residential program, the Company utilizes whole-home meter disaggregation to collect hourly load data for each participating EV on a monthly basis.

For commercial and public EV charging loads that are separately metered, the Company collects data via our monthly billing cycles, which also utilizes hourly data.

Witness: Jeffrey A. Myrom

Date: August 26, 2025

U21870-GLREA-CE-0271
Page 1 of 2

Question:

2. What usage data is made available to third-party aggregators, program implementors, or other entities, and how is it provided?
 - a. How is ratepayer meter data used to optimize program delivery and drive impacts?
 - i. Are customers targeted based on their loadshapes and peak usage?
 - ii. How is non-participant data used to support customer targeting?
 - b. Is there a standardized data-sharing protocol (e.g., Green Button Connect or company API)? If not, please explain the process for data exchange.

Response:

To share usage data with third-party aggregators, program implementors, or other entities the Company requires that there be a valid Letter of Authorization (“LOA”) on file or else usage data will not be released. The LOA is the tool that establishes that there is a relationship between the aggregator and the customer. If there is an LOA on file, the Company will usually provide seasonal peak data for the specific customer.

Data typically includes registrations (reflecting the correct registration values submitted into MISO, consistent with the customer’s historical usage data) and checks that submitted amounts (seasonal peak demand matches what is ultimately used in program registrations) are accurate and properly validated, and ensuring the load amount tied to the registration reflects what the customer can actually provide in a demand response event.

Data is provided via excel spreadsheets

- a. Ratepayer interval meter data is a critical input for optimizing program delivery and ensuring measurable impacts. This data enables third-party aggregators to effectively collaborate with customers in developing tailored Energy Reduction Plans (“ERPs”) and determine appropriate nomination amounts. By leveraging interval data—in addition to direct engagement to understand the customer’s operational profile—aggregators can more accurately forecast and commit to load reductions. This process enhances Consumers Energy’s ability to meet its capacity reduction obligations submitted to MISO, thereby supporting grid reliability and aligning with regulatory expectations for demand response performance.
 - i. Consumers Energy has not issued formal guidance to third-party aggregators regarding specific methodologies for customer targeting based on load shapes or peak usage patterns. As a result, aggregators independently determine their outreach strategies, which may vary based on their own analysis of customer interval data and operational characteristics. While load profile considerations

U21870-GLREA-CE-0271
Page 2 of 2

are likely part of their evaluation, there is currently no standardized approach mandated by Consumers Energy for this aspect of customer engagement.

- ii. As noted in subpart (i), Consumers Energy has not provided formal guidance to third-party aggregators regarding customer targeting methodologies. Consequently, Consumers does not have visibility into whether or how non-participant data is utilized by aggregators to inform their outreach strategies.

- b. The Company has historically directed third party aggregators to “Green Button Connect” and/or have also utilized the “Business Center – Release of Customer Information Form” (aka the LOA). More information on this can be found on the Company’s Data Sharing Center website: [Consumers Energy - Green Button Home](#).

Witness: Alex M. Gast
Date: August 26, 2025

U21870-GLREA-CE-0272 (Partial)
Page 1 of 1

Question:

3. Please provide zip code-level list of required infrastructure upgrades for the next 10 years including the cost of the equipment. Also:

- a. Please list the reason for the upgrades
- b. How is meter data used to inform these decisions?
- c. How do existing energy efficiency, demand response, DER, or VPP programs impact these planned developments?
- d. For investments impacting peak capacity, please list
 - i. The current peak capacity of the area in kW or MW
 - ii. The current peak demand in kW or MW
 - iii. The projected peak demand that necessitates requires the upgrade in kW or MW
 - iv. The number of ratepayers served

Response:

Regarding HVD, substation, and Metro projects:

- a. The Company has not identified projects for the next 10 years. All projects for the bridge period and test year in the instant case are listed in Exhibits A-109 (MLH-3) and A-110 (MLH-4). These lists include the municipal location of each project; note that some projects span multiple municipalities and are identified by county.
- b. Meter data, SCADA data, and DSCADA data are used along with load forecasts to project load on the HVD System for building the overall HVD System power flow model (refer to the discussion on page 120, line 5, through page 122, line 13, of my direct testimony) which is used to monitor and project the loading on the HVD System as a whole.
- c. These programs generally do not impact planned projects listed in Exhibits A-109 (MLH-3) and A-110 (MLH-4). Refer to page 131, lines 12 through 22, of my direct testimony regarding how non-wires solutions may impact the LVD Substations Capacity sub-program.
- d. For LVD Substations Capacity projects, please refer to my Attachment 1 to this response. For HVD Lines and Substations Capacity projects, please refer to my Attachment 2 to this response.

Witness: Megan L. Hayward
Date: August 26, 2025

U21870-GLREA-CE-0272 (Partial)
Page 1 of 1

Question:

3. Please provide zip code-level list of required infrastructure upgrades for the next 10 years including the cost of the equipment. Also:

- a. Please list the reason for the upgrades
- b. How is meter data used to inform these decisions?
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 - iii. The projected peak demand that necessitates requires the upgrade in kW or MW
 - iv. The number of ratepayers served

Response:

Objection of Counsel: Consumers Energy Company objects to this discovery request because it requests an analysis that Consumers Energy has not performed and is not relevant and proportional to the needs of the case. Without waiving this objection, Consumers Energy responds as follows:

Regarding LVD lines projects:

- a. The Company has not identified projects for the next 10 years. All projects for the bridge period and test year in the instant case are listed in Exhibits A-166 (JMP-1) and A-167 (JMP-2). These lists include the municipal location of each project; note that some projects span multiple municipalities and are identified by county.
- b. The Company uses AMI data in a variety of ways to inform LVD lines planning decisions. Please refer to the following locations of my direct testimony: page 44, lines 3 through 9; page 81, line 20, through page 82, line 4; page 84, line 9, through page 85, line 2; page 88, lines 1 through 17; page 108, lines 1 through 12; and page 123, lines 10 through 19.
- c. These programs generally do not impact planned projects listed in Exhibits A-166 (JMP-1) and A-167 (JMP-2).
- d. For LVD Lines Capacity projects, please refer to Attachment 1 to this response for bridge period projects and Attachment 2 to this response for test year projects. Capacity is provided in kVA, instead of kW or MW, because kVA is used by the Company in assessing peak capacity for these assets. Some LVD Lines Capacity projects were initiated by substation capacity projects from prior years rather than by peak capacity issues on the LVD lines assets themselves.

Witness: Jennifer M Partlan

Date: August 26, 2025

U21870-GLREA-CE-0273
Page 1 of 1

Question:

4. What is the company's policy for protecting the privacy of customer data while providing access for innovation?

a. What measures are in place to ensure that data is anonymized and used only for program-related purposes?

Response:

Consumers Energy takes securing customer data very seriously.

The Company has an internal Security Data Standard that is owned and maintained by IT Security. Roles and access requests are managed internally to ensure that only employees who need access to customer data are provided.

The Company's external data protection policy may be found in U21870-GLREA-CE-0273_ATT_1 , as well as in C17. of the Company's tariff. Collection and use of customer data is detailed within.

a. A summary of the guidelines the Company uses for anonymizing external data before it is shared is noted below. This process is a part of the internal Security Data Standard owned by IT Security.

RESIDENTIAL

- a. 1 customer cannot make up more than 15% of the consumption/metric
- b. More than 15 customers

Non-RESIDENTIAL

- c. 1 customer cannot make up more than 50% of the consumption/metric
- d. More than 4 customers

Witness: Jessica R. Byrom

Date: August 26, 2025

U21870-GLREA-CE-0274

Page 1 of 1

Question:

5. Please share outage data at the granularity of zip codes and/or substations across the company's service territory for the past 5 years:

- a. How many outages were experienced within each zip code or substation unit?
- b. How many hours were ratepayers without power?
- c. How many ratepayers were without power?
- d. What was the reason for each outage recorded?
- e. For an average day, what is the low and peak load?
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Response:

Objection of Counsel: Consumers Energy Company objects to this discovery request because it requests an analysis Consumers Energy has not performed and is not relevant and proportional to the needs of the case. Without waiving this objection, Consumers Energy responds as follows:

Please refer to Attachment 1 to this discovery response for the data relating to subparts a through d, listing data by substation. The number of discrete outage events are shown for each year, along with the cumulative outage hours (i.e., the numerator in SAIDI calculations), the total number of customers experiencing an outage (i.e., the numerator in SAIFI calculations), and the number of outages tied to each cause code.

Substation-level data relevant to subpart e was provided in Company witness Hayward's attachment to discovery response 21870-MNSC-CE-0207.

The Company does not have a defined limit of power on its substations at which load curtailment would take place. While each substation has a maximum capacity rating, exceeding that rating does not automatically lead to curtailment. Equipment can operate for a limited amount of time at emergency ratings, and in many areas the Company is able to transfer load to be served from a different substation if necessary. Additionally, I am not aware of any occasions in which the Company has curtailed load to customers due to high load on a substation. The Company makes prudent investments in substation capacity to ensure that sustained overloads do not happen.

Certain areas of the Company's service territory are defined as EJ communities, as discussed on page 71, line 23, through page 73, line 6 of my direct testimony (see also the references in footnote 17 of my direct testimony). Underlying data on where these communities are located were provided in my workpaper MPK-WP-1.

Witness: Michael P. Kelly 1

Date: August 26, 2025

U21870-GLREA-CE-0275
Page 1 of 1

Question:

6. Please provide all cost-benefit analyses that have been conducted on Virtual Power Plant (VPP) programs and proposals
- a. What assumptions were made regarding customer participation rates, technology costs, delivered peak impacts, and avoided company infrastructure costs?
 - b. How is it anticipated that VPPs would be funded by the company?
 - c. What is the percentage of peak demand was calculated that could be addressed through VPPs?

Response:

The Company has not conducted any cost-benefit analysis on VPP programs or proposals. Please note that this response does not cover any DR or EE programs and proposals.

- a. As stated above, the Company has not conducted any cost-benefit analysis on VPP programs or proposals.
- b. The Company has not developed a position on how VPPs would be funded.
- c. The Company has not conducted these calculations.

Witness: Scott A. Mcphail
Date: August 26, 2025

U21870-GLREA-CE-0276
Page 1 of 1

Question:

7. What percentage of the company's total R&D budget is allocated to VPPs and other distributed energy resources (DERs)? Please provide a breakdown of this spending for the last three years.

a. What research has been funded? At what levels?

Response:

The Company does not have the requested type of R&D budget.

Witness: Scott A. Mcphail

Date: August 26, 2025

U21870-GLREA-CE-0277 (Partial)
Page 1 of 3

Question:

8. Please provide a list of all pilot programs regarding virtual power plants, Demand Response, or EV Charging the company has initiated or participated in over the past 3 years.

a. For each program, include the objective, timeline, budget, and a summary of the key findings and outcomes.

Response:

In the last three years, the Company has participated in or led the following pilots related to Virtual Power Plants, Demand Response and EV Charging:

- **DR Generator, Residential**

- Objective: Test energy demand potential on dispatchable home generators to call on during an energy demand event.
- Timeline: 2021-2022
- Budget
 - 2021: O&M - \$390,000; Capital - \$537,000
 - 2022: O&M - \$472,000; Capital - \$575,000
- Summary: The pilot experienced significant enrollment challenges and showed decreased demand potential year over year with increased costs. The pilot was not cost effective, and the Company discontinued it in 2022.

- **DR Generator, Small + Medium Business**

- Objective: Test energy demand potential on dispatchable generators at small- to medium-sized businesses to call on during an energy demand event.
- Timeline: 2022-2023
- Budget:
 - 2022: O&M - \$232,000
- Summary: In the Settlement Agreement for Case No. U-21233, the Company agreed to truncate the pilot phase and commercialize the program while continuing to analyze its performance and costs. During commercialization, the Company uncovered a smaller than expected customer market due to equipment and/or software constraints, resulting

U21870-GLREA-CE-0277 (Partial)
Page 2 of 3

in zero program enrollments. After switching to a different vendor, the Company again found a lack of available market and was not able to test demand savings potential. The program was sunset in 2023.

- **DR Multi-Use Switch, Residential**

- Objective: Test load reduction potential on direct load control switches used in the AC Peak Cycling Program on residential water heaters, pool pumps, and hot tub heaters.
- Timeline: 2020-2022
- Budget:
 - 2022: O&M - \$121,000; Capital - \$187,000
 - 2023: O&M - \$422,000; Capital - \$924,000
- Summary: Originally proposed as the Customized Load Control Switch pilot in the Company's 2018 DR Reconciliation filing in Case No. U-20563, the pilot became the multi-use switch pilot and eventually commercialized as part of the Device Cycling Program that included AC Peak Cycling and the Electric Water Heater DR Programs. The Electric Water Heater Program enrolled approximately 2,000 participants before shutting down operations at the end of 2023 due to cost effectiveness and DR program restructuring.

- **DR Smart Home Pilot, Residential**

- Objective: Test energy demand potential on dispatchable home smart plugs to call on during an energy demand event.
- Timeline: 2021-2023
- Budget:
 - 2021: O&M - \$115,000
 - 2022: O&M - \$899,000
 - 2023: O&M - \$184,000
- Summary: The pilot showed low customer satisfaction after customers experienced communication issues between the smart plugs and app to control the demand as well as no significant increase in capacity. The Company sunset the pilot in 2023.

- **DR Low-Income Pilot Research**

- Objective: Research DR participation rates and barriers with low-income customers to assess how better to provide this customer segment with access to DR opportunities.
- Timeline: 2021-2022
- Budget:

U21870-GLREA-CE-0277 (Partial)
Page 3 of 3

- 2021: O&M - \$76,000
- 2022: O&M - \$98,000
- Summary: The research indicated that low-income customers primarily participate in DR programs to save money on their energy bills, but participants should be provided additional reminders and insights on how to save energy during events to encourage continued participation and benefits. Newer participants were less likely to have started making their homes more energy efficient, including equipment upgrades (such as new appliances or efficient HVAC), and were less familiar with ways to save energy. Given this, the Company decided to transition learnings to the Residential DR team to inform an improved customer experience for low-income customers rather than proceed to pilot a new type of DR offering for these customers.

Witness: Alex M. Gast
Date: August 26, 2025

U21870-GLREA-CE-0277 (Partial)
Page 1 of 1

Question:

8. Please provide a list of all pilot programs regarding virtual power plants, Demand Response, or EV Charging the company has initiated or participated in over the past 3 years.

a. For each program, include the objective, timeline, budget, and a summary of the key findings and outcomes.

Response:

The Company has not conducted any pilot programs regarding virtual power plants.

Witness: Scott A. Mcphail

Date: August 26, 2025

U21870-GLREA-CE-0278

Page 1 of 1

Question:

9. What is the company's strategy for integrating emerging DER technologies, such as vehicle-to-grid (V2G) capable electric vehicles and smart appliances into current or future programs?

a. What groups are partnering across the company to coordinate and drive impacts?

Response:

This response is specific to electric vehicles (EV). The near-term strategy for the Company is to continue to monitor the cost and capabilities of bidirectional charging before engaging in a pilot or potential permanent program. The reason for this is that bidirectional chargers are significantly more expensive than a networked or unnetworked Level 2 (L2) charger, and the installation costs are also significantly higher for customers. In total, there is a significant price barrier for customers to engage in bidirectional charging, and thus adoption is presently low. That said, we do expect that more EVs will offer bidirectional capabilities in the future and that costs will come down as the market grows and thus will continue to monitor market developments.

Witness: Jeffrey A. Myrom

Date: August 26, 2025

U21870-GLREA-CE-0280 (Partial)
Page 1 of 1

Question:

11. What partnerships has the company formed with other utilities, technology providers, VPP aggregators, and academic institutions to explore or advance its VPP capabilities?

Response:

The Company has not formed partnerships to explore or advance its VPP capabilities.

Witness: Alex M. Gast

Date: August 26, 2025

U21870-GLREA-CE-0280 (Partial)
Page 1 of 1

Question:

11. What partnerships has the company formed with other utilities, technology providers, VPP aggregators, and academic institutions to explore or advance its VPP capabilities?

Response:

The Company is not engaged in any partnerships regarding VPPs.

Witness: Scott A. Mcphail
Date: 8/25/2025

U21870-GLREA-CE-0281
Page 1 of 1

Question:

12. What has the Edison Electric Institute written about VPPs?
- a. What studies have been made available?
 - b. What calculations, spreadsheets, or other data have been provided?

Response:

Objection of Counsel: Consumers Energy Company objects to this discovery request because it requests an analysis that Consumers Energy has not performed, requests information that is not in the Company's possession, and is not relevant and proportional to the needs of the case. Without waiving this objection, Consumers Energy responds as follows:

The Company has not developed a synthesis of Edison Electric Institute's work related to VPPs.

Witness: Scott A. Mcphail

Date: August 26, 2025

U21870-GLREA-CE-0282
Page 1 of 1

Question:

13. What assumptions regarding DR, EE, and VPPs are built into load growth calculations?

a. How do DR, EE, and VPPs support peak demand reductions?

a. 4 critical peaks in the summer

b. highest peak in each of 12 months

Response:

- a. Please refer to my direct testimony, starting on page 19 (line 18) to page 20 (line 10) for peak demand reductions. No peak demand reductions are included in the load forecast related to VPP.
- b. I have made no change to the 4CP based on DR, EE or VPP.
- c. I have made no change to the 12CP based on DR, EE or VPP.

Witness: Eugène M. Breuring

Date: August 21, 2025

U21870-GLREA-CE-0287
Page 1 of 1

Question:

18. How did the company derive \$1/kW for critical peak payments for the Critical Peak Pricing program?
- a. What is the math behind this decision?

Response:

The \$1.00/kWh critical peak price was originally \$0.95/kWh, approved in Case No. U-17735. The Company justified setting the price at this level to incent customers to take action to shift/reduce energy consumption. In Case No. U-20697, the Company proposed increasing it to \$1.00/kWh to simplify communications.

Witness: Alex M. Gast

Date: August 26, 2025

U21870-GLREA-CE-0288

Page 1 of 1

Question:

19. What are the company's top three regulatory barriers to developing and implementing VPPs, and what specific policy changes or new regulations is the company advocating for to overcome these barriers?

Response:

Objection of Counsel: Consumers Energy Company objects to this discovery request because it requests an analysis that the Company has not performed. Without waiving this objection, Consumers Energy responds as follows:

The Company has not developed a ranking of regulatory barriers to developing and implementing VPPs. However, from the perspective of electric distribution, some regulatory considerations include:

- The Company has not been granted approval to recover the costs of developing DERMS. The lack of DERMS prevents the Company from being able to orchestrate the operation of DERs.
- Some VPP applications may be developed through the Commission's expedited pilot process, but this process is still new, and no pilots have yet been approved through this process. The Company plans to propose a non-wires solutions pilot through this process (see discovery response 21870-GLREA-CE-290).
- The MPSC is hosting a Distributed Energy Resources Benefit Cost Analysis Collaborative as part of the Commission's October 12, 2023 order in Case No. U-20898. The work in this collaborative is ongoing, and an open-source tool to serve as a model for benefit-cost analysis has not yet been finalized.

Witness: MICHAEL P. KELLY

Date: August 26, 2025

U21870-GLREA-CE-0289

Page 1 of 1

Question:

20. How do the company's current and planned EE, DR, DER, and VPP programs align with the state's climate, clean energy, and decarbonization goals?

a. Please provide specific examples of how VPPs are helping the company meet these targets.

Response:

As part of assessing its portfolio in light of planned cases and other regulatory, legal, and political inputs to the day-to-day planning and operations, the Company remains committed to both the State of Michigan's goals, as well as its own stated goal of decarbonization by 2040.

The Company's Demand Response (DR) and Energy Efficiency (here EWR) plans reflect these goals in significant ways, including an increased focus on customer input and the low- to middle-income customers.

The Company offers a DR portfolio comprising both business and residential programs. The DR portfolio helps balance Michigan's electricity need to help protect the grid, react to emergencies, and avoid the cost and environmental impact of additional generation infrastructure to serve system peaks. The reduction in peak load resulting from the DR portfolio is intended to relieve stress on the electric system in a more cost-effective manner than purchasing capacity from the market or building additional generation resources to meet peak demand.

The Company's current proposed portfolio for its EWR program will continue to provide all customers with opportunities to reduce their energy usage, decrease their environmental impact, and lower their utility bills. In adopting a 2% electric savings goal, Consumers Energy is among a small group of utilities in the U.S. that recognize the environmental imperative of addressing the climate crisis and the critical role of energy efficiency. Its EWR goals are one way the Company is taking action to contribute to Michigan's Healthy Climate Plan and its own corporate philosophy of protecting people, planet, and prosperity.

Witness: Alex M. Gast

Date: August 26, 2025

U21870-GLREA-CE-0291

Page 1 of 1

Question:

22. What specific changes has the company made to its wholesale market participation rules, planning, forecasting, or processes to comply with FERC Order 2222?

a. What are the key challenges the company has faced in doing so?

Response:

Consumers Energy is actively monitoring and participating in the MISO Distributed Energy Resource Task Force. The Company is also active in MPSC work groups and discussions on the topic. The primary change the Company has made in this space is coordinating with MISO, the MPSC, and Aggregators of Retail Choice to review and approve registrations of Load Modifying Resources in the Consumers Energy Electric Distribution Company Footprint.

- A) A key challenge is the workload associated with coordinating, reviewing and approving valid registrations because it requires a lot of manual processing and the development of automation tools is pending FERC 2222 requirement finalization.

Witness: Megan L. Metz

Date: August 22, 2025

U21870-GLREA-CE-0292
Page 1 of 1

Question:

23. What changes to the company's rate design (e.g., time-of-use rates, performance based rates) are being considered or proposed to reflect the value of VPPs and incentivize customer participation?

Response:

The Company is not proposing any changes currently.

Witness: Laura M. Connolly

Date: August 26, 2025

U21870-GLREA-CE-0293
Page 1 of 2

Question:

24. What specific measures is the company taking to ensure that programs are accessible and beneficial to low-income customers, renters, and other underserved communities?

a. How do the company's programs include an impactful low-income or equity-focused component?

Response:

The Energy Assistance team is committed to making programs accessible and impactful for low-income customers, renters, and underserved communities by using a multi-channel communication strategy, including digital outreach, social media, email, robo and CSR calls, bill inserts, letters, postcards, and dedicated program microsites, to ensure customers are informed and supported.

The Company's grassroots efforts are led by a dedicated outreach specialist who actively engages with vulnerable communities, attending over 50 events annually and maintaining 60–75 monthly touchpoints with 20–25 partner agencies that serve low- and moderate-income customers. Support is tailored to each agency's needs, ranging from one-time training to ongoing collaboration.

Another public outreach initiative focused on access for Energy and Environmental Justice (EEJ) communities is the Energizing Equity series led by the Community Affairs and Diversity, Equity, and Inclusion function. Launched in January 2025, the series consists of quarterly in-person engagements led by Consumers Energy and co-hosted by external community partners across Flint, Jackson, Kalamazoo, and Grand Rapids. These sessions aim to connect customers with programs, resources, and information to save money and improve the overall safety and well-being outcomes for community members. In conjunction with bridging information access gaps, the goal is to also capture community member feedback and perspective on energy related topics spanning safety, reliability, affordability, clean energy supply, customer programs, and community sustainability.

The Green Giving program is designed to provide low-income customers with access to renewable energy resources, along with bill credits generated from the sale of that renewable energy. To ensure targeted outreach, the program is actively collaborating with Michigan Energy Assistance Program (MEAP) agencies to identify and enroll eligible customers in need. Additionally, Green Giving integrates with the Helping Neighbors initiative, which uses geo-targeting to reach households located within low-income census tracts. This strategic approach enhances our ability to connect with underserved communities. To further simplify access, the program also offers a streamlined online enrollment process. With just a few clicks, customers can explore available offerings and enroll in programs that help reduce their monthly energy bills.

Consumers Energy proactively collaborates with trusted partners, including Michigan 2-1-1, tax advocacy groups, local nonprofits, MEAP agencies, DHHS, and the MPSC, to ensure customers have access to reliable support when they need it most. Through these partnerships, the Company can share data, insights, and communication strategies to create a clear, coordinated path to assistance, making it easier for customers to navigate available resources with confidence.

U21870-GLREA-CE-0293

Page 2 of 2

Finally, Consumers Energy plays a proactive role in shaping energy assistance programs through active participation in MEAP workgroups and MPSC subcommittees, helping to align communications, enhance program design, and explore co-branded marketing opportunities with agency partners. Consumers Energy's CARE MB program offers a sustainable path to energy stability by helping customers develop consistent bill payment habits, reduce past-due balances, and become more mindful of their energy use. It's designed to empower customers with the tools and support they need to take control of their energy journey.

Witness: Jessica R. Byrom

Date: August 26, 2025

U21870-GLREA-CE-0295
Page 1 of 1

Question:

26. How is the company ensuring that customer-owned DERs (e.g., rooftop solar, batteries, Electric Vehicles) are a central part of its infrastructure strategy?

Response:

Please see the discussion in Exhibit A-129 (MPK-19), the sections “Challenges from Customer Technology Adoption,” beginning on page 31, and “Non-Load Challenges from Customer Technology Adoption,” beginning on page 34.

Witness: Michael P. Kelly

Date: August 26, 2025

U21870-GLREA-CE-0296
Page 1 of 1

Question:

27. Please provide the marginal hourly cost per MWh per hour of the year of grid services for ratepayers, projected out for 20 years, or as far as has been forecasted.

a. Please provide the breakdown/itemization of these costs including but not limited to: energy, losses, ancillary services, capacity, transmission, distribution, and any other adders or other costs associated with the delivery of power to residential ratepayers

Response:

The Company does not have such a forecast.

Witness: Laura M. Connolly

Date: August 26, 2025

U21870-GLREA-CE-0297
Page 1 of 1

Question:

28. How does the company's internal analysis compare the cost and benefits of a VPP to a traditional company asset (e.g., a natural gas peaker plant or a substation upgrade)?

- a. Please provide examples of these comparative analyses.
- b. What assumptions underpin this analysis?

Response:

The Company has not completed cost/benefit analysis of VPPs compared to traditional company assets.

- a. N/A
- b. N/A

Witness: Alex M. Gast
Date: August 26, 2025

U21870-GLREA-CE-0298

Page 1 of 1

Question:

29. For all VPP-related research, pilots, and investments, please provide a detailed breakdown of the costs and the quantifiable avoided costs of implementation (e.g., deferred T&D investments, avoided peaker plant costs, wholesale market savings).

Response:

The Company has not completed research, pilot studies, or investments into VPPs.

Witness: Alex M. Gast

Date: August 26, 2025

U21870-GLREA-CE-0299
Page 1 of 1

Question:

30. Please provide a detailed breakdown of the company's methodology for measuring and valuing the impacts of grid services provided by distributed energy resources.

- a. How do these calculations account for the locational and temporal value of these resources?
- b. How does the company measure impacts of DERs on the grid, in particular regarding peak hours?

Response:

The Company does not currently account for the locational or temporal value of DERs, and does not currently measure impacts of DERs on the operational performance of the grid. When customers apply to interconnect DERs, the Company does perform needed interconnection studies to ensure that the DERs will not negatively impact the distribution system or impact the transmission system.

Witness: Michael P. Kelly

Date: August 26, 2025

U21870-GLREA-CE-0301
Page 1 of 1

Question:

32. How do the measured impacts from EE, DR, and DER programs impact the company's infrastructure planning?

Response:

The Company has not quantified the impacts of EE, DR, or DER programs on its distribution infrastructure planning.

Witness: Michael P. Kelly

Date: August 26, 2025

U21870-GLREA-CE-0302
Page 1 of 1

Question:

33. How do the deemed or calculated impacts from EE, DR, and DER programs impact the company's infrastructure planning?

Response:

Any potential deemed or calculated impacts of the EE, DR, and DER programs do not currently impact distribution infrastructure planning. As explained by Witness McPhail in his testimony starting on page 60, the Load Flow Tool Upgrade is required for the Company to incorporate DER into planning.

Witness: Michael P. Kelly

Date: August 26, 2025



August 26, 2025

Via Electronic Mail

Don L. Keskey, Esq.
Public Law Resource Center PLLC
University Office Place
333 Albert Avenue, Suite 425
East Lansing, MI 48823

RE: Case No. U-21870 – In the matter of the application of Consumers Energy Company for authority to increase its rates for the generation and distribution of electricity and for other relief.

Dear Mr. Keskey:

Attached to this letter are copies of the following documents:

- A copy of your August 14, 2025 interrogatories with our internal numbering system annotated in the margins;
- Consumers Energy Company's response to 21870-GLREA-CE-0270-0278, 0280-0282, 0287-0289, 0291-0293, 0295-0299, 0301-0302; and
- The attachments pertaining to 0272, 0273, and 0274 are being provided electronically to all parties.

A Proof of service has been electronically filed in this docket. Please contact me if you have any questions regarding this matter.

Sincerely,

Gary A. Gensch, Jr.

CC Parties Per Attachment 1 to the Proof of Service

STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the application of
CONSUMERS ENERGY COMPANY
for authority to increase its rates for the generation
and distribution of electricity and for other relief

Case No. **U-21870**

_____/

**FIRST DISCOVERY REQUEST OF
THE GREAT LAKES RENEWABLE ENERGY ASSOCIATION
TO CONSUMERS ENERGY COMPANY**

TO: mpsc.filings@cmsenergy.com
Gary A. Gensch, Jr. (garygenschjr@cmsenergy.com)
Anne M. Uitvlugt (anne.uitvlugt@cmsenergy.com)
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Spencer A. Sattler (spencer.sattler@cmsenergy.com)
Mark R. Ruskewicz (mark.ruskewicz@cmsenergy.com)

The Great Lakes Renewable Energy Association (GLREA) serves this First Discovery Request upon Consumers Energy Company. Please serve copies of all responses, attachments, and documents to GLREA counsel Don L. Keskey at donkeskey@publiclawresourcecenter.com and to GLREA Experts Richard Boehnke at rick.boehnke@gmail.com, John Richter at johnrichter@pm.me and Robert Rafson at rob@charthouseenergy.com.

INTERROGATORIES AND REQUESTS FOR DOCUMENTS

I. Data Focus and Transparency:

21870-GLREA-CE-0270

1. At what intervals does the company collect real-time usage data from residential ratepayers?

a. Is data collected on a circuit or even sub-circuit level for devices (such as EVs, thermostats, etc...)? If so, what is the frequency of this data collection (e.g., every 5 minutes, every 15 minutes)?

21870-GLREA-CE-0271

2. What usage data is made available to third-party aggregators, program implementors, or other entities, and how is it provided?

- a. How is ratepayer meter data used to optimize program delivery and drive impacts?
 - i. Are customers targeted based on their loadshapes and peak usage?
 - ii. How is non-participant data used to support customer targeting?
- b. Is there a standardized data-sharing protocol (e.g., Green Button Connect or company API)? If not, please explain the process for data exchange.

21870-GLREA-CE-0272

3. Please provide zip code-level list of required infrastructure upgrades for the next 10 years including the cost of the equipment. Also:

- a. Please list the reason for the upgrades
- b. How is meter data used to inform these decisions?
- c. How do existing energy efficiency, demand response, DER, or VPP programs impact these planned developments?
- d. For investments impacting peak capacity, please list
 - i. The current peak capacity of the area in kW or MW
 - ii. The current peak demand in kW or MW
 - iii. The projected peak demand that necessitates requires the upgrade in kW or MW
 - iv. The number of ratepayers served

21870-GLREA-CE-0273

4. What is the company's policy for protecting the privacy of customer data while providing access for innovation?

- a. What measures are in place to ensure that data is anonymized and used only for program-related purposes?

21870-GLREA-CE-0274

5. Please share outage data at the granularity of zip codes and/or substations across the company's service territory for the past 5 years:

- a. How many outages were experienced within each zip code or substation unit?
- b. How many hours were ratepayers without power?
- c. How many ratepayers were without power?

- d. What was the reason for each outage recorded?
- e. For an average day, what is the low and peak load?
- f. What is the limit of power available to this location before a load curtailment event occurs?
- g. Which areas are listed as income qualified, income eligible, low income, etc...?

II. Company Research and Development (R&D):

21870-GLREA-CE-0275

6. Please provide all cost-benefit analyses that have been conducted on Virtual Power Plant (VPP) programs and proposals

- a. What assumptions were made regarding customer participation rates, technology costs, delivered peak impacts, and avoided company infrastructure costs?
- b. How is it anticipated that VPPs would be funded by the company?
- c. What is the percentage of peak demand was calculated that could be addressed through VPPs?

21870-GLREA-CE-0276

7. What percentage of the company's total R&D budget is allocated to VPPs and other distributed energy resources (DERs)? Please provide a breakdown of this spending for the last three years.

- a. What research has been funded? At what levels?

21870-GLREA-CE-0277

8. Please provide a list of all pilot programs regarding virtual power plants, Demand Response, or EV Charging the company has initiated or participated in over the past 3 years.

- a. For each program, include the objective, timeline, budget, and a summary of the key findings and outcomes.

21870-GLREA-CE-0278

9. What is the company's strategy for integrating emerging DER technologies, such as vehicle-to-grid (V2G) capable electric vehicles and smart appliances into current or future programs?

- a. What groups are partnering across the company to coordinate and drive impacts?

21870-GLREA-CE-0279

10. How is the company incorporating VPPs into its load forecasting and long-term resource planning models?

- a. How are VPPs considered as an alternative to traditional generation or transmission and distribution (T&D) infrastructure? Why?
- b. What level of cost and cost deferment has been assessed for VPP delivery?

21870-GLREA-CE-0280

11. What partnerships has the company formed with other utilities, technology providers, VPP aggregators, and academic institutions to explore or advance its VPP capabilities?

21870-GLREA-CE-0281

12. What has the Edison Electric Institute written about VPPs?

- a. What studies have been made available?
- b. What calculations, spreadsheets, or other data have been provided?

21870-GLREA-CE-0282

13. What assumptions regarding DR, EE, and VPPs are built into load growth calculations?

- a. How do DR, EE, and VPPs support peak demand reductions?
 - a. 4 critical peaks in the summer
 - b. highest peak in each of 12 months

III. Peak Impacts from Existing Programs:

21870-GLREA-CE-0283

14. Please provide all data that shows peak demand reduction as measured at the meter, not deemed from a technical reference manual, from existing energy efficiency, demand response, and VPP programs for the past three years.

- a. Please share the calculated, modeled, deemed peak impacts from existing energy efficiency, demand response, and VPP programs for the past three years.
- b. Please share the methodology for measuring impacts at the meter that has been used for these programs
- c. Please share the research done to show the effectiveness and accuracy of the M&V methodology used to measure peak impacts of existing programs

21870-GLREA-CE-0284

15. For each existing residential program (energy efficiency, Demand Response, DER, or VPP), please provide the following measured data:

- a. The total number of enrolled customers and devices.
- b. The average and maximum load reduction achieved during a peak event.
- c. The value to the grid delivered, company cost savings, customer incentives
- d. The number of events dispatched in the last 3 years, and the duration of each event called
- e. The dispatch success rate (i.e., the percentage of devices that responded as expected).
- f. What criteria are used to trigger a demand response event? Is it based on a pre-determined schedule, or is it in response to real-time grid conditions?

21870-GLREA-CE-0285

16. What is the total cost of residential programs (energy efficiency, Demand Response, DER, or VPP) programs to date?

- a. Please provide a detailed breakdown of how the measured peak impacts have resulted in tangible benefits for ratepayers, such as avoided or deferred Generation, Transmission, and Distribution upgrades.

21870-GLREA-CE-0286

17. What metrics does the company use to measure customer satisfaction with these programs?

- a. Are there any data on customer churn rates or complaints related to the programs' operations?

21870-GLREA-CE-0287

18. How did the company derive \$1/kW for critical peak payments for the Critical Peak Pricing program?
- a. What is the math behind this decision?

IV. Regulatory and Policy Strategy:

21870-GLREA-CE-0288

19. What are the company's top three regulatory barriers to developing and implementing VPPs, and what specific policy changes or new regulations is the company advocating for to overcome these barriers?

21870-GLREA-CE-0289

20. How do the company's current and planned EE, DR, DER, and VPP programs align with the state's climate, clean energy, and decarbonization goals?
- a. Please provide specific examples of how VPPs are helping the company meet these targets.

21870-GLREA-CE-0290

21. How is the company evaluating VPPs and other EE, DR, and DERs as potential non-wires alternatives to traditional Generation, Transmission, and Distribution infrastructure investments?
- a. Please provide examples of any Generation, Transmission, and Distribution projects that have been deferred or replaced by EE, DR, DER, or VPP projects.

21870-GLREA-CE-0291

22. What specific changes has the company made to its wholesale market participation rules, planning, forecasting, or processes to comply with FERC Order 2222?
- a. What are the key challenges the company has faced in doing so?

21870-GLREA-CE-0292

23. What changes to the company's rate design (e.g., time-of-use rates, performance-based rates) are being considered or proposed to reflect the value of VPPs and incentivize customer participation?

V. Equity and Customer Engagement:

21870-GLREA-CE-0293

24. What specific measures is the company taking to ensure that programs are accessible and beneficial to low-income customers, renters, and other underserved communities?

- a. How do the company's programs include an impactful low-income or equity-focused component?

21870-GLREA-CE-0294

25. What is the company's stance on working with third-party aggregators of EE, DR, and DER assets?

- a. What is the current process for these third parties to interact with the company's systems and enroll customers?
- b. What, if any, are the company's plans to develop a market for VPP services?

21870-GLREA-CE-0295

26. How is the company ensuring that customer-owned DERs (e.g., rooftop solar, batteries, Electric Vehicles) are a central part of its infrastructure strategy?

VI. Financial and Cost Recovery:

21870-GLREA-CE-0296

27. Please provide the marginal hourly cost per MWh per hour of the year of grid services for ratepayers, projected out for 20 years, or as far as has been forecasted.

- a. Please provide the breakdown/itemization of these costs including but not limited to: energy, losses, ancillary services, capacity, transmission, distribution, and any other adders or other costs associated with the delivery of power to residential ratepayers

21870-GLREA-CE-0297

28. How does the company's internal analysis compare the cost and benefits of a VPP to a traditional company asset (e.g., a natural gas peaker plant or a substation upgrade)?

- a. Please provide examples of these comparative analyses.
- b. What assumptions underpin this analysis?

21870-GLREA-CE-0298

29. For all VPP-related research, pilots, and investments, please provide a detailed breakdown of the costs and the quantifiable avoided costs of implementation (e.g., deferred T&D investments, avoided peaker plant costs, wholesale market savings).

VII. Measurement and Verification

21870-GLREA-CE-0299

30. Please provide a detailed breakdown of the company's methodology for measuring and valuing the impacts of grid services provided by distributed energy resources.

- a. How do these calculations account for the locational and temporal value of these resources?
- b. How does the company measure impacts of DERs on the grid, in particular regarding peak hours?

21870-GLREA-CE-0300

31. What process does the company undergo to provide settlement to participating customers and aggregators in EE, DR, and DER programs?

- a. What is the timeline for an individual payment after an installation, event, measurement period?

21870-GLREA-CE-0301

32. How do the measured impacts from EE, DR, and DER programs impact the company's infrastructure planning?

21870-GLREA-CE-0302

33. How do the deemed or calculated impacts from EE, DR, and DER programs impact the company's infrastructure planning?

Respectfully submitted,

Don L. Keskey

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Dated: August 14, 2025

U21870-GLREA-CE-0270 (Partial)
Page 1 of 1

Question:

1. At what intervals does the company collect real-time usage data from residential ratepayers?
 - a. Is data collected on a circuit or even sub-circuit level for devices (such as EVs, thermostats, etc...)? If so, what is the frequency of this data collection (e.g., every 5 minutes, every 15 minutes)?

Response:

This response addresses the question regarding data collection from residential customers.

The Company collects usage data from residential customers at 60-minute intervals from the meter using advanced metering infrastructure (AMI).

- a. The Company does not collect data at the circuit or sub-circuit level for individual devices such as thermostats. For customers participating in the Smart Thermostat Demand Response program, usage data is collected from the meter during demand response events to evaluate load reduction.

On an as-needed basis, the Company can manually aggregate meter-level data to higher system levels such as circuit, feeder, or transformer, if required for operational or analytical purposes.

Witness: BRITTANI A. GRAY

Date: August 26, 2025

U21870-GLREA-CE-0270 (Partial)
Page 1 of 1

Question:

1. At what intervals does the company collect real-time usage data from residential ratepayers?
 - a. Is data collected on a circuit or even sub-circuit level for devices (such as EVs, thermostats, etc...)? If so, what is the frequency of this data collection (e.g., every 5 minutes, every 15 minutes)?

Response:

This answer is in specific response to electric vehicle (EV) load monitoring.

For the residential program, the Company utilizes whole-home meter disaggregation to collect hourly load data for each participating EV on a monthly basis.

For commercial and public EV charging loads that are separately metered, the Company collects data via our monthly billing cycles, which also utilizes hourly data.

Witness: Jeffrey A. Myrom

Date: August 26, 2025

Question:

2. What usage data is made available to third-party aggregators, program implementors, or other entities, and how is it provided?
- a. How is ratepayer meter data used to optimize program delivery and drive impacts?
 - i. Are customers targeted based on their loadshapes and peak usage?
 - ii. How is non-participant data used to support customer targeting?
 - b. Is there a standardized data-sharing protocol (e.g., Green Button Connect or company API)? If not, please explain the process for data exchange.

Response:

To share usage data with third-party aggregators, program implementors, or other entities the Company requires that there be a valid Letter of Authorization (“LOA”) on file or else usage data will not be released. The LOA is the tool that establishes that there is a relationship between the aggregator and the customer. If there is an LOA on file, the Company will usually provide seasonal peak data for the specific customer.

Data typically includes registrations (reflecting the correct registration values submitted into MISO, consistent with the customer’s historical usage data) and checks that submitted amounts (seasonal peak demand matches what is ultimately used in program registrations) are accurate and properly validated, and ensuring the load amount tied to the registration reflects what the customer can actually provide in a demand response event.

Data is provided via excel spreadsheets

- a. Ratepayer interval meter data is a critical input for optimizing program delivery and ensuring measurable impacts. This data enables third-party aggregators to effectively collaborate with customers in developing tailored Energy Reduction Plans (“ERPs”) and determine appropriate nomination amounts. By leveraging interval data—in addition to direct engagement to understand the customer’s operational profile—aggregators can more accurately forecast and commit to load reductions. This process enhances Consumers Energy’s ability to meet its capacity reduction obligations submitted to MISO, thereby supporting grid reliability and aligning with regulatory expectations for demand response performance.
 - i. Consumers Energy has not issued formal guidance to third-party aggregators regarding specific methodologies for customer targeting based on load shapes or peak usage patterns. As a result, aggregators independently determine their outreach strategies, which may vary based on their own analysis of customer interval data and operational characteristics. While load profile considerations

are likely part of their evaluation, there is currently no standardized approach mandated by Consumers Energy for this aspect of customer engagement.

- ii. As noted in subpart (i), Consumers Energy has not provided formal guidance to third-party aggregators regarding customer targeting methodologies. Consequently, Consumers does not have visibility into whether or how non-participant data is utilized by aggregators to inform their outreach strategies.

- b. The Company has historically directed third party aggregators to “Green Button Connect” and/or have also utilized the “Business Center – Release of Customer Information Form” (aka the LOA). More information on this can be found on the Company’s Data Sharing Center website: [Consumers Energy - Green Button Home](#).

Witness: Alex M. Gast

Date: August 26, 2025

Question:

3. Please provide zip code-level list of required infrastructure upgrades for the next 10 years including the cost of the equipment. Also:

- a. Please list the reason for the upgrades
- b. How is meter data used to inform these decisions?
- c. How do existing energy efficiency, demand response, DER, or VPP programs impact these planned developments?
- d. For investments impacting peak capacity, please list
 - i. The current peak capacity of the area in kW or MW
 - ii. The current peak demand in kW or MW
 - iii. The projected peak demand that necessitates requires the upgrade in kW or MW
 - iv. The number of ratepayers served

Response:

Regarding HVD, substation, and Metro projects:

- a. The Company has not identified projects for the next 10 years. All projects for the bridge period and test year in the instant case are listed in Exhibits A-109 (MLH-3) and A-110 (MLH-4). These lists include the municipal location of each project; note that some projects span multiple municipalities and are identified by county.
- b. Meter data, SCADA data, and DSCADA data are used along with load forecasts to project load on the HVD System for building the overall HVD System power flow model (refer to the discussion on page 120, line 5, through page 122, line 13, of my direct testimony) which is used to monitor and project the loading on the HVD System as a whole.
- c. These programs generally do not impact planned projects listed in Exhibits A-109 (MLH-3) and A-110 (MLH-4). Refer to page 131, lines 12 through 22, of my direct testimony regarding how non-wires solutions may impact the LVD Substations Capacity sub-program.
- d. For LVD Substations Capacity projects, please refer to my Attachment 1 to this response. For HVD Lines and Substations Capacity projects, please refer to my Attachment 2 to this response.

Witness: Megan L. Hayward

Date: August 26, 2025

Question:

3. Please provide zip code-level list of required infrastructure upgrades for the next 10 years including the cost of the equipment. Also:

- a. Please list the reason for the upgrades
- b. How is meter data used to inform these decisions?
- c. How do existing energy efficiency, demand response, DER, or VPP programs impact these planned developments?
- d. For investments impacting peak capacity, please list
 - i. The current peak capacity of the area in kW or MW
 - ii. The current peak demand in kW or MW
 - iii. The projected peak demand that necessitates requires the upgrade in kW or MW
 - iv. The number of ratepayers served

Response:

Objection of Counsel: Consumers Energy Company objects to this discovery request because it requests an analysis that Consumers Energy has not performed and is not relevant and proportional to the needs of the case. Without waiving this objection, Consumers Energy responds as follows:

Regarding LVD lines projects:

- a. The Company has not identified projects for the next 10 years. All projects for the bridge period and test year in the instant case are listed in Exhibits A-166 (JMP-1) and A-167 (JMP-2). These lists include the municipal location of each project; note that some projects span multiple municipalities and are identified by county.
- b. The Company uses AMI data in a variety of ways to inform LVD lines planning decisions. Please refer to the following locations of my direct testimony: page 44, lines 3 through 9; page 81, line 20, through page 82, line 4; page 84, line 9, through page 85, line 2; page 88, lines 1 through 17; page 108, lines 1 through 12; and page 123, lines 10 through 19.
- c. These programs generally do not impact planned projects listed in Exhibits A-166 (JMP-1) and A-167 (JMP-2).
- d. For LVD Lines Capacity projects, please refer to Attachment 1 to this response for bridge period projects and Attachment 2 to this response for test year projects. Capacity is provided in kVA, instead of kW or MW, because kVA is used by the Company in assessing peak capacity for these assets. Some LVD Lines Capacity projects were initiated by substation capacity projects from prior years rather than by peak capacity issues on the LVD lines assets themselves.

Witness: Jennifer M Partlan

Date: August 26, 2025

Question:

4. What is the company's policy for protecting the privacy of customer data while providing access for innovation?
- a. What measures are in place to ensure that data is anonymized and used only for program-related purposes?

Response:

Consumers Energy takes securing customer data very seriously.

The Company has an internal Security Data Standard that is owned and maintained by IT Security. Roles and access requests are managed internally to ensure that only employees who need access to customer data are provided.

The Company's external data protection policy may be found in U21870-GLREA-CE-0273_ATT_1 , as well as in C17. of the Company's tariff. Collection and use of customer data is detailed within.

- a. A summary of the guidelines the Company uses for anonymizing external data before it is shared is noted below. This process is a part of the internal Security Data Standard owned by IT Security.
- RESIDENTIAL
- a. 1 customer cannot make up more than 15% of the consumption/metric
 - b. More than 15 customers
- Non-RESIDENTIAL
- c. 1 customer cannot make up more than 50% of the consumption/metric
 - d. More than 4 customers

Witness: Jessica R. Byrom

Date: August 26, 2025

Question:

5. Please share outage data at the granularity of zip codes and/or substations across the company's service territory for the past 5 years:

- a. How many outages were experienced within each zip code or substation unit?
- b. How many hours were ratepayers without power?
- c. How many ratepayers were without power?
- d. What was the reason for each outage recorded?
- e. For an average day, what is the low and peak load?
- f. What is the limit of power available to this location before a load curtailment event occurs?
- g. Which areas are listed as income qualified, income eligible, low income, etc...?

Response:

Objection of Counsel: Consumers Energy Company objects to this discovery request because it requests an analysis Consumers Energy has not performed and is not relevant and proportional to the needs of the case. Without waiving this objection, Consumers Energy responds as follows:

Please refer to Attachment 1 to this discovery response for the data relating to subparts a through d, listing data by substation. The number of discrete outage events are shown for each year, along with the cumulative outage hours (i.e., the numerator in SAIDI calculations), the total number of customers experiencing an outage (i.e., the numerator in SAIFI calculations), and the number of outages tied to each cause code.

Substation-level data relevant to subpart e was provided in Company witness Hayward's attachment to discovery response 21870-MNSC-CE-0207.

The Company does not have a defined limit of power on its substations at which load curtailment would take place. While each substation has a maximum capacity rating, exceeding that rating does not automatically lead to curtailment. Equipment can operate for a limited amount of time at emergency ratings, and in many areas the Company is able to transfer load to be served from a different substation if necessary. Additionally, I am not aware of any occasions in which the Company has curtailed load to customers due to high load on a substation. The Company makes prudent investments in substation capacity to ensure that sustained overloads do not happen.

Certain areas of the Company's service territory are defined as EJ communities, as discussed on page 71, line 23, through page 73, line 6 of my direct testimony (see also the references in footnote 17 of my direct testimony). Underlying data on where these communities are located were provided in my workpaper MPK-WP-1.

Witness: Michael P. Kelly 1

Date: August 26, 2025

Question:

6. Please provide all cost-benefit analyses that have been conducted on Virtual Power Plant (VPP) programs and proposals

a. What assumptions were made regarding customer participation rates, technology costs, delivered peak impacts, and avoided company infrastructure costs?

b. How is it anticipated that VPPs would be funded by the company?

c. What is the percentage of peak demand was calculated that could be addressed through VPPs?

Response:

The Company has not conducted any cost-benefit analysis on VPP programs or proposals. Please note that this response does not cover any DR or EE programs and proposals.

- a. As stated above, the Company has not conducted any cost-benefit analysis on VPP programs or proposals.
- b. The Company has not developed a position on how VPPs would be funded.
- c. The Company has not conducted these calculations.

Witness: Scott A. Mcphail

Date: August 26, 2025

Question:

7. What percentage of the company's total R&D budget is allocated to VPPs and other distributed energy resources (DERs)? Please provide a breakdown of this spending for the last three years.

a. What research has been funded? At what levels?

Response:

The Company does not have the requested type of R&D budget.

Witness: Scott A. Mcphail

Date: August 26, 2025

Question:

8. Please provide a list of all pilot programs regarding virtual power plants, Demand Response, or EV Charging the company has initiated or participated in over the past 3 years.

a. For each program, include the objective, timeline, budget, and a summary of the key findings and outcomes.

Response:

In the last three years, the Company has participated in or led the following pilots related to Virtual Power Plants, Demand Response and EV Charging:

- **DR Generator, Residential**

- Objective: Test energy demand potential on dispatchable home generators to call on during an energy demand event.
- Timeline: 2021-2022
- Budget
 - 2021: O&M - \$390,000; Capital - \$537,000
 - 2022: O&M - \$472,000; Capital - \$575,000
- Summary: The pilot experienced significant enrollment challenges and showed decreased demand potential year over year with increased costs. The pilot was not cost effective, and the Company discontinued it in 2022.

- **DR Generator, Small + Medium Business**

- Objective: Test energy demand potential on dispatchable generators at small- to medium-sized businesses to call on during an energy demand event.
- Timeline: 2022-2023
- Budget:
 - 2022: O&M - \$232,000
- Summary: In the Settlement Agreement for Case No. U-21233, the Company agreed to truncate the pilot phase and commercialize the program while continuing to analyze its performance and costs. During commercialization, the Company uncovered a smaller than expected customer market due to equipment and/or software constraints, resulting

in zero program enrollments. After switching to a different vendor, the Company again found a lack of available market and was not able to test demand savings potential. The program was sunset in 2023.

- **DR Multi-Use Switch, Residential**

- Objective: Test load reduction potential on direct load control switches used in the AC Peak Cycling Program on residential water heaters, pool pumps, and hot tub heaters.
- Timeline: 2020-2022
- Budget:
 - 2022: O&M - \$121,000; Capital - \$187,000
 - 2023: O&M - \$422,000; Capital - \$924,000
- Summary: Originally proposed as the Customized Load Control Switch pilot in the Company's 2018 DR Reconciliation filing in Case No. U-20563, the pilot became the multi-use switch pilot and eventually commercialized as part of the Device Cycling Program that included AC Peak Cycling and the Electric Water Heater DR Programs. The Electric Water Heater Program enrolled approximately 2,000 participants before shutting down operations at the end of 2023 due to cost effectiveness and DR program restructuring.

- **DR Smart Home Pilot, Residential**

- Objective: Test energy demand potential on dispatchable home smart plugs to call on during an energy demand event.
- Timeline: 2021-2023
- Budget:
 - 2021: O&M - \$115,000
 - 2022: O&M - \$899,000
 - 2023: O&M - \$184,000
- Summary: The pilot showed low customer satisfaction after customers experienced communication issues between the smart plugs and app to control the demand as well as no significant increase in capacity. The Company sunset the pilot in 2023.

- **DR Low-Income Pilot Research**

- Objective: Research DR participation rates and barriers with low-income customers to assess how better to provide this customer segment with access to DR opportunities.
- Timeline: 2021-2022
- Budget:

- 2021: O&M - \$76,000
- 2022: O&M - \$98,000
- Summary: The research indicated that low-income customers primarily participate in DR programs to save money on their energy bills, but participants should be provided additional reminders and insights on how to save energy during events to encourage continued participation and benefits. Newer participants were less likely to have started making their homes more energy efficient, including equipment upgrades (such as new appliances or efficient HVAC), and were less familiar with ways to save energy. Given this, the Company decided to transition learnings to the Residential DR team to inform an improved customer experience for low-income customers rather than proceed to pilot a new type of DR offering for these customers.

Witness: Alex M. Gast

Date: August 26, 2025

Question:

8. Please provide a list of all pilot programs regarding virtual power plants, Demand Response, or EV Charging the company has initiated or participated in over the past 3 years.

a. For each program, include the objective, timeline, budget, and a summary of the key findings and outcomes.

Response:

The Company has not conducted any pilot programs regarding virtual power plants.

Witness: Scott A. Mcphail

Date: August 26, 2025

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Page 1 of 1

Question:

9. What is the company's strategy for integrating emerging DER technologies, such as vehicle-to-grid (V2G) capable electric vehicles and smart appliances into current or future programs?
- a. What groups are partnering across the company to coordinate and drive impacts?

Response:

This response is specific to electric vehicles (EV). The near-term strategy for the Company is to continue to monitor the cost and capabilities of bidirectional charging before engaging in a pilot or potential permanent program. The reason for this is that bidirectional chargers are significantly more expensive than a networked or unnetworked Level 2 (L2) charger, and the installation costs are also significantly higher for customers. In total, there is a significant price barrier for customers to engage in bidirectional charging, and thus adoption is presently low. That said, we do expect that more EVs will offer bidirectional capabilities in the future and that costs will come down as the market grows and thus will continue to monitor market developments.

Witness: Jeffrey A. Myrom
Date: August 26, 2025

Question:

11. What partnerships has the company formed with other utilities, technology providers, VPP aggregators, and academic institutions to explore or advance its VPP capabilities?

Response:

The Company has not formed partnerships to explore or advance its VPP capabilities.

Witness: Alex M. Gast

Date: August 26, 2025

Question:

11. What partnerships has the company formed with other utilities, technology providers, VPP aggregators, and academic institutions to explore or advance its VPP capabilities?

Response:

The Company is not engaged in any partnerships regarding VPPs.

Witness: Scott A. Mcphail

Date: 8/25/2025

Question:

12. What has the Edison Electric Institute written about VPPs?
- a. What studies have been made available?
 - b. What calculations, spreadsheets, or other data have been provided?

Response:

Objection of Counsel: Consumers Energy Company objects to this discovery request because it requests an analysis that Consumers Energy has not performed, requests information that is not in the Company's possession, and is not relevant and proportional to the needs of the case. Without waiving this objection, Consumers Energy responds as follows:

The Company has not developed a synthesis of Edison Electric Institute's work related to VPPs.

Witness: Scott A. Mcphail

Date: August 26, 2025

Question:

13. What assumptions regarding DR, EE, and VPPs are built into load growth calculations?

- a. How do DR, EE, and VPPs support peak demand reductions?
- a. 4 critical peaks in the summer
- b. highest peak in each of 12 months

Response:

- a. Please refer to my direct testimony, starting on page 19 (line 18) to page 20 (line 10) for peak demand reductions. No peak demand reductions are included in the load forecast related to VPP.
- b. I have made no change to the 4CP based on DR, EE or VPP.
- c. I have made no change to the 12CP based on DR, EE or VPP.

Witness: Eugène M. Breuring

Date: August 21, 2025

Question:

18. How did the company derive \$1/kW for critical peak payments for the Critical Peak Pricing program?
- a. What is the math behind this decision?

Response:

The \$1.00/kWh critical peak price was originally \$0.95/kWh, approved in Case No. U-17735. The Company justified setting the price at this level to incent customers to take action to shift/reduce energy consumption. In Case No. U-20697, the Company proposed increasing it to \$1.00/kWh to simplify communications.

Witness: Alex M. Gast

Date: August 26, 2025

Question:

19. What are the company's top three regulatory barriers to developing and implementing VPPs, and what specific policy changes or new regulations is the company advocating for to overcome these barriers?

Response:

Objection of Counsel: Consumers Energy Company objects to this discovery request because it requests an analysis that the Company has not performed. Without waiving this objection, Consumers Energy responds as follows:

The Company has not developed a ranking of regulatory barriers to developing and implementing VPPs. However, from the perspective of electric distribution, some regulatory considerations include:

- The Company has not been granted approval to recover the costs of developing DERMS. The lack of DERMS prevents the Company from being able to orchestrate the operation of DERs.
- Some VPP applications may be developed through the Commission's expedited pilot process, but this process is still new, and no pilots have yet been approved through this process. The Company plans to propose a non-wires solutions pilot through this process (see discovery response 21870-GLREA-CE-290).
- The MPSC is hosting a Distributed Energy Resources Benefit Cost Analysis Collaborative as part of the Commission's October 12, 2023 order in Case No. U-20898. The work in this collaborative is ongoing, and an open-source tool to serve as a model for benefit-cost analysis has not yet been finalized.

Witness: MICHAEL P. KELLY

Date: August 26, 2025

Question:

20. How do the company's current and planned EE, DR, DER, and VPP programs align with the state's climate, clean energy, and decarbonization goals?

a. Please provide specific examples of how VPPs are helping the company meet these targets.

Response:

As part of assessing its portfolio in light of planned cases and other regulatory, legal, and political inputs to the day-to-day planning and operations, the Company remains committed to both the State of Michigan's goals, as well as its own stated goal of decarbonization by 2040.

The Company's Demand Response (DR) and Energy Efficiency (here EWR) plans reflect these goals in significant ways, including an increased focus on customer input and the low- to middle-income customers.

The Company offers a DR portfolio comprising both business and residential programs. The DR portfolio helps balance Michigan's electricity need to help protect the grid, react to emergencies, and avoid the cost and environmental impact of additional generation infrastructure to serve system peaks. The reduction in peak load resulting from the DR portfolio is intended to relieve stress on the electric system in a more cost-effective manner than purchasing capacity from the market or building additional generation resources to meet peak demand.

The Company's current proposed portfolio for its EWR program will continue to provide all customers with opportunities to reduce their energy usage, decrease their environmental impact, and lower their utility bills. In adopting a 2% electric savings goal, Consumers Energy is among a small group of utilities in the U.S. that recognize the environmental imperative of addressing the climate crisis and the critical role of energy efficiency. Its EWR goals are one way the Company is taking action to contribute to Michigan's Healthy Climate Plan and its own corporate philosophy of protecting people, planet, and prosperity.

Witness: Alex M. Gast

Date: August 26, 2025

Question:

22. What specific changes has the company made to its wholesale market participation rules, planning, forecasting, or processes to comply with FERC Order 2222?

a. What are the key challenges the company has faced in doing so?

Response:

Consumers Energy is actively monitoring and participating in the MISO Distributed Energy Resource Task Force. The Company is also active in MPSC work groups and discussions on the topic. The primary change the Company has made in this space is coordinating with MISO, the MPSC, and Aggregators of Retail Choice to review and approve registrations of Load Modifying Resources in the Consumers Energy Electric Distribution Company Footprint.

- A) A key challenge is the workload associated with coordinating, reviewing and approving valid registrations because it requires a lot of manual processing and the development of automation tools is pending FERC 2222 requirement finalization.

Witness: Megan L. Metz

Date: August 22, 2025

Question:

23. What changes to the company's rate design (e.g., time-of-use rates, performance based rates) are being considered or proposed to reflect the value of VPPs and incentivize customer participation?

Response:

The Company is not proposing any changes currently.

Witness: Laura M. Connolly

Date: August 26, 2025

Question:

24. What specific measures is the company taking to ensure that programs are accessible and beneficial to low-income customers, renters, and other underserved communities?

a. How do the company's programs include an impactful low-income or equity-focused component?

Response:

The Energy Assistance team is committed to making programs accessible and impactful for low-income customers, renters, and underserved communities by using a multi-channel communication strategy, including digital outreach, social media, email, robo and CSR calls, bill inserts, letters, postcards, and dedicated program microsites, to ensure customers are informed and supported.

The Company's grassroots efforts are led by a dedicated outreach specialist who actively engages with vulnerable communities, attending over 50 events annually and maintaining 60–75 monthly touchpoints with 20–25 partner agencies that serve low- and moderate-income customers. Support is tailored to each agency's needs, ranging from one-time training to ongoing collaboration.

Another public outreach initiative focused on access for Energy and Environmental Justice (EEJ) communities is the Energizing Equity series led by the Community Affairs and Diversity, Equity, and Inclusion function. Launched in January 2025, the series consists of quarterly in-person engagements led by Consumers Energy and co-hosted by external community partners across Flint, Jackson, Kalamazoo, and Grand Rapids. These sessions aim to connect customers with programs, resources, and information to save money and improve the overall safety and well-being outcomes for community members. In conjunction with bridging information access gaps, the goal is to also capture community member feedback and perspective on energy related topics spanning safety, reliability, affordability, clean energy supply, customer programs, and community sustainability.

The Green Giving program is designed to provide low-income customers with access to renewable energy resources, along with bill credits generated from the sale of that renewable energy. To ensure targeted outreach, the program is actively collaborating with Michigan Energy Assistance Program (MEAP) agencies to identify and enroll eligible customers in need. Additionally, Green Giving integrates with the Helping Neighbors initiative, which uses geo-targeting to reach households located within low-income census tracts. This strategic approach enhances our ability to connect with underserved communities. To further simplify access, the program also offers a streamlined online enrollment process. With just a few clicks, customers can explore available offerings and enroll in programs that help reduce their monthly energy bills.

Consumers Energy proactively collaborates with trusted partners, including Michigan 2-1-1, tax advocacy groups, local nonprofits, MEAP agencies, DHHS, and the MPSC, to ensure customers have access to reliable support when they need it most. Through these partnerships, the Company can share data, insights, and communication strategies to create a clear, coordinated path to assistance, making it easier for customers to navigate available resources with confidence.

Finally, Consumers Energy plays a proactive role in shaping energy assistance programs through active participation in MEAP workgroups and MPSC subcommittees, helping to align communications, enhance program design, and explore co-branded marketing opportunities with agency partners. Consumers Energy's CARE MB program offers a sustainable path to energy stability by helping customers develop consistent bill payment habits, reduce past-due balances, and become more mindful of their energy use. It's designed to empower customers with the tools and support they need to take control of their energy journey.

Witness: Jessica R. Byrom

Date: August 26, 2025

Question:

26. How is the company ensuring that customer-owned DERs (e.g., rooftop solar, batteries, Electric Vehicles) are a central part of its infrastructure strategy?

Response:

Please see the discussion in Exhibit A-129 (MPK-19), the sections “Challenges from Customer Technology Adoption,” beginning on page 31, and “Non-Load Challenges from Customer Technology Adoption,” beginning on page 34.

Witness: Michael P. Kelly

Date: August 26, 2025

Question:

27. Please provide the marginal hourly cost per MWh per hour of the year of grid services for ratepayers, projected out for 20 years, or as far as has been forecasted.

a. Please provide the breakdown/itemization of these costs including but not limited to: energy, losses, ancillary services, capacity, transmission, distribution, and any other adders or other costs associated with the delivery of power to residential ratepayers

Response:

The Company does not have such a forecast.

Witness: Laura M. Connolly

Date: August 26, 2025

Question:

28. How does the company's internal analysis compare the cost and benefits of a VPP to a traditional company asset (e.g., a natural gas peaker plant or a substation upgrade)?

- a. Please provide examples of these comparative analyses.
- b. What assumptions underpin this analysis?

Response:

The Company has not completed cost/benefit analysis of VPPs compared to traditional company assets.

- a. N/A
- b. N/A

Witness: Alex M. Gast

Date: August 26, 2025

Question:

29. For all VPP-related research, pilots, and investments, please provide a detailed breakdown of the costs and the quantifiable avoided costs of implementation (e.g., deferred T&D investments, avoided peaker plant costs, wholesale market savings).

Response:

The Company has not completed research, pilot studies, or investments into VPPs.

Witness: Alex M. Gast

Date: August 26, 2025

Question:

30. Please provide a detailed breakdown of the company's methodology for measuring and valuing the impacts of grid services provided by distributed energy resources.

- a. How do these calculations account for the locational and temporal value of these resources?
- b. How does the company measure impacts of DERs on the grid, in particular regarding peak hours?

Response:

The Company does not currently account for the locational or temporal value of DERs, and does not currently measure impacts of DERs on the operational performance of the grid. When customers apply to interconnect DERs, the Company does perform needed interconnection studies to ensure that the DERs will not negatively impact the distribution system or impact the transmission system.

Witness: Michael P. Kelly

Date: August 26, 2025

Question:

32. How do the measured impacts from EE, DR, and DER programs impact the company's infrastructure planning?

Response:

The Company has not quantified the impacts of EE, DR, or DER programs on its distribution infrastructure planning.

Witness: Michael P. Kelly

Date: August 26, 2025

Question:

33. How do the deemed or calculated impacts from EE, DR, and DER programs impact the company's infrastructure planning?

Response:

Any potential deemed or calculated impacts of the EE, DR, and DER programs do not currently impact distribution infrastructure planning. As explained by Witness McPhail in his testimony starting on page 60, the Load Flow Tool Upgrade is required for the Company to incorporate DER into planning.

Witness: Michael P. Kelly

Date: August 26, 2025

MICHIGAN PUBLIC SERVICE COMMISSION

Consumers Energy Company
 Bridge Period LVD Project List
 For the Bridge Period 16 Months Ending April 30, 2026
 (\$000)

Case No.: U-21870
 Exhibit No.: A-166 (JMP-1)
 Page: 29 of 37
 Witness: JMPartian
 Date: June 2025

Line No.	(a) Sub-Program	(b) Project Description, Line, Substation, or Location	(c) Projected Period Spending	(d) Units	(e) Unit Type	(f) Investment Category	(g) Location	(h) Benefit Type	(i) Benefit	(ii) Current Peak Capacity (kVA)	(iii) Current Peak Demand (kVA)	(iv) Projected Peak Demand (kVA)	(v) Number of Customers
Capacity													
1	LVD Lines Capacity	DARE ALGER_FOREST LAKE LCP 098	12	1	Project	Overloaded Equipment Upgrades	DEEP RIVER TOWNSHIP	Overload Failure Reduction; Customers	43	166.88	119.6	225.288	43
2	LVD Lines Capacity	DARE ALGER_SKIDWAY LCP 981	13	1	Project	Overloaded Equipment Upgrades	CHURCHILL TOWNSHIP	Overload Failure Reduction; Customers	103	249.824	221.6	257.31872	103
3	LVD Lines Capacity	DARE ASHMAN CIRCLE SUGNET LCP 402	2	1	Project	Overloaded Equipment Upgrades	MIDLAND	Overload Failure Reduction; Customers	17	38.4	57.9	64.128	17
4	LVD Lines Capacity	DARE BACKUS-SPRINGBROOK LCP 240	30	1	Project	Overloaded Equipment Upgrades	MARKEY TOWNSHIP	Overload Failure Reduction; Customers	445	921.6	379.6	995.328	445
5	LVD Lines Capacity	DARE BACKUS-SPRINGBROOK LCP 241	2	1	Project	Overloaded Equipment Upgrades	MARKEY TOWNSHIP	Overload Failure Reduction; Customers	444	348	365.3	588.12	444
6	LVD Lines Capacity	DARE BAY ROAD_DAVIS ROAD LCP 811 ISO	6	1	Project	Overloaded Equipment Upgrades	SAGINAW	Overload Failure Reduction; Customers	36	99.936	145.9	132.91488	36
7	LVD Lines Capacity	DARE BRECKENRIDGE_WHEELER LCP 691	59	1	Project	Overloaded Equipment Upgrades	WHEELER TOWNSHIP	Overload Failure Reduction; Customers	314	307.2	237.4	460.8	314
8	LVD Lines Capacity	DARE BUTTERFIELD LINDEN LCP 704	10	1	Project	Overloaded Equipment Upgrades	BROOKS TOWNSHIP	Overload Failure Reduction; Customers	60	99.936	80.7	104.9328	60
9	LVD Lines Capacity	DARE BUTTERFIELD LINDEN LCP 723	508	1	Project	Overloaded Equipment Upgrades	BROOKS TOWNSHIP	Overload Failure Reduction; Customers	132	76.8	85.6	117.504	132
10	LVD Lines Capacity	DARE BUTTERFIELD M-82 LCP 536	22	1	Project	Overloaded Equipment Upgrades	BROOKS TOWNSHIP	Overload Failure Reduction; Customers	67	99.936	122.1	199.872	67
11	LVD Lines Capacity	DARE BUTTERFIELD M-82 LCP 641	11	1	Project	Overloaded Equipment Upgrades	BROOKS TOWNSHIP	Overload Failure Reduction; Customers	118	166.88	231.8	175.224	118
12	LVD Lines Capacity	DARE CALEDONIA 92ND ST LCP 506	18	1	Project	Overloaded Equipment Upgrades	CALEDONIA	Overload Failure Reduction; Customers	48	166.88	206	218.6128	48
13	LVD Lines Capacity	DARE CAMDEN_MONTGOMERY LCP 283	14	1	Project	Overloaded Equipment Upgrades	CAMDEN TOWNSHIP	Overload Failure Reduction; Customers	105	336	196.7	372.96	105
14	LVD Lines Capacity	DARE Camelot Lake Coleman LCP 360	20	1	Project	Overloaded Equipment Upgrades	GREENDALE TOWNSHIP	Overload Failure Reduction; Customers	171	249.824	346.3	359.74656	171
15	LVD Lines Capacity	Dare Casino/Leaton LCP 888	49	1	Project	Overloaded Equipment Upgrades	CHIPPEWA TOWNSHIP	Overload Failure Reduction; Customers	881	1392	1227.2	1990.56	881
16	LVD Lines Capacity	DARE18 EIGHT PT WHT BIRCH LCP 531	419	1	Project	Overloaded Equipment Upgrades	LAKE	Overload Failure Reduction; Customers	633	464	696	784.16	633
17	LVD Lines Capacity	DARE18 EIGHT PT WHT BIRCH LCP 531 PT 2	285	1	Project	Overloaded Equipment Upgrades	LAKE	Overload Failure Reduction; Customers	633	464	696	784.16	633
18	LVD Lines Capacity	DARE18 EIGHT PT WHT BIRCH LCP 531 PT 3	72	1	Project	Overloaded Equipment Upgrades	LAKE	Overload Failure Reduction; Customers	633	464	696	784.16	633
19	LVD Lines Capacity	DARE18 EIGHT PT WHT BIRCH LCP 531 UG	12	1	Project	Overloaded Equipment Upgrades	LAKE	Overload Failure Reduction; Customers	633	464	696	784.16	633
20	LVD Lines Capacity	DARE Crystal_Crystal Rd LCP 483_494_533	36	1	Project	Overloaded Equipment Upgrades	CRYSTAL TOWNSHIP	Overload Failure Reduction; Customers	556	672	454.5	1209.6	556
21	LVD Lines Capacity	DARE CUTLERVILLE_SPARTAN LCP 775 rm reg	23	1	Project	Overloaded Equipment Upgrades	BYRON TOWNSHIP	Overload Failure Reduction; Customers	275	2421.504	3654.7	3632.256	275
22	LVD Lines Capacity	DARE DEXTER TRAIL MILNER LCP 115	16	1	Project	Overloaded Equipment Upgrades	STOCKBRIDGE TOWNSHIP	Overload Failure Reduction; Customers	355	307.2	188.2	525.312	355
23	LVD Lines Capacity	DARE DOBSON ROAD_HALF MOON LCP 375	15	1	Project	Overloaded Equipment Upgrades	MOSCOW TOWNSHIP	Overload Failure Reduction; Customers	26	192	233.3	264.96	26
24	LVD Lines Capacity	DARE EDMORE/SIX LAKES LCP 372 PT1	200	1	Project	Overloaded Equipment Upgrades	BELVIDERE TOWNSHIP	Overload Failure Reduction; Customers	181	499.616	487.3	909.30112	181
25	LVD Lines Capacity	DARE EDMORE/SIX LAKES LCP 372 PT2	340	1	Project	Overloaded Equipment Upgrades	BELVIDERE TOWNSHIP	Overload Failure Reduction; Customers	181	499.616	487.3	909.30112	181
26	LVD Lines Capacity	DARE EDMORE/SIX LAKES LCP 372 PT3	218	1	Project	Overloaded Equipment Upgrades	BELVIDERE TOWNSHIP	Overload Failure Reduction; Customers	181	499.616	487.3	909.30112	181
27	LVD Lines Capacity	DARE EDMORE/SIX LAKES LCP 372 PT4	36	1	Project	Overloaded Equipment Upgrades	BELVIDERE TOWNSHIP	Overload Failure Reduction; Customers	181	499.616	487.3	909.30112	181
28	LVD Lines Capacity	DARE Ft Custer - Harmonia LCP 307	163	1	Project	Overloaded Equipment Upgrades	BATTLE CREEK	Overload Failure Reduction; Customers	496	576	369.4	927.36	496
29	LVD Lines Capacity	DARE GRANT MASON DRIVE LCP 235	213	1	Project	Overloaded Equipment Upgrades	GRANT	Overload Failure Reduction; Customers	186	307.2	257.8	599.04	186
30	LVD Lines Capacity	DARE GREENWOOD_INDIAN LAKE LCP 746	66	1	Project	Overloaded Equipment Upgrades	GLADWIN	Overload Failure Reduction; Customers	575	332.768	366.4	685.50208	575
31	LVD Lines Capacity	DARE GREENWOOD_INDIAN LAKE LCP 765	54	1	Project	Overloaded Equipment Upgrades	ALGER	Overload Failure Reduction; Customers	156	249.824	269.6	514.63744	156
32	LVD Lines Capacity	DARE GROVER/TRIANGLE LCP 441	78	1	Project	Overloaded Equipment Upgrades	EMERSON TOWNSHIP	Overload Failure Reduction; Customers	311	153.6	267.7	230.4	311
33	LVD Lines Capacity	DARE GUN LAKE_ENGLAND LCP 314	4	1	Project	Overloaded Equipment Upgrades	YANKEE SPRINGS TOWNSH	Overload Failure Reduction; Customers	1093	912	1380.3	1386.24	1,093
34	LVD Lines Capacity	DARE GUN LAKE_ENGLAND LCP 379	29	1	Project	Overloaded Equipment Upgrades	YANKEE SPRINGS TOWNSH	Overload Failure Reduction; Customers	58	153.6	99	233.472	58
35	LVD Lines Capacity	DARE HART DISTRIBUTION LCP 451	20	1	Project	Overloaded Equipment Upgrades	HART	Overload Failure Reduction; Customers	22	86.4	95.7	141.696	22
36	LVD Lines Capacity	DARE HART DISTRIBUTION LCP 451 - UG	7	1	Project	Overloaded Equipment Upgrades	HART	Overload Failure Reduction; Customers	22	86.4	95.7	141.696	22
37	LVD Lines Capacity	DARE Harvard Lake_Courtland LCP 411	26	1	Project	Overloaded Equipment Upgrades	COURTLAND TOWNSHIP	Overload Failure Reduction; Customers	70	153.6	261.9	293.376	70
38	LVD Lines Capacity	DARE HESPERIA RURAL LCP 325 PART 1	267	1	Project	Overloaded Equipment Upgrades	DENVER TOWNSHIP	Overload Failure Reduction; Customers	126	144	239.04	208.8	126
39	LVD Lines Capacity	DARE HESPERIA RURAL LCP 325 PART 2	158	1	Project	Overloaded Equipment Upgrades	HESPERIA	Overload Failure Reduction; Customers	126	144	239.04	208.8	126
40	LVD Lines Capacity	DARE HESPERIA RURAL LCP 325 PART 3	367	1	Project	Overloaded Equipment Upgrades	HESPERIA	Overload Failure Reduction; Customers	126	144	239.04	208.8	126
41	LVD Lines Capacity	DARE HESPERIA RURAL LCP 325 PART 4	350	1	Project	Overloaded Equipment Upgrades	HESPERIA	Overload Failure Reduction; Customers	126	144	239.04	208.8	126
42	LVD Lines Capacity	DARE HESPERIA RURAL LCP 325 PART 5	350	2	Project	Overloaded Equipment Upgrades	HESPERIA	Overload Failure Reduction; Customers	127	144	239.04	208.8	127
43	LVD Lines Capacity	DARE HESPERIA RURAL LCP 325 PART 6	333	3	Project	Overloaded Equipment Upgrades	HESPERIA	Overload Failure Reduction; Customers	128	144	239.04	208.8	128
44	LVD Lines Capacity	DARE18 HUNT ROAD_HUNT ROAD LCP 0408	510	1	Project	Overloaded Equipment Upgrades	ADRIAN TOWNSHIP	Overload Failure Reduction; Customers	147	374.4	395.5	411.84	147
43	LVD Lines Capacity	DARE ITHACA/FAIR GROUNDS LCP 313	9	1	Project	Overloaded Equipment Upgrades	EMERSON TOWNSHIP	Overload Failure Reduction; Customers	45	192	143.7	288	45
44	LVD Lines Capacity	DARE JASPER REDSTONE LCP 852	35	1	Project	Overloaded Equipment Upgrades	COE TOWNSHIP	Overload Failure Reduction; Customers	130	336	347.8	490.56	130
45	LVD Lines Capacity	DARE KALAMO HWY ADD PHASE	119	1	Project	Overloaded Equipment Upgrades	CHARLOTTE	Overload Failure Reduction; Customers	319	Sub triggered			319
46	LVD Lines Capacity	DARE KAWKAWLIN-RUSSELL LCP 433	11	1	Project	Overloaded Equipment Upgrades	KAWKAWLIN	Overload Failure Reduction; Customers	322	768	565.4	883.2	322
47	LVD Lines Capacity	DARE KIPP HULL LCP5297 250 I	20	1	Project	Overloaded Equipment Upgrades	MASON	Overload Failure Reduction; Customers	108	332.768	517.7	648.8976	108
48	LVD Lines Capacity	DARE Kolassa_Kosmerick LCP 383	16	1	Project	Overloaded Equipment Upgrades	NOBLE TOWNSHIP	Overload Failure Reduction; Customers	23	76.8	113	148.224	23
49	LVD Lines Capacity	DARE LAWRENCE CHRISTIE LAKE	38	1	Project	Overloaded Equipment Upgrades	LAWRENCE TOWNSHIP	Overload Failure Reduction; Customers	415	960	1593.6	2160	415
50	LVD Lines Capacity	DARE Levly Sturgeon LCP 295	20	1	Project	Overloaded Equipment Upgrades	EDENVILLE TOWNSHIP	Overload Failure Reduction; Customers	32	99.936	128.5	108.93024	32
LVD Lines Capacity Subtotal			5,711										

MICHIGAN PUBLIC SERVICE COMMISSION

Consumers Energy Company

Test Year LVD Project List

For the Test Year 12 Months Ending April 30, 2027

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Case No.: U-21870

Exhibit No.: A-167 (JMP-2)

Page: 25 of 28

Witness: JMPartian

Date: June 2025

Line No.	(a) Sub-Program	(b) Project Description, Line, Substation, or Location	(c) Projected Period Spending	(d) Units	(e) Unit Type	(f) Investment Category	(g) Location	(h) Benefit Type	(i) Benefit	(ii) Current Peak Capacity (kW)	(iii) Current Peak Demand (kW)	(iv) Projected Peak Demand (kW)	(v) Number of Customers
Capacity													
1	LVD Lines Capacity	DARE AGNEW_WEYBURN LCP 309	2	1	Project	Overloaded Equipment Upgrades	GRAND HAVEN	Overload Failure Reduction; Customers	20	307.2	358.7	442.368	20
2	LVD Lines Capacity	DARE AGNEW_WEYBURN LCP 207	2	1	Project	Overloaded Equipment Upgrades	GRAND HAVEN	Overload Failure Reduction; Customers	300	249.6	288.1	351.936	300
3	LVD Lines Capacity	DARE AGNEW_WEYBURN LCP 307	130	1	Project	Overloaded Equipment Upgrades	GRAND HAVEN	Overload Failure Reduction; Customers	125	1344	1773.2	1868.16	125
4	LVD Lines Capacity	DARE BAY HARBOR_DUNDEE LCP SUB UG CABLE	160	1	Project	Overloaded Equipment Upgrades	PETOSKEY	Overload Failure Reduction; Customers	448	1800	1800	1872	448
5	LVD Lines Capacity	DARE_BIG PRAIRIE_OXBOW LCP 915	50	1	Project	Overloaded Equipment Upgrades	BIG PRAIRIE	Overload Failure Reduction; Customers	334	192	328.3	303.36	334
6	LVD Lines Capacity	DARE_BIL-MAR_POLK LCP 527	518	1	Project	Overloaded Equipment Upgrades	HOLLAND	Overload Failure Reduction; Customers	135	384	459.4	533.76	135
7	LVD Lines Capacity	DARE BLACK RIVER_FILLMORE LCP 264	1	1	Project	Overloaded Equipment Upgrades	ZEELAND	Overload Failure Reduction; Customers	21	288	303.6	374.4	21
8	LVD Lines Capacity	DARE19 BLUE STAR/PIER COVE LCP 619	339	1	Project	Overloaded Equipment Upgrades	SAUGATUCK	Overload Failure Reduction; Customers	131	192	205.6	222.72	131
9	LVD Lines Capacity	DARE BLUE STAR/PIER COVE LCP 613	400	1	Project	Overloaded Equipment Upgrades	SAUGATUCK	Overload Failure Reduction; Customers	131	307.2	365.4	374.784	131
10	LVD Lines Capacity	DARE BLUE STAR_GANGES LCP 893	43	1	Project	Overloaded Equipment Upgrades	GANGES TOWNSHIP	Overload Failure Reduction; Customers	86	336	370.9	372.96	86
11	LVD Lines Capacity	DARE BRADFORD_DISTRIBUTION LCP 588	108	1	Project	Overloaded Equipment Upgrades	LEE TOWNSHIP	Overload Failure Reduction; Customers	349	50	50	66.5	349
12	LVD Lines Capacity	DARE18 ENGLISHVILLE/ENGLISHVILLE PH EXT	450	1	Project	Overloaded Equipment Upgrades	SPARTA TOWNSHIP	Overload Failure Reduction; Customers	157	307.2	258.4	414.72	157
13	LVD Lines Capacity	DARE21 Levely_Allbright LCP 250	166	1	Project	Overloaded Equipment Upgrades	BUCKEYE TOWNSHIP	Overload Failure Reduction; Customers	254	499.616	479.9	574.584	254
14	LVD Lines Capacity	DARE21 Levely_Allbright LCP 239	166	1	Project	Overloaded Equipment Upgrades	BUCKEYE TOWNSHIP	Overload Failure Reduction; Customers	54	99.936	116.5	120.92256	54
15	LVD Lines Capacity	DARE21 Levely_Allbright LCP 665	335	1	Project	Overloaded Equipment Upgrades	BUCKEYE TOWNSHIP	Overload Failure Reduction; Customers	669	499.616	464.1	649.5008	669
16	LVD Lines Capacity	DARE ONEKAMA_BEAR LAKE LCP 710	680	1	Project	Overloaded Equipment Upgrades	BEAR LAKE	Overload Failure Reduction; Customers	309	460.8	574.3	617.472	309
17	LVD Lines Capacity	DARE PORTSMOUTH/BLUMFIELD LCP 255	650	1	Project	Overloaded Equipment Upgrades	REESE TOWNSHIP	Overload Failure Reduction; Customers	386	499.616	819.4	594.54304	386
18	LVD Lines Capacity	DARE PORTSMOUTH/INDIANTOWN LCP 133	1,100	1	Project	Overloaded Equipment Upgrades	REESE TOWNSHIP	Overload Failure Reduction; Customers	315	499.616	609.3	594.54304	315
19	LVD Lines Capacity	DARE STARKS_HOMER LCP 429	371	1	Project	Overloaded Equipment Upgrades	MIDLAND TOWNSHIP	Overload Failure Reduction; Customers	342	696	745.3	1099.68	342
20	LVD Lines Capacity	KINGSLEY_WALTON LCP 690	24	1	Project	Overloaded Equipment Upgrades	PARADISE TOWNSHIP	Overload Failure Reduction; Customers	155	192	263.6	268.8	155
21	LVD Lines Capacity	KIPP ROAD_M-36 LCP 5315	30	1	Project	Overloaded Equipment Upgrades	INGHAM TOWNSHIP	Overload Failure Reduction; Customers	78	249.824	400.5	339.76064	78
22	LVD Lines Capacity	LAKE CITY_MOREY LCP 199	18	1	Project	Overloaded Equipment Upgrades	CALDWELL TOWNSHIP	Overload Failure Reduction; Customers	220	480	589.1	729.6	220
23	LVD Lines Capacity	DARE15 LOVEJOY-DEERFIELD PHI	1,220	1	Project	Overloaded Equipment Upgrades	COHOCTAH TOWNSHIP	Overload Failure Reduction; Customers	41	1152	1250	1440	41
24	LVD Lines Capacity	LYON MANOR_TOWN HALL LCP 912	38	1	Project	Overloaded Equipment Upgrades	LYON TOWNSHIP	Overload Failure Reduction; Customers	783	192	410.2	351.36	783
25	LVD Lines Capacity	LYONS_COLLINS-RURAL LCP 338	130	1	Project	Overloaded Equipment Upgrades	LYONS TOWNSHIP	Overload Failure Reduction; Customers	131	384	527	710.4	131
26	LVD Lines Capacity	DARE21 PORTAGE SHAVER ROAD 917	354	1	Project	Overloaded Equipment Upgrades	PORTAGE	Overload Failure Reduction; Customers	1328	153.6	264.3	248.832	1328
27	LVD Lines Capacity	DARE ALCONA DAM_GLENNIE 764	5	1	Project	Overloaded Equipment Upgrades	CURTIS TOWNSHIP	Overload Failure Reduction; Customers	51	166.88	82.5	175.224	51
28	LVD Lines Capacity	DARE ALCONA DAM_GLENNIE 768	18	1	Project	Overloaded Equipment Upgrades	CURTIS TOWNSHIP	Overload Failure Reduction; Customers	112	167	167	183.7	112
29	LVD Lines Capacity	DARE ALCONA DAM_GLENNIE 850	8	1	Project	Overloaded Equipment Upgrades	CURTIS TOWNSHIP	Overload Failure Reduction; Customers	184	167	167	183.7	184
30	LVD Lines Capacity	DARE ALCONA DAM_GLENNIE 909	7	1	Project	Overloaded Equipment Upgrades	CURTIS TOWNSHIP	Overload Failure Reduction; Customers	83	100	100	110	83
31	LVD Lines Capacity	DARE ALCONA DAM_GLENNIE 937	21	1	Project	Overloaded Equipment Upgrades	CURTIS TOWNSHIP	Overload Failure Reduction; Customers	106	250	250	275	106
32	LVD Lines Capacity	DARE ALDRICH-TRAVERSE LCP 242	69	1	Project	Overloaded Equipment Upgrades	FLINT	Overload Failure Reduction; Customers	720	384	1049.6	840.96	720
33	LVD Lines Capacity	DARE AU GRES_AU GRES LCP 644	30	1	Project	Overloaded Equipment Upgrades	AU GRES TOWNSHIP	Overload Failure Reduction; Customers	93	100	100	110	93
34	LVD Lines Capacity	DARE BREEDSVILLE GRAND JUNCTION LCP 960	11	1	Project	Overloaded Equipment Upgrades	COLUMBIA TOWNSHIP	Overload Failure Reduction; Customers	24	99.936	73.3	99.936	24
35	LVD Lines Capacity	DARE CASINO_LEATON LCP 466	280	1	Project	Overloaded Equipment Upgrades	CHIPPEWA TOWNSHIP	Overload Failure Reduction; Customers	161	192	167.1	332.16	161
36	LVD Lines Capacity	DARE GREENBUSH_HARRISVILLE 402	20	1	Project	Overloaded Equipment Upgrades	HARRISVILLE TOWNSHIP	Overload Failure Reduction; Customers	54	100	100	105	54
37	LVD Lines Capacity	DARE HUBBARD LAKE_HUBBARD LAKE 600	11	1	Project	Overloaded Equipment Upgrades	HAVES TOWNSHIP	Overload Failure Reduction; Customers	319	333	380	416.25	319
38	LVD Lines Capacity	DARE LITCHFIELD_ADAMS RD LCP 557	2	1	Project	Overloaded Equipment Upgrades	LITCHFIELD TOWNSHIP	Overload Failure Reduction; Customers	8	57.6	26.6	26.6	8
39	LVD Lines Capacity	DARE LITCHFIELD_QUAKER LAKE LCP 522	7	1	Project	Overloaded Equipment Upgrades	BUTLER TOWNSHIP	Overload Failure Reduction; Customers	31	115.2	175.6	184.32	31
40	LVD Lines Capacity	DARE Maple City/Cedar LCP 060	265	1	Project	Overloaded Equipment Upgrades	MAPLE CITY	Overload Failure Reduction; Customers	132	288	310.9	420.48	127
41	LVD Lines Capacity	DARE STANDISH_STANDISH LCP 332	13	1	Project	Overloaded Equipment Upgrades	DEEP RIVER TOWNSHIP	Overload Failure Reduction; Customers	127	696	368.5	368.5	132
42	LVD Lines Capacity	DARE Starks Homer LCP 643	18	1	Project	Overloaded Equipment Upgrades	HOMER TOWNSHIP	Overload Failure Reduction; Customers	65	115.2	191	185.472	65
43	LVD Lines Capacity	DARE TWELFTH STREET_WESTFIELD LCP 084	5	1	Project	Overloaded Equipment Upgrades	TEXAS TOWNSHIP	Overload Failure Reduction; Customers	480	579.6	579.6	579.6	397
44	LVD Lines Capacity	DARE17 MIDDLETON/MIDDLETON LCP 954	11	1	Project	Overloaded Equipment Upgrades	MIDDLETON	Overload Failure Reduction; Customers	215	384	455.3	568.32	215
45	LVD Lines Capacity	DARE NORTHPORT LIGHTHOUSE LCP 569	5	1	Project	Overloaded Equipment Upgrades	NORTHPORT	Overload Failure Reduction; Customers	59	115.2	107.2	162.432	59
46	LVD Lines Capacity	DARE NOBLE_WHITNEY LCP 513	98	1	Project	Overloaded Equipment Upgrades	WHITNEY TOWNSHIP	Overload Failure Reduction; Customers	419	332.768	313.2	412.63232	419
47	LVD Lines Capacity	DARE N MUSKOGON DALTON LCP 285	166	1	Project	Overloaded Equipment Upgrades	LAKETON TOWNSHIP	Overload Failure Reduction; Customers	293	576	289.9	944.64	293
48	LVD Lines Capacity	DARE MT PLEASANT/COLLEGE LCP 980	140	1	Project	Overloaded Equipment Upgrades	MOUNT PLEASANT	Overload Failure Reduction; Customers	309	384	535	508.88	309
49	LVD Lines Capacity	DARE Rodney-Rodney LCP 923	32	1	Project	Overloaded Equipment Upgrades	MECOSTA	Overload Failure Reduction; Customers	57	99.936	114.6	127.91808	57
50	LVD Lines Capacity	DARE RYNO_MORENCI LCP 358	66	1	Project	Overloaded Equipment Upgrades	MIO	Overload Failure Reduction; Customers	456	332.768	387.2	329.44032	456
51	LVD Lines Capacity	DARE Trufant_Gowen LCP 570 and 876	42	1	Project	Overloaded Equipment Upgrades	SPENCER TOWNSHIP	Overload Failure Reduction; Customers	299	115.2	14.7	220.032	299
52	LVD Lines Capacity	DARE WARNER-BURCHETT 312 ISOLATOR	140	1	Project	Overloaded Equipment Upgrades	PRAIRIEVILLE TOWNSHIP	Overload Failure Reduction; Customers	144	332.768	355.3	259.55904	144
53	LVD Lines Capacity	DARE19 SURREY SURREY LCP 708	121	1	Project	Overloaded Equipment Upgrades	FARWELL	Overload Failure Reduction; Customers	251	576	559.3	990.72	251
54	LVD Lines Capacity	DARE21 CEDAR LAKE_KINGS CORNER 702	30	1	Project	Overloaded Equipment Upgrades	OSCODA	Overload Failure Reduction; Customers	98	115.2	180.4	180.4	98
55	LVD Lines Capacity	DARE BIRCH RUN/SAGINAW ROAD LCP 515	482	1	Project	Overloaded Equipment Upgrades	BIRCH RUN TOWNSHIP	Overload Failure Reduction; Customers	274	768	757.9	867.84	274
56	LVD Lines Capacity	DARE BRIDGEPORT/DIXIE LCP 664	90	1	Project	Overloaded Equipment Upgrades	BRIDGEPORT TOWNSHIP	Overload Failure Reduction; Customers	59	192	177.9	174.72	59
57	LVD Lines Capacity	DARE Camelot Lake_Coleman LCP 513 Part 2	581	1	Project	Overloaded Equipment Upgrades	GREENDALE TOWNSHIP	Overload Failure Reduction; Customers	597	11520	12000	17971.2	597
58	LVD Lines Capacity	DARE CANNONSBURG/WEST CANNON LCP-840	470	1	Project	Overloaded Equipment Upgrades	BELMONT	Overload Failure Reduction; Customers	114	384	554.7	560.64	114
59	LVD Lines Capacity	DARE CASINO_LEATON LCP 625	20	1	Project	Overloaded Equipment Upgrades	CHIPPEWA TOWNSHIP	Overload Failure Reduction; Customers	69	192	156.6	182.4	69
60	LVD Lines Capacity	DARE CONVIS CONVIS LCP 369	9	1	Project	Overloaded Equipment Upgrades	CONVIS TOWNSHIP	Overload Failure Reduction; Customers	40	166.88	278.5	186.9056	40
61	LVD Lines Capacity Subtotal		10,779										

MICHIGAN PUBLIC SERVICE COMMISSION

Consumers Energy Company

Test Year LVD Project List

For the Test Year 12 Months Ending April 30, 2027

(\$000)

Case No.: U-21870

Exhibit No.: A-167 (JMP-2)

Page: 27 of 28

Witness: JMPartlan

Date: June 2025

Line No.	(a) Sub-Program	(b) Project Description, Line, Substation, or Location	(c) Projected Period Spending	(d) Units	(e) Unit Type	(f) Investment Category	(g) Location	(h) Benefit Type	(i) Benefit	(ii) Current Peak Capacity (kW)	(iii) Current Peak Demand (kW)	(iv) Projected Peak Demand (kW)	(v) Number of Customers
Capacity													
1	LVD Lines Capacity	ROGUE RIVER, ROGUE RIVER LCP 472	39	1	Project	Overloaded Equipment Upgrades	CITY OF ROCKFORD	Overload Failure Reduction; Customers	93	99,936	183.8	183.8	93
2	LVD Lines Capacity	ROSE CITY, ISLAND LAKE LCP 108	62	1	Project	Overloaded Equipment Upgrades	FOSTER TOWNSHIP	Overload Failure Reduction; Customers	472	336	440.6	376.32	472
3	LVD Lines Capacity	ROSEBUSH, STEVENSON LAKE LCP 881	90	1	Project	Overloaded Equipment Upgrades	ISABELLA TOWNSHIP	Overload Failure Reduction; Customers	148	369.6	452.8	452.8	148
4	LVD Lines Capacity	RUSSELLVILLE, VICTORIA LCP 268	240	1	Project	Overloaded Equipment Upgrades	RICHFIELD TOWNSHIP	Overload Failure Reduction; Customers	220	864	777	777	220
5	LVD Lines Capacity	RUSSELLVILLE, VICTORIA LCP 830	240	1	Project	Overloaded Equipment Upgrades	RICHFIELD TOWNSHIP	Overload Failure Reduction; Customers	408	1440	1440.8	1440.8	408
6	LVD Lines Capacity	SARANAC, KEENE LCP 868	240	1	Project	Overloaded Equipment Upgrades	KEENE TOWNSHIP	Overload Failure Reduction; Customers	81	720	876	1576.8	81
7	LVD Lines Capacity	SAUGATUCK, SILVER LAKE LCP 340	90	1	Project	Overloaded Equipment Upgrades	SAUGATUCK TOWNSHIP	Overload Failure Reduction; Customers	329	2324.64	1448.1	3789.1632	329
8	LVD Lines Capacity	SHERIDAN, FENWICK LCP 7007	85	1	Project	Overloaded Equipment Upgrades	BUSHNELL TOWNSHIP	Overload Failure Reduction; Customers	3	38.4	41.3	41.3	3
9	LVD Lines Capacity	SINCLAIR, SPECTRUM LCP	750	1	Project	Overloaded Equipment Upgrades	CITY OF GRAND RAPIDS	Overload Failure Reduction; Customers	13	4125	7191	7371	13
10	LVD Lines Capacity	SKYLARK, ROCKING CHAIR LCP 979	240	1	Project	Overloaded Equipment Upgrades	GRAND BLANC TOWNSHIP	Overload Failure Reduction; Customers	310	1344	1138.8	1138.8	310
11	LVD Lines Capacity	SKYLARK, SUN VALLEY LCP	700	1	Project	Overloaded Equipment Upgrades	GRAND BLANC TOWNSHIP	Overload Failure Reduction; Customers	1376	1176	1518	1556	1376
12	LVD Lines Capacity	SMALLWOOD DAM, DISTRIBUTION LCP 607	90	1	Project	Overloaded Equipment Upgrades	HAY TOWNSHIP	Overload Failure Reduction; Customers	345	696	408.6	408.6	345
13	LVD Lines Capacity	SPRUCE ROAD, BLACK RIVER LCP 187	85	1	Project	Overloaded Equipment Upgrades	HAYNES TOWNSHIP	Overload Failure Reduction; Customers	87	168	70.7	70.7	87
14	LVD Lines Capacity	ST HELEN, ARTESIA LCP 090	30	1	Project	Overloaded Equipment Upgrades	RICHFIELD TOWNSHIP	Overload Failure Reduction; Customers	851	960	755.4	755.4	851
15	LVD Lines Capacity	STANDALE, STANDALE LCP 111	85	1	Project	Overloaded Equipment Upgrades	CITY OF GRAND RAPIDS	Overload Failure Reduction; Customers	363	576	935.5	935.5	363
16	LVD Lines Capacity	STANDALE, STANDALE LCP 267	85	1	Project	Overloaded Equipment Upgrades	CITY OF GRAND RAPIDS	Overload Failure Reduction; Customers	324	288	784.7	784.7	324
17	LVD Lines Capacity	STANDALE, STANDALE LCP 356	85	1	Project	Overloaded Equipment Upgrades	CITY OF GRAND RAPIDS	Overload Failure Reduction; Customers	269	230.4	448	448	269
18	LVD Lines Capacity	STANDISH, STERLING LCP	700	1	Project	Overloaded Equipment Upgrades	CITY OF STANDISH	Overload Failure Reduction; Customers	2050	4746	4747	5600.28	2050
19	LVD Lines Capacity	STANDISH, STERLING LCP	90	1	Project	Overloaded Equipment Upgrades	CITY OF STANDISH	Overload Failure Reduction; Customers	2050	4746	4747	5600.28	2050
20	LVD Lines Capacity	STANDISH, STERLING LCP 239	240	1	Project	Overloaded Equipment Upgrades	CITY OF STANDISH	Overload Failure Reduction; Customers	25	1824	2402.1	2402.1	25
21	LVD Lines Capacity	STARKS, HOMER LCP 429	90	1	Project	Overloaded Equipment Upgrades	HOMER TOWNSHIP	Overload Failure Reduction; Customers	238	696	745.3	1099.68	238
22	LVD Lines Capacity	STARKS, LEE LCP 769	90	1	Project	Overloaded Equipment Upgrades	HOMER TOWNSHIP	Overload Failure Reduction; Customers	452	100	115	125	452
23	LVD Lines Capacity	STEVENS, HYNES LCP	750	1	Project	Overloaded Equipment Upgrades	CITY OF GRAND RAPIDS	Overload Failure Reduction; Customers	1	950	3239	3320	1
24	LVD Lines Capacity	SURREY, MAIN STREET LCP 402	130	1	Project	Overloaded Equipment Upgrades	VERNON TOWNSHIP	Overload Failure Reduction; Customers	118	249,824	474.1	594,581.12	118
25	LVD Lines Capacity	TAMARACK, AMBLE LCP 099	85	1	Project	Overloaded Equipment Upgrades	CATO TOWNSHIP	Overload Failure Reduction; Customers	83	384	443.5	537.6	83
26	LVD Lines Capacity	TAMARACK, AMBLE LCP 101	85	1	Project	Overloaded Equipment Upgrades	CATO TOWNSHIP	Overload Failure Reduction; Customers	41	249.6	254.1	254.1	41
27	LVD Lines Capacity	TAWAS, TAWAS LCP 205	210	1	Project	Overloaded Equipment Upgrades	TAWAS TOWNSHIP	Overload Failure Reduction; Customers	208	480	520	600	208
28	LVD Lines Capacity	TAWAS, TAWAS LCP 263	90	1	Project	Overloaded Equipment Upgrades	CITY OF TAWAS CITY	Overload Failure Reduction; Customers	263	696	379.9	379.9	263
29	LVD Lines Capacity	TEFT ROAD, LAKEFIELD LCP 171	90	1	Project	Overloaded Equipment Upgrades	SWAN CREEK TOWNSHIP	Overload Failure Reduction; Customers	490	167	175	192.05	490
30	LVD Lines Capacity	THORNTON, NIELSON RD LCP 7028	85	1	Project	Overloaded Equipment Upgrades	JEROME TOWNSHIP	Overload Failure Reduction; Customers	16	24	24	26.4	16
31	LVD Lines Capacity	THORNTON, WEST RIVER RD LCP 201	6	1	Project	Overloaded Equipment Upgrades	JEROME TOWNSHIP	Overload Failure Reduction; Customers	297	50	50	77	297
32	LVD Lines Capacity	THORNTON, WEST RIVER RD LCP 725	192	1	Project	Overloaded Equipment Upgrades	JEROME TOWNSHIP	Overload Failure Reduction; Customers	297	1344	878.1	878.1	297
33	LVD Lines Capacity	TRUFANT, GOWEN LCP 564	210	1	Project	Overloaded Equipment Upgrades	SPENCER TOWNSHIP	Overload Failure Reduction; Customers	165	672	606.2	606.2	165
34	LVD Lines Capacity	TRUFANT, HUNTER LAKE LCP 385	85	1	Project	Overloaded Equipment Upgrades	PINE TOWNSHIP	Overload Failure Reduction; Customers	76	192	223.4	337.92	76
35	LVD Lines Capacity	TRUFANT, HUNTER LAKE LCP 869	85	1	Project	Overloaded Equipment Upgrades	PINE TOWNSHIP	Overload Failure Reduction; Customers	239	76.8	215.4	215.4	239
36	LVD Lines Capacity	TUCKER, OAK HILL LCP	750	1	Project	Overloaded Equipment Upgrades	GROVELAND TOWNSHIP	Overload Failure Reduction; Customers	186	633	3238	3319	186
37	LVD Lines Capacity	TUCKER, OAK HILL LCP 203	85	1	Project	Overloaded Equipment Upgrades	GROVELAND TOWNSHIP	Overload Failure Reduction; Customers	187	384	841.7	841.7	187
38	LVD Lines Capacity	TUCKER, OAK HILL LCP 330	240	1	Project	Overloaded Equipment Upgrades	SPRINGFIELD TOWNSHIP	Overload Failure Reduction; Customers	723	1368	1560.5	1560.5	723
39	LVD Lines Capacity	WAMPLERS, STAGECOACH LCP 132	210	1	Project	Overloaded Equipment Upgrades	CAMBRIDGE TOWNSHIP	Overload Failure Reduction; Customers	466	672	597.8	597.8	466
40	LVD Lines Capacity	WAMPLERS, STAGECOACH LCP 173	90	1	Project	Overloaded Equipment Upgrades	CAMBRIDGE TOWNSHIP	Overload Failure Reduction; Customers	462	696	580.7	580.7	462
41	LVD Lines Capacity	DARE18 PEACH RIDGE/KENOWA CONV PT5	486	1	Project	Sub Capacity-associated Line Work	GRAND RAPIDS	Overload Failure Reduction; Customers	133	Sub triggered			133
42	LVD Lines Capacity	DARE18 PEACH RIDGE/BALLARD Conv PT3	968	1	Project	Sub Capacity-associated Line Work	GRAND RAPIDS	Overload Failure Reduction; Customers	133	Sub triggered			133
43	LVD Lines Capacity	DARE22 Tamarack-Ambles Conv phase 2-Part1	354	1	Project	Sub Capacity-associated Line Work	LAKEVIEW	Overload Failure Reduction; Customers	474	Sub triggered			474
44		LVD Lines Capacity Subtotal	9,732							#N/A	#N/A	#N/A	0
45		LVD Lines Capacity Total	54,911							#N/A	#N/A	#N/A	0

21870-GLREA-CE-0274
 Attachment 1

Substation Name	Year	Sa. Outages	Sb. Hours Without Power	Sc. Customers Without Power	5d. Outage Causes
MT PLEASANT	2020	61	3,632	1,396	Trees (20),Planned/Scheduled (12),Equipment Failure (12),No Specific Cause Found (4),Forced Outage/Emergency (4),Animal (3),Trees - Outside ROW (2),Unique Incident (2),Weather (1),Public Damage (1)
MT PLEASANT	2021	63	4,964	1,990	Trees (28),Equipment Failure (19),Planned/Scheduled (8),Animal (3),Unique Incident (2),Lightning (2),Forced Outage/Emergency (1),Car/Pole Accident (1),Trees - Outside ROW (1)
MT PLEASANT	2022	40	2,261	1,033	Trees (17),Equipment Failure (13),Animal (3),No Specific Cause Found (2),Unique Incident (2),Lightning (1),Forced Outage/Emergency (1),Trees - Outside ROW (1)
MT PLEASANT	2023	32	2,613	1,172	Trees (13),Equipment Failure (11),No Specific Cause Found (3),Public Damage (1),Bird (1),Animal (1),Unique Incident (1),Trees - Outside ROW (1)
MT PLEASANT	2024	29	1,063	458	Trees (10),Equipment Failure (7),Animal (6),Lightning (2),Trees - Outside ROW (1),No Specific Cause Found (1),Bird (1),Unique Incident (1)
WEST RIVER	2020	30	2,970	1,178	Animal (9),Equipment Failure (7),Trees (5),Planned/Scheduled (4),Weather (2),Public Damage (2),No Specific Cause Found (1)
WEST RIVER	2021	33	5,472	1,677	Equipment Failure (12),Trees (6),Animal (4),No Specific Cause Found (3),Bird (1),Unique Incident (1),Forced Outage/Emergency (1),Public Damage (1),Planned/Scheduled (1),Public Tree Trimming (1),Weather (1),Trees - Outside ROW (1)
WEST RIVER	2022	17	1,889	1,142	Trees (5),Animal (3),Equipment Failure (3),Public Damage (2),Weather (1),No Specific Cause Found (1),Unique Incident (1),Bird (1)
WEST RIVER	2023	60	21,914	4,163	Trees (17),Weather (11),No Specific Cause Found (10),Animal (6),Car/Pole Accident (5),Equipment Failure (4),Unique Incident (3),Forced Outage/Emergency (2),Trees - Outside ROW (2)
WEST RIVER	2024	25	1,166	454	Animal (7),Trees (7),Equipment Failure (4),Lightning (4),Weather (2),Unique Incident (1)
COLEMAN	2020	75	7,305	3,991	Trees (28),Equipment Failure (18),Trees - Outside ROW (5),Planned/Scheduled (1),Lightning (5),Forced Outage/Emergency (4),Weather (3),No Specific Cause Found (3),Bird (1),Public Tree Trimming (1),Animal (1),Unique Incident (1)
COLEMAN	2021	77	5,992	1,593	Trees (20),Equipment Failure (14),Weather (11),Planned/Scheduled (9),No Specific Cause Found (8),Unique Incident (4),Car/Pole Accident (3),Public Damage (3),Trees - Outside ROW (2),Forced Outage/Emergency (1),Animal (1),Bird (1)
COLEMAN	2022	57	1,201	473	Equipment Failure (14),Lightning (10),Trees (9),No Specific Cause Found (7),Trees - Outside ROW (4),Weather (4),Animal (2),Unique Incident (2),Forced Outage/Emergency (2),Public Damage (2),Bird (1)
COLEMAN	2023	51	9,160	3,722	Trees (23),No Specific Cause Found (7),Unique Incident (5),Trees - Outside ROW (5),Equipment Failure (5),Weather (3),Animal (1),Lightning (1),Forced Outage/Emergency (1)
COLEMAN	2024	82	4,188	2,170	Trees (27),Equipment Failure (16),Trees - Outside ROW (9),Unique Incident (8),No Specific Cause Found (7),Weather (5),Animal (3),Lightning (3),Bird (2),Forced Outage/Emergency (2)
SHEPHERD	2020	64	1,919	724	Planned/Scheduled (21),Equipment Failure (17),Trees (14),Forced Outage/Emergency (4),Weather (4),Animal (2),Unique Incident (1),Lightning (1)
SHEPHERD	2021	59	11,915	2,670	Trees (24),Equipment Failure (13),Animal (6),Weather (4),Forced Outage/Emergency (3),No Specific Cause Found (3),Lightning (2),Trees - Outside ROW (1),Unique Incident (1),Bird (1),Planned/Scheduled (1)
SHEPHERD	2022	34	879	352	Equipment Failure (11),Trees (9),Weather (4),Animal (3),Bird (2),No Specific Cause Found (2),Forced Outage/Emergency (2),Lightning (1)
SHEPHERD	2023	34	1,067	542	Equipment Failure (13),Animal (6),Trees (5),No Specific Cause Found (5),Lightning (2),Unique Incident (1),Weather (1),Bird (1)
SHEPHERD	2024	27	418	226	Equipment Failure (15),Animal (3),Trees - Outside ROW (2),Forced Outage/Emergency (2),Trees (2),No Specific Cause Found (1),Weather (1),Unique Incident (1)
MUSKEGON HEIGHTS	2020	71	4,322	2,277	Animal (20),Car/Pole Accident (11),Equipment Failure (10),Trees (9),Planned/Scheduled (7),Trees - Outside ROW (3),Weather (3),No Specific Cause Found (3),Public Damage (2),Forced Outage/Emergency (1),Unique Incident (1),Lightning (1)
MUSKEGON HEIGHTS	2021	106	6,261	2,246	Planned/Scheduled (40),Animal (18),Trees (14),Equipment Failure (9),Weather (4),Trees - Outside ROW (4),Unique Incident (4),No Specific Cause Found (4),Car/Pole Accident (3),Forced Outage/Emergency (3),Lightning (2),Public Damage (1)
MUSKEGON HEIGHTS	2022	74	2,139	1,095	Animal (24),Equipment Failure (15),Trees (13),No Specific Cause Found (9),Trees - Outside ROW (6),Weather (4),Public Damage (2),Forced Outage/Emergency (1)
MUSKEGON HEIGHTS	2023	76	3,003	1,660	Animal (23),No Specific Cause Found (13),Equipment Failure (12),Trees (7),Trees - Outside ROW (5),Forced Outage/Emergency (5),Weather (4),Bird (3),Unique Incident (3),Car/Pole Accident (1)
MUSKEGON HEIGHTS	2024	74	16,933	8,464	No Specific Cause Found (21),Animal (15),Trees (14),Weather (7),Equipment Failure (5),Public Damage (3),Forced Outage/Emergency (3),Unique Incident (2),Bird (2),Trees - Outside ROW (2)
NEW HAVEN	2020	57	4,688	1,166	Equipment Failure (16),Unique Incident (9),Weather (8),Trees (5),No Specific Cause Found (4),Animal (4),Car/Pole Accident (3),Bird (2),Planned/Scheduled (2),Lightning (2),Public Tree Trimming (1),Public Damage (1)
NEW HAVEN	2021	29	3,514	811	Equipment Failure (8),Trees (5),Unique Incident (3),Animal (4),Planned/Scheduled (3),Weather (1),Public Damage (1),Forced Outage/Emergency (1),Lightning (1)
NEW HAVEN	2022	30	1,913	516	Unique Incident (9),Equipment Failure (8),Weather (4),Trees (2),No Specific Cause Found (2),Lightning (2),Public Damage (2),Animal (1)
NEW HAVEN	2023	27	2,303	768	Equipment Failure (12),Trees (7),No Specific Cause Found (2),Unique Incident (2),Lightning (1),Public Damage (1),Car/Pole Accident (1),Weather (1)
NEW HAVEN	2024	22	292	156	Equipment Failure (9),Unique Incident (6),No Specific Cause Found (5),Trees (2),Car/Pole Accident (1),Animal (1),Weather (1)
LYONS	2020	44	2,825	933	Trees (19),No Specific Cause Found (6),Equipment Failure (6),Planned/Scheduled (4),Trees - Outside ROW (3),Animal (2),Bird (1),Lightning (1)
LYONS	2021	52	13,793	3,143	Trees (29),Equipment Failure (7),Planned/Scheduled (6),No Specific Cause Found (4),Animal (3),Weather (1),Transmission/Generation (1),Forced Outage/Emergency (1)
LYONS	2022	45	2,390	824	Trees (11),No Specific Cause Found (9),Equipment Failure (9),Animal (6),Trees - Outside ROW (3),Unique Incident (3),Lightning (2),Weather (2)
LYONS	2023	40	6,169	1,389	Trees (17),No Specific Cause Found (9),Equipment Failure (6),Animal (3),Lightning (2),Trees - Outside ROW (1),Weather (1),Forced Outage/Emergency (1)
LYONS	2024	37	2,247	551	No Specific Cause Found (12),Unique Incident (7),Equipment Failure (6),Animal (4),Trees (2),Trees - Outside ROW (2),Weather (1),Public Tree Trimming (1),Lightning (1),Bird (1)
BELLA VISTA	2020	23	1,207	630	Trees (7),Planned/Scheduled (5),Equipment Failure (4),No Specific Cause Found (1),Animal (1),Bird (1),Unique Incident (1),Public Damage (1),Trees - Outside ROW (1),Car/Pole Accident (1)
BELLA VISTA	2021	17	3,773	1,713	Equipment Failure (5),Trees (4),Trees - Outside ROW (3),Weather (2),No Specific Cause Found (1),Car/Pole Accident (1),Animal (1)
BELLA VISTA	2022	19	1,269	228	Trees (8),Equipment Failure (6),No Specific Cause Found (1),Public Damage (1),Unique Incident (1),Trees - Outside ROW (1),Car/Pole Accident (1)
BELLA VISTA	2023	27	4,461	638	Trees (9),Equipment Failure (7),Weather (6),Animal (4),Trees - Outside ROW (1)
BELLA VISTA	2024	21	1,286	352	Trees (11),Animal (3),Weather (2),No Specific Cause Found (2),Unique Incident (1),Trees - Outside ROW (1),Equipment Failure (1)
CENTREVILLE	2020	115	11,378	4,774	Trees (26),Animal (22),No Specific Cause Found (19),Equipment Failure (18),Weather (8),Trees - Outside ROW (6),Planned/Scheduled (6),Lightning (6),Public Tree Trimming (1),Forced Outage/Emergency (1),Unique Incident (1),Public Damage (1)
CENTREVILLE	2021	291	54,016	12,090	Trees (103),Weather (45),Equipment Failure (42),Trees - Outside ROW (30),No Specific Cause Found (22),Planned/Scheduled (12),Animal (12),Lightning (8),Public Damage (4),Bird (4),Forced Outage/Emergency (4),Unique Incident (4),Car/Pole Accident (1)
CENTREVILLE	2022	162	37,767	5,248	Trees (34),No Specific Cause Found (28),Equipment Failure (26),Weather (22),Trees - Outside ROW (16),Animal (14),Lightning (11),Bird (5),Unique Incident (5)
CENTREVILLE	2023	123	5,355	2,591	No Specific Cause Found (31),Equipment Failure (21),Trees (19),Lightning (15),Animal (14),Unique Incident (7),Weather (6),Public Damage (2),Forced Outage/Emergency (2),Bird (1)
CENTREVILLE	2024	131	5,509	2,251	No Specific Cause Found (36),Trees (22),Animal (17),Equipment Failure (17),Weather (17),Trees - Outside ROW (7),Lightning (4),Bird (4),Unique Incident (3),Forced Outage/Emergency (2),Public Damage (2)
CERESCO	2020	32	613	378	Trees (15),Weather (7),Equipment Failure (4),Trees - Outside ROW (3),No Specific Cause Found (2),Car/Pole Accident (1)
CERESCO	2021	23	1,953	669	Trees (14),Equipment Failure (5),No Specific Cause Found (1),Unique Incident (1),Animal (1),Trees - Outside ROW (1)
CERESCO	2022	14	3,535	459	Trees (8),Equipment Failure (3),Unique Incident (1),Public Tree Trimming (1),Animal (1)
CERESCO	2023	7	1,135	66	Trees (5),Equipment Failure (1),Animal (1)
CERESCO	2024	24	973	611	Trees (8),Trees - Outside ROW (5),Animal (2),Lightning (2),Weather (2),Equipment Failure (2),Public Damage (1),Unique Incident (1),Car/Pole Accident (1)
ROBERTS STREET	2020	66	12,447	6,080	Trees (18),Planned/Scheduled (17),Equipment Failure (13),Weather (4),Unique Incident (4),Forced Outage/Emergency (4),Lightning (2),No Specific Cause Found (1),Public Tree Trimming (1),Car/Pole Accident (1),Public Damage (1)
ROBERTS STREET	2021	54	7,251	2,848	Planned/Scheduled (18),Trees (15),Equipment Failure (7),Unique Incident (4),No Specific Cause Found (3),Animal (2),Weather (1),Public Damage (1),Forced Outage/Emergency (1),Trees - Outside ROW (1),Car/Pole Accident (1)
ROBERTS STREET	2022	54	7,193	2,934	Equipment Failure (12),Trees (11),Car/Pole Accident (10),No Specific Cause Found (7),Unique Incident (6),Weather (4),Trees - Outside ROW (2),Animal (2)
ROBERTS STREET	2023	37	4,023	1,216	Trees (10),Weather (9),Equipment Failure (8),No Specific Cause Found (5),Unique Incident (3),Forced Outage/Emergency (2)
ROBERTS STREET	2024	56	3,584	955	Trees (14),Weather (9),Equipment Failure (9),Unique Incident (5),No Specific Cause Found (5),Forced Outage/Emergency (4),Car/Pole Accident (4),Animal (3),Trees - Outside ROW (2),Lightning (1)
GREENWOOD	2020	104	23,748	5,628	Trees (46),Equipment Failure (20),Weather (12),No Specific Cause Found (11),Forced Outage/Emergency (3),Car/Pole Accident (3),Planned/Scheduled (2),Animal (2),Trees - Outside ROW (2),Lightning (2),Unique Incident (1)
GREENWOOD	2021	92	41,956	8,412	Trees (34),Equipment Failure (26),Weather (10),No Specific Cause Found (8),Trees - Outside ROW (1),Animal (3),Planned/Scheduled (2),Transmission/Generation (2),Public Damage (1),Bird (1)
GREENWOOD	2022	123	5,355	10,899	Trees (33),Equipment Failure (21),Trees (19),Lightning (15),Animal (14),Unique Incident (7),Weather (6),Public Damage (2),Forced Outage/Emergency (2),Car/Pole Accident (1),Lightning (1)
GREENWOOD	2023	61	11,934	2,675	Equipment Failure (22),Trees (22),No Specific Cause Found (7),Animal (2),Bird (2),Weather (2),Lightning (2),Unique Incident (1),Forced Outage/Emergency (1)
GREENWOOD	2024	122	16,241	7,258	Trees (84),Equipment Failure (14),Weather (11),No Specific Cause Found (7),Lightning (7),Unique Incident (5),Trees - Outside ROW (5),Forced Outage/Emergency (4),Animal (2),Car/Pole Accident (2),Bird (1)
BLINTON	2020	54	2,237	1,002	Animal (12),Trees (12),Equipment Failure (10),Planned/Scheduled (9),No Specific Cause Found (4),Forced Outage/Emergency (3),Unique Incident (2),Weather (2)
BLINTON	2021	67	69,029	6,456	Trees (26),Equipment Failure (10),Animal (8),Weather (6),Planned/Scheduled (5),No Specific Cause Found (5),Unique Incident (3),Bird (2),Forced Outage/Emergency (1),Lightning (1)
BLINTON	2022	57	8,954	2,621	Trees (14),Equipment Failure (13),Animal (8),No Specific Cause Found (7),Unique Incident (5),Forced Outage/Emergency (4),Weather (4),Public Damage (1),Lightning (1)
BLINTON	2023	56	18,972	6,713	Animal (15),Equipment Failure (14),Trees (11),No Specific Cause Found (5),Bird (5),Weather (2),Forced Outage/Emergency (2),Car/Pole Accident (1),Public Damage (1)
BLINTON	2024	63	11,559	3,483	Trees (17),Equipment Failure (12),No Specific Cause Found (9),Animal (8),Forced Outage/Emergency (4),Weather (4),Bird (3),Public Damage (2),Car/Pole Accident (2),Unique Incident (1),Lightning (1)
BEAVERTON	2020	79	6,341	3,483	Trees (21),Equipment Failure (21),Planned/Scheduled (12),Forced Outage/Emergency (6),No Specific Cause Found (5),Animal (4),Trees - Outside ROW (3),Unique Incident (3),Lightning (1),Weather (1),Public Damage (1),Bird (1)
BEAVERTON	2021	88	10,150	2,508	Trees (29),Equipment Failure (16),Planned/Scheduled (7),Forced Outage/Emergency (7),Unique Incident (6),No Specific Cause Found (6),Weather (5),Public Damage (4),Animal (3),Lightning (2),Trees - Outside ROW (2),Car/Pole Accident (1)
BEAVERTON	2022	68	7,321	3,504	Trees (23),Equipment Failure (15),Weather (9),No Specific Cause Found (9),Unique Incident (9),Trees - Outside ROW (9),Animal (2),Public Damage (1),Car/Pole Accident (1)
BEAVERTON	2023	43	2,719	1,441	Trees (17),Equipment Failure (8),No Specific Cause Found (7),Trees - Outside ROW (6),Weather (4),Unique Incident (1)
BEAVERTON	2024	61	7,378	2,011	Trees (26),Equipment Failure (7),Weather (7),No Specific Cause Found (5),Unique Incident (4),Forced Outage/Emergency (4),Trees - Outside ROW (3),Lightning (2),Animal (2),Public Damage (1)
SUTTONS BAY	2020	31	3,267	615	Equipment Failure (8),Lightning (7),Planned/Scheduled (5),Trees (4),Weather (2),No Specific Cause Found (2),Car/Pole Accident (1),Trees - Outside ROW (1),Animal (1)
SUTTONS BAY	2021	23	4,392	774	Equipment Failure (7),Trees (5),Forced Outage/Emergency (3),Animal (2),No Specific Cause Found (2),Trees - Outside ROW (2),Planned/Scheduled (1),Car/Pole Accident (1)
SUTTONS BAY	2022	21	632	174	Animal (7),Trees (5),Equipment Failure (4),Trees - Outside ROW (2),No Specific Cause Found (2),Forced Outage/Emergency (1)
SUTTONS BAY	2023	11	3,355	1,204	Equipment Failure (5),Trees (2),Car/Pole Accident (1),Forced Outage/Emergency (1),Public Damage (1),Unique Incident (1)
SUTTONS BAY	2024	12	299	73	Trees (5),No Specific Cause Found (4),Equipment Failure (2),Animal (1)
ST JOHNS	2020	34	7,243	5,110	Trees (11),Planned/Scheduled (10),Equipment Failure (6),No Specific Cause Found (3),Transmission/Generation (2),Animal (1),Lightning (1)
ST JOHNS	2021	30	6,481	3,200	Trees (12),Equipment Failure (6),Planned/Scheduled (6),No Specific Cause Found (2),Public Damage (1),Car/Pole Accident (1),Animal (1),Lightning (1)
ST JOHNS	2022	22	5,770	3,469	Equipment Failure (8),Trees (6),No Specific Cause Found (4),Animal (2),Weather (1),Unique Incident (1)
ST JOHNS	2023	24	1,341	180	Trees (14),Equipment Failure (3),No Specific Cause Found (2),Weather (2),Forced Outage/Emergency (1),Animal (1),Public Tree Trimming (1)

ST JOHNS	2024	24	679	299	Trees (13),Weather (3),Equipment Failure (3),Animal (2),Forced Outage/Emergency (1),Unique Incident (1),No Specific Cause Found (1)
MANISTEE	2020	85	3,887	1,129	Planned/Scheduled (57),Equipment Failure (12),Unique Incident (5),Trees (5),Public Damage (2),Lightning (1),Animal (1),Weather (1),Forced Outage/Emergency (1)
MANISTEE	2021	40	9,954	2,280	Trees (12),Equipment Failure (6),Planned/Scheduled (7),No Specific Cause Found (4),Animal (3),Trees - Outside ROW (2),Weather (2),Forced Outage/Emergency (1),Lightning (1)
MANISTEE	2022	38	1,542	299	Equipment Failure (14),Weather (10),Animal (4),Trees (4),No Specific Cause Found (3),Car/Pole Accident (2),Trees - Outside ROW (1)
MANISTEE	2023	28	1,266	1,025	Equipment Failure (10),Trees (6),Weather (4),Animal (3),Unique Incident (2),Forced Outage/Emergency (1),No Specific Cause Found (1),Car/Pole Accident (1)
MANISTEE	2024	17	4,260	730	Trees (8),Equipment Failure (3),Unique Incident (2),Animal (2),Forced Outage/Emergency (1),No Specific Cause Found (1)
COOKE DAM	2020	29	900	475	Planned/Scheduled (10),Trees - Outside ROW (5),Trees (4),Forced Outage/Emergency (3),Equipment Failure (3),No Specific Cause Found (2),Weather (2)
COOKE DAM	2021	30	1,807	418	Trees (12),Trees - Outside ROW (5),Planned/Scheduled (4),No Specific Cause Found (4),Equipment Failure (3),Weather (1),Unique Incident (1)
COOKE DAM	2022	51	7,158	719	Equipment Failure (19),Trees (15),Unique Incident (6),Weather (5),No Specific Cause Found (3),Trees - Outside ROW (2),Lightning (1)
COOKE DAM	2023	11	1,858	571	Trees (3),Unique Incident (3),Weather (2),Trees - Outside ROW (1),Equipment Failure (1),No Specific Cause Found (1)
COOKE DAM	2024	22	2,898	244	Trees (7),Weather (5),Trees - Outside ROW (3),Unique Incident (3),Equipment Failure (2),Animal (1),Lightning (1)
SOUTH WASHINGTON	2020	34	708	253	Trees (10),Planned/Scheduled (5),Equipment Failure (4),Weather (4),Trees - Outside ROW (3),Forced Outage/Emergency (3),Animal (2),Bird (1),Public Damage (1),No Specific Cause Found (1)
SOUTH WASHINGTON	2021	73	8,145	2,119	Planned/Scheduled (28),Trees (19),Equipment Failure (9),Forced Outage/Emergency (5),Unique Incident (5),Weather (2),Car/Pole Accident (2),No Specific Cause Found (2),Animal (1)
SOUTH WASHINGTON	2022	18	1,024	264	Trees (6),Equipment Failure (3),No Specific Cause Found (2),Forced Outage/Emergency (2),Trees - Outside ROW (2),Animal (1),Unique Incident (1),Weather (1)
SOUTH WASHINGTON	2023	23	1,429	225	Trees (9),Equipment Failure (3),Weather (3),Forced Outage/Emergency (3),No Specific Cause Found (2),Unique Incident (1),Animal (1),Trees - Outside ROW (1)
SOUTH WASHINGTON	2024	19	1,020	378	Trees (7),No Specific Cause Found (4),Weather (2),Public Damage (2),Car/Pole Accident (1),Trees - Outside ROW (1),Equipment Failure (1),Unique Incident (1)
FIVE CHANNELS HYDRO	2020	9	1,692	494	Planned/Scheduled (4),Trees (3),Animal (1),Trees - Outside ROW (1)
FIVE CHANNELS HYDRO	2021	11	2,731	314	Trees (9),Weather (1),Forced Outage/Emergency (1)
FIVE CHANNELS HYDRO	2022	22	1,974	508	Equipment Failure (7),Trees (6),Trees - Outside ROW (3),Animal (3),Weather (1),Car/Pole Accident (1),Forced Outage/Emergency (1)
FIVE CHANNELS HYDRO	2023	5	401	201	Trees (4),Trees - Outside ROW (1)
FIVE CHANNELS HYDRO	2024	17	604	371	Unique Incident (5),Trees (4),Equipment Failure (4),Trees - Outside ROW (2),Weather (1),No Specific Cause Found (1)
LOGISTIC	2020	68	5,222	2,110	Trees (21),Animal (14),Equipment Failure (10),No Specific Cause Found (9),Trees - Outside ROW (3),Bird (3),Car/Pole Accident (2),Public Damage (2),Planned/Scheduled (2),Lightning (1),Unique Incident (1)
LOGISTIC	2021	36	4,003	1,709	Trees (8),Animal (7),Equipment Failure (6),No Specific Cause Found (5),Lightning (3),Public Damage (3),Planned/Scheduled (2),Trees - Outside ROW (1),Weather (1)
LOGISTIC	2022	28	1,531	528	Animal (9),Equipment Failure (6),No Specific Cause Found (5),Weather (4),Trees (3),Trees - Outside ROW (1)
LOGISTIC	2023	50	2,218	1,119	Equipment Failure (13),Animal (11),Trees (8),No Specific Cause Found (6),Unique Incident (5),Lightning (2),Weather (1),Forced Outage/Emergency (1),Car/Pole Accident (1),Bird (1),Public Damage (1)
LOGISTIC	2024	42	3,521	1,390	Animal (11),Trees (10),No Specific Cause Found (6),Equipment Failure (5),Weather (3),Trees - Outside ROW (3),Public Damage (2),Car/Pole Accident (1),Bird (1)
CADILLAC	2020	122	40,100	8,350	Planned/Scheduled (49),Equipment Failure (35),Trees (16),Animal (4),No Specific Cause Found (4),Forced Outage/Emergency (4),Unique Incident (3),Weather (3),Transmission/Generation (2),Car/Pole Accident (1),Trees - Outside ROW (1)
CADILLAC	2021	42	4,339	956	Equipment Failure (11),Trees (6),Unique Incident (5),Planned/Scheduled (5),Forced Outage/Emergency (4),Animal (4),Car/Pole Accident (3),Lightning (2),Trees - Outside ROW (1),Weather (1)
CADILLAC	2022	38	4,861	2,145	Equipment Failure (13),Trees (10),Car/Pole Accident (4),No Specific Cause Found (3),Trees - Outside ROW (3),Animal (2),Unique Incident (2),Forced Outage/Emergency (1)
CADILLAC	2023	44	1,755	640	Equipment Failure (18),No Specific Cause Found (5),Trees (5),Weather (5),Trees - Outside ROW (4),Unique Incident (4),Animal (2),Lightning (1)
CADILLAC	2024	36	1,137	354	Trees (12),Unique Incident (6),Equipment Failure (5),No Specific Cause Found (4),Trees - Outside ROW (2),Animal (2),Public Damage (2),Bird (1),Weather (1),Forced Outage/Emergency (1)
BOHMAN	2020	52	6,478	1,239	Planned/Scheduled (12),Equipment Failure (12),Trees (11),No Specific Cause Found (5),Weather (4),Forced Outage/Emergency (3),Animal (3),Unique Incident (1),Trees - Outside ROW (1)
BOHMAN	2021	64	5,029	1,234	Trees (26),Forced Outage/Emergency (10),Weather (9),Equipment Failure (8),Planned/Scheduled (4),No Specific Cause Found (2),Unique Incident (2),Car/Pole Accident (2),Lightning (1)
BOHMAN	2022	53	4,549	1,002	No Specific Cause Found (28),Equipment Failure (6),Car/Pole Accident (5),Unique Incident (4),Trees (3),Weather (2),Animal (2),Forced Outage/Emergency (2),Public Damage (1)
BOHMAN	2023	42	4,258	840	Trees (12),Equipment Failure (10),No Specific Cause Found (6),Weather (6),Unique Incident (3),Forced Outage/Emergency (3),Animal (2),Car/Pole Accident (1),Trees - Outside ROW (1)
BOHMAN	2024	47	13,007	2,536	Trees (11),Equipment Failure (8),Weather (7),No Specific Cause Found (6),Animal (4),Forced Outage/Emergency (4),Unique Incident (3),Lightning (2),Trees - Outside ROW (1),Public Damage (1)
HOLLY	2020	37	3,926	1,568	Planned/Scheduled (9),Trees (9),Forced Outage/Emergency (7),Equipment Failure (4),Animal (2),No Specific Cause Found (2),Weather (2),Car/Pole Accident (1),Unique Incident (1)
HOLLY	2021	59	17,190	5,395	Trees (15),Planned/Scheduled (13),Equipment Failure (11),No Specific Cause Found (6),Lightning (5),Weather (5),Unique Incident (3),Forced Outage/Emergency (1)
HOLLY	2022	22	842	166	Equipment Failure (9),Trees (4),Car/Pole Accident (2),Animal (2),Forced Outage/Emergency (2),Unique Incident (1),No Specific Cause Found (1),Weather (1)
HOLLY	2023	33	2,846	1,159	Trees (17),Weather (6),Equipment Failure (5),No Specific Cause Found (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Animal (1)
HOLLY	2024	25	1,369	440	Forced Outage/Emergency (9),Trees (8),Weather (3),No Specific Cause Found (2),Bird (1),Equipment Failure (1),Public Tree Trimming (1)
MAUMEE	2020	57	16,621	8,607	No Specific Cause Found (17),Equipment Failure (12),Planned/Scheduled (11),Animal (6),Forced Outage/Emergency (3),Trees - Outside ROW (2),Unique Incident (2),Lightning (1),Trees (1),Weather (1),Transmission/Generation (1)
MAUMEE	2021	66	6,633	3,644	No Specific Cause Found (14),Equipment Failure (13),Planned/Scheduled (10),Trees (8),Animal (7),Unique Incident (5),Forced Outage/Emergency (3),Weather (3),Car/Pole Accident (2),Trees - Outside ROW (1)
MAUMEE	2022	55	5,044	3,078	Animal (21),Equipment Failure (11),No Specific Cause Found (9),Weather (6),Trees (4),Lightning (2),Unique Incident (2)
MAUMEE	2023	65	5,708	3,011	No Specific Cause Found (17),Equipment Failure (13),Weather (10),Animal (9),Unique Incident (7),Trees (6),Car/Pole Accident (2),Trees - Outside ROW (1)
MAUMEE	2024	51	1,762	1,389	Animal (26),Equipment Failure (9),No Specific Cause Found (8),Forced Outage/Emergency (5),Unique Incident (1),Trees - Outside ROW (1),Trees (1)
TAWAS	2020	77	6,048	1,961	Trees (37),Planned/Scheduled (10),Forced Outage/Emergency (8),Trees - Outside ROW (7),Equipment Failure (7),Weather (5),No Specific Cause Found (2),Unique Incident (1)
TAWAS	2021	54	28,030	4,728	Trees (20),Equipment Failure (11),Planned/Scheduled (6),Animal (4),No Specific Cause Found (4),Unique Incident (3),Forced Outage/Emergency (2),Trees - Outside ROW (2),Public Tree Trimming (1),Weather (1)
TAWAS	2022	31	1,320	603	Trees (9),Unique Incident (7),Equipment Failure (6),Weather (5),Trees - Outside ROW (2),Car/Pole Accident (1),No Specific Cause Found (1)
TAWAS	2023	28	3,968	1,115	Unique Incident (7),Trees - Outside ROW (6),Equipment Failure (6),Trees (4),No Specific Cause Found (2),Forced Outage/Emergency (2),Weather (1)
TAWAS	2024	32	3,022	552	Equipment Failure (9),Unique Incident (8),No Specific Cause Found (3),Trees (3),Weather (3),Trees - Outside ROW (2),Animal (2),Car/Pole Accident (2)
FOOTE HYDRO	2020	10	433	59	Trees (5),Planned/Scheduled (3),Trees - Outside ROW (2)
FOOTE HYDRO	2021	9	439	213	Trees (5),Trees - Outside ROW (1),Car/Pole Accident (1),No Specific Cause Found (1),Equipment Failure (1)
FOOTE HYDRO	2022	6	1,924	358	Trees (2),Trees - Outside ROW (2),Weather (1),Equipment Failure (1)
FOOTE HYDRO	2024	9	576	171	Unique Incident (6),Trees (2),Equipment Failure (1)
LARKIN	2020	75	25,894	6,358	Equipment Failure (22),Planned/Scheduled (16),Trees (12),Forced Outage/Emergency (11),Unique Incident (5),Weather (4),Trees - Outside ROW (3),No Specific Cause Found (2)
LARKIN	2021	84	8,172	3,708	Trees (27),Planned/Scheduled (22),Equipment Failure (15),Unique Incident (5),Forced Outage/Emergency (5),Weather (4),Trees - Outside ROW (3),No Specific Cause Found (3)
LARKIN	2022	80	37,139	13,387	Trees (24),Equipment Failure (17),Weather (12),Forced Outage/Emergency (10),Unique Incident (5),Transmission/Generation (5),No Specific Cause Found (3),Trees - Outside ROW (2),Public Tree Trimming (1),Animal (1)
LARKIN	2023	42	15,477	8,033	Trees (13),Animal (9),Equipment Failure (8),Unique Incident (6),No Specific Cause Found (4),Trees - Outside ROW (1),Weather (1)
LARKIN	2024	51	13,627	4,040	Trees (13),Weather (11),No Specific Cause Found (10),Equipment Failure (8),Forced Outage/Emergency (5),Animal (3),Unique Incident (1)
BULLOCK	2020	86	12,436	5,135	Trees (22),Planned/Scheduled (15),Equipment Failure (12),Trees - Outside ROW (9),No Specific Cause Found (7),Weather (5),Unique Incident (4),Animal (3),Forced Outage/Emergency (3),Transmission/Generation (3),Bird (1),Car/Pole Accident (1),Public Damage (1)
BULLOCK	2021	107	5,031	1,310	Trees (20),Planned/Scheduled (11),Equipment Failure (10),Forced Outage/Emergency (10),Weather (5),Public Damage (2),No Specific Cause Found (2),Unique Incident (1),Lightning (1)
BULLOCK	2022	56	3,267	761	Trees (26),Equipment Failure (14),Weather (4),No Specific Cause Found (3),Unique Incident (2),Forced Outage/Emergency (7),Bird (2),Lightning (1),Animal (1),Trees - Outside ROW (1)
BULLOCK	2023	51	42,401	5,214	Trees (19),Equipment Failure (14),Unique Incident (4),No Specific Cause Found (3),Trees - Outside ROW (3),Weather (3),Car/Pole Accident (2),Bird (1),Animal (1),Lightning (1)
BULLOCK	2024	67	4,196	1,189	Trees (22),Equipment Failure (12),Weather (8),No Specific Cause Found (7),Trees - Outside ROW (4),Bird (3),Unique Incident (3),Animal (3),Forced Outage/Emergency (2),Lightning (2),Car/Pole Accident (1)
SPRING DRIVE	2020	136	8,913	4,125	Trees (55),Equipment Failure (21),No Specific Cause Found (15),Animal (15),Trees - Outside ROW (9),Weather (7),Public Damage (6),Unique Incident (2),Lightning (2),Public Tree Trimming (1),Planned/Scheduled (1),Forced Outage/Emergency (1)
SPRING DRIVE	2021	105	6,915	2,745	Trees (44),Equipment Failure (26),Animal (13),Weather (7),Trees - Outside ROW (5),No Specific Cause Found (5),Planned/Scheduled (3),Lightning (1),Bird (1)
SPRING DRIVE	2022	111	8,410	3,307	Trees (29),Equipment Failure (22),Weather (14),Trees - Outside ROW (12),Animal (10),No Specific Cause Found (9),Lightning (5),Car/Pole Accident (4),Forced Outage/Emergency (3),Unique Incident (1),Public Damage (1),Public Tree Trimming (1)
SPRING DRIVE	2023	103	8,330	2,430	Trees (43),No Specific Cause Found (18),Equipment Failure (14),Weather (8),Animal (7),Trees - Outside ROW (6),Lightning (3),Unique Incident (2),Car/Pole Accident (1),Public Damage (1)
SPRING DRIVE	2024	124	8,562	3,461	Trees (67),Equipment Failure (15),Animal (14),No Specific Cause Found (9),Trees - Outside ROW (7),Lightning (4),Unique Incident (3),Weather (3),Forced Outage/Emergency (1),Public Damage (1)
PARMA	2020	45	3,302	743	Trees (19),Equipment Failure (12),No Specific Cause Found (5),Weather (4),Car/Pole Accident (3),Planned/Scheduled (1),Trees - Outside ROW (1)
PARMA	2021	90	7,561	2,711	Trees (30),Equipment Failure (18),Planned/Scheduled (16),Weather (7),No Specific Cause Found (7),Car/Pole Accident (3),Trees - Outside ROW (2),Public Damage (2),Animal (1),Lightning (1),Unique Incident (1),Forced Outage/Emergency (1),Public Tree Trimming (1)
PARMA	2022	53	5,745	1,856	Trees (14),Weather (11),No Specific Cause Found (10),Equipment Failure (9),Unique Incident (4),Animal (3),Trees - Outside ROW (2)
PARMA	2023	30	1,223	1,090	Equipment Failure (9),Trees (7),Weather (6),No Specific Cause Found (6),Public Damage (1),Animal (1)
PARMA	2024	46	7,845	3,201	Trees (13),Equipment Failure (8),Weather (6),No Specific Cause Found (6),Car/Pole Accident (5),Animal (3),Forced Outage/Emergency (2),Unique Incident (1),Lightning (1),Public Damage (1)
STANLEY	2020	72	5,486	1,904	Trees (26),Planned/Scheduled (12),Equipment Failure (12),Forced Outage/Emergency (10),Weather (5),Public Damage (2),No Specific Cause Found (2),Unique Incident (1),Bird (1),Lightning (1)
STANLEY	2021	103	18,865	4,631	Trees (25),Equipment Failure (17),Planned/Scheduled (15),Weather (13),Unique Incident (9),Car/Pole Accident (7),Forced Outage/Emergency (5),Animal (1),No Specific Cause Found (1),Trees - Outside ROW (1)
STANLEY	2022	76	7,031	5,349	Trees (23),Equipment Failure (20),Forced Outage/Emergency (9),Weather (7),Car/Pole Accident (5),Unique Incident (4),No Specific Cause Found (4),Trees - Outside ROW (2),Animal (1),Public Damage (1)
STANLEY	2023	58	10,627	4,247	Trees (25),Equipment Failure (10),Unique Incident (7),Weather (6),No Specific Cause Found (4),Public Damage (2),Forced Outage/Emergency (2),Car/Pole Accident (1),Animal (1)
STANLEY	2024	58	8,668	3,230	Trees (18),Equipment Failure (11),Forced Outage/Emergency (10),No Specific Cause Found (5),Weather (3),Public Tree Trimming (3),Unique Incident (2),Car/Pole Accident (2),Public Damage (2),Bird (1),Animal (1)
AUBURN	2020	49	1,711	587	Planned/Scheduled (15),Trees (10),Equipment Failure (9),Forced Outage/Emergency (4),Lightning (3),Animal (2),Unique Incident (2),No Specific Cause Found (1),Trees - Outside ROW (1),Weather (1),Bird (1)
AUBURN	2021	69	10,012	3,378	Planned/Scheduled (33),Equipment Failure (15),Forced Outage/Emergency (7),Weather (5),Trees (3),No Specific Cause Found (2),Unique Incident (1),Public Damage (1),Trees - Outside ROW (1),Animal (1)
AUBURN	2022	37	3,291	1,219	Equipment Failure (12),Trees (11),Weather (5),Unique Incident (3),Animal (2),Forced Outage/Emergency (1),No Specific Cause Found (1),Bird (1),Car/Pole Accident (1)

AUBURN	2023	29	7,926	1,846	Equipment Failure (11), Forced Outage/Emergency (7), Trees (3), No Specific Cause Found (2), Animal (2), Car/Pole Accident (1), Unique Incident (1), Lightning (1), Weather (1)
AUBURN	2024	22	738	351	Equipment Failure (7), Animal (5), Trees (3), Unique Incident (2), Bird (2), No Specific Cause Found (2), Forced Outage/Emergency (1)
FENTON	2020	29	5,859	1,644	Equipment Failure (11), Trees (7), Animal (3), Weather (2), No Specific Cause Found (2), Planned/Scheduled (2), Forced Outage/Emergency (1), Bird (1)
FENTON	2021	73	35,350	8,760	Trees (24), Equipment Failure (13), Weather (12), Forced Outage/Emergency (6), Unique Incident (4), Car/Pole Accident (3), Animal (3), Planned/Scheduled (3), Trees - Outside ROW (2), Transmission/Generation (1), No Specific Cause Found (1), Bird (1)
FENTON	2022	32	1,443	581	Equipment Failure (9), Trees (8), Forced Outage/Emergency (5), No Specific Cause Found (5), Animal (2), Weather (1), Public Tree Trimming (1), Unique Incident (1)
FENTON	2023	32	2,723	675	Trees (14), Equipment Failure (8), No Specific Cause Found (3), Forced Outage/Emergency (2), Animal (2), Unique Incident (1), Car/Pole Accident (1), Public Damage (1)
FENTON	2024	33	2,532	785	Trees (16), No Specific Cause Found (4), Equipment Failure (4), Animal (2), Weather (2), Forced Outage/Emergency (2), Trees - Outside ROW (2), Lightning (1)
CLIO	2020	58	7,587	2,781	Trees (26), Equipment Failure (16), Weather (10), Animal (3), Unique Incident (3), Planned/Scheduled (3), Forced Outage/Emergency (1), No Specific Cause Found (1), Car/Pole Accident (1)
CLIO	2021	70	4,976	1,237	Trees (26), Weather (12), Equipment Failure (12), Planned/Scheduled (9), Unique Incident (2), Car/Pole Accident (2), Animal (2), Bird (1), Lightning (1), Forced Outage/Emergency (1), Public Tree Trimming (1), No Specific Cause Found (1)
CLIO	2022	48	6,437	1,500	Equipment Failure (14), Trees (13), Forced Outage/Emergency (11), Car/Pole Accident (4), Weather (3), Public Damage (1), Bird (1), No Specific Cause Found (1)
CLIO	2023	31	1,405	382	Equipment Failure (9), Trees (8), No Specific Cause Found (6), Forced Outage/Emergency (3), Animal (2), Bird (2), Weather (1)
CLIO	2024	26	3,216	950	Trees (11), Equipment Failure (7), No Specific Cause Found (3), Forced Outage/Emergency (3), Public Damage (1), Unique Incident (1)
BIRCH RUN	2020	24	1,468	624	Equipment Failure (7), Animal (5), Trees (3), No Specific Cause Found (3), Planned/Scheduled (2), Weather (2), Car/Pole Accident (1), Unique Incident (1)
BIRCH RUN	2021	36	1,695	602	Planned/Scheduled (13), Trees (9), Equipment Failure (5), Weather (4), Trees - Outside ROW (1), Bird (1), Animal (1), No Specific Cause Found (1), Forced Outage/Emergency (1)
BIRCH RUN	2022	17	847	207	Weather (6), No Specific Cause Found (4), Trees (3), Equipment Failure (1), Animal (1), Trees - Outside ROW (1), Unique Incident (1)
BIRCH RUN	2023	11	128	49	Equipment Failure (4), No Specific Cause Found (3), Bird (1), Unique Incident (1), Forced Outage/Emergency (1), Lightning (1)
BIRCH RUN	2024	12	555	134	Trees (8), Equipment Failure (2), No Specific Cause Found (1), Animal (1)
SAGINAW STREET	2020	12	1,563	284	Unique Incident (6), Planned/Scheduled (2), Equipment Failure (1), Public Damage (1), No Specific Cause Found (1), Forced Outage/Emergency (1)
SAGINAW STREET	2021	5	2,307	188	Unique Incident (2), Weather (1), Forced Outage/Emergency (1), Equipment Failure (1)
SAGINAW STREET	2022	2	162	76	Equipment Failure (1), Unique Incident (1)
SAGINAW STREET	2024	5	2,128	563	Animal (4), Equipment Failure (1)
GRAND BLANC	2020	44	5,282	3,130	Equipment Failure (19), Planned/Scheduled (7), Trees (7), Forced Outage/Emergency (4), No Specific Cause Found (2), Weather (2), Public Damage (1), Trees - Outside ROW (1), Car/Pole Accident (1)
GRAND BLANC	2021	41	18,698	1,483	Planned/Scheduled (18), Trees (8), Weather (3), Equipment Failure (3), Forced Outage/Emergency (2), Unique Incident (2), No Specific Cause Found (1), Transmission/Generation (1), Car/Pole Accident (1), Animal (1), Public Damage (1)
GRAND BLANC	2022	22	5,963	1,539	Trees (5), Equipment Failure (4), Weather (3), Animal (3), Unique Incident (2), No Specific Cause Found (2), Lightning (1), Forced Outage/Emergency (1), Bird (1)
GRAND BLANC	2023	13	2,203	869	Equipment Failure (2), Weather (2), Trees (2), No Specific Cause Found (2), Public Damage (1), Forced Outage/Emergency (1), Trees - Outside ROW (1), Unique Incident (1), Public Tree Trimming (1)
GRAND BLANC	2024	26	3,198	396	Equipment Failure (10), Trees (7), Weather (5), No Specific Cause Found (2), Bird (1), Unique Incident (1)
BEECHER	2020	40	5,749	2,800	No Specific Cause Found (15), Planned/Scheduled (7), Trees (6), Animal (5), Equipment Failure (5), Trees - Outside ROW (2)
BEECHER	2021	36	434	342	Planned/Scheduled (12), Animal (8), No Specific Cause Found (5), Equipment Failure (4), Public Damage (2), Trees (2), Weather (1), Unique Incident (1), Trees - Outside ROW (1)
BEECHER	2022	57	4,832	3,906	No Specific Cause Found (14), Animal (11), Equipment Failure (7), Trees (6), Unique Incident (6), Weather (5), Car/Pole Accident (5), Forced Outage/Emergency (2), Trees - Outside ROW (1)
BEECHER	2023	49	10,875	3,689	Weather (14), Animal (8), Equipment Failure (7), No Specific Cause Found (7), Trees (6), Forced Outage/Emergency (2), Unique Incident (2), Public Damage (1), Car/Pole Accident (1), Trees - Outside ROW (1)
BEECHER	2024	40	782	555	Animal (18), No Specific Cause Found (9), Equipment Failure (4), Trees (3), Weather (2), Trees - Outside ROW (2), Forced Outage/Emergency (1), Unique Incident (1)
BAVARIAN	2020	10	315	257	Equipment Failure (6), Trees (2), Weather (1), Bird (1)
BAVARIAN	2021	6	2,406	386	Equipment Failure (4), Trees (1), Planned/Scheduled (1)
BAVARIAN	2022	9	2,415	1,034	Weather (3), Equipment Failure (2), Trees (2), No Specific Cause Found (1), Forced Outage/Emergency (1)
BAVARIAN	2023	6	69	12	Trees (2), Animal (2), Equipment Failure (1), Public Damage (1)
BAVARIAN	2024	15	213	81	Equipment Failure (4), Trees (3), Animal (2), Weather (2), Public Damage (2), Unique Incident (1), Lightning (1)
LABARGE	2020	26	1,427	1,599	Trees (5), No Specific Cause Found (5), Equipment Failure (4), Public Damage (3), Trees - Outside ROW (3), Animal (2), Forced Outage/Emergency (2), Planned/Scheduled (1), Weather (1)
LABARGE	2021	49	2,260	1,802	Trees (12), Equipment Failure (11), Trees - Outside ROW (7), No Specific Cause Found (6), Animal (3), Lightning (3), Forced Outage/Emergency (2), Weather (2), Car/Pole Accident (1), Planned/Scheduled (1), Public Damage (1)
LABARGE	2022	45	3,267	1,519	Trees - Outside ROW (13), Trees (10), Equipment Failure (8), No Specific Cause Found (4), Weather (3), Public Damage (2), Lightning (2), Animal (2), Car/Pole Accident (1)
LABARGE	2023	44	7,219	2,574	Trees (15), Equipment Failure (10), Animal (6), Trees - Outside ROW (6), Lightning (3), No Specific Cause Found (2), Weather (1), Unique Incident (1)
LABARGE	2024	32	1,946	775	Animal (8), Equipment Failure (6), Trees - Outside ROW (5), Weather (3), Trees (3), Unique Incident (2), No Specific Cause Found (2), Forced Outage/Emergency (1), Car/Pole Accident (1), Lightning (1)
OWOSSO	2020	73	22,184	2,440	Planned/Scheduled (29), Equipment Failure (18), Trees (7), Animal (6), Weather (5), No Specific Cause Found (4), Forced Outage/Emergency (2), Unique Incident (1), Car/Pole Accident (1)
OWOSSO	2021	45	1,433	894	Equipment Failure (10), Unique Incident (10), Trees (9), Planned/Scheduled (8), Animal (3), Forced Outage/Emergency (2), Weather (2), Trees - Outside ROW (1)
OWOSSO	2022	31	5,859	1,573	Equipment Failure (12), Unique Incident (8), No Specific Cause Found (4), Trees (3), Animal (1), Weather (1), Car/Pole Accident (1), Forced Outage/Emergency (1)
OWOSSO	2023	38	2,012	578	Equipment Failure (10), Weather (8), Unique Incident (7), Trees (7), Animal (3), No Specific Cause Found (2), Forced Outage/Emergency (1)
OWOSSO	2024	45	12,838	5,541	Equipment Failure (11), Unique Incident (10), No Specific Cause Found (6), Weather (6), Trees (5), Forced Outage/Emergency (4), Trees - Outside ROW (3)
HOMESTEAD	2020	62	5,755	1,494	Trees (27), Equipment Failure (14), Planned/Scheduled (13), No Specific Cause Found (11), Animal (9), Trees - Outside ROW (3), Weather (2), Public Damage (1), Bird (1), Car/Pole Accident (1)
HOMESTEAD	2021	116	11,221	7,451	Trees (40), Equipment Failure (24), No Specific Cause Found (14), Animal (13), Planned/Scheduled (9), Forced Outage/Emergency (5), Weather (4), Trees - Outside ROW (3), Public Damage (3), Lightning (3), Bird (1)
HOMESTEAD	2022	90	18,631	5,358	Trees (27), Animal (15), Equipment Failure (12), Trees - Outside ROW (11), Weather (9), No Specific Cause Found (8), Forced Outage/Emergency (2), Lightning (2), Public Damage (2), Car/Pole Accident (1), Unique Incident (1)
HOMESTEAD	2023	51	4,524	2,130	Trees (12), No Specific Cause Found (11), Animal (9), Weather (6), Trees - Outside ROW (6), Car/Pole Accident (3), Equipment Failure (2), Public Damage (1), Unique Incident (1)
HOMESTEAD	2024	76	9,560	2,383	Trees (27), Equipment Failure (15), No Specific Cause Found (10), Trees - Outside ROW (6), Animal (6), Weather (3), Unique Incident (3), Lightning (2), Public Tree Trimming (1), Car/Pole Accident (1), Bird (1), Forced Outage/Emergency (1)
ERIE	2020	28	8,330	1,064	Animal (10), Equipment Failure (8), Lightning (4), No Specific Cause Found (2), Bird (1), Trees - Outside ROW (1), Trees (1), Planned/Scheduled (1)
ERIE	2021	34	318	134	Animal (9), Trees (6), Equipment Failure (5), No Specific Cause Found (4), Weather (3), Car/Pole Accident (2), Planned/Scheduled (2), Lightning (1), Trees - Outside ROW (1), Unique Incident (1)
ERIE	2022	59	2,340	1,760	Animal (28), No Specific Cause Found (9), Equipment Failure (9), Weather (8), Trees (2), Public Damage (1), Car/Pole Accident (1), Unique Incident (1)
ERIE	2023	56	5,106	1,087	Animal (16), Weather (11), Equipment Failure (8), No Specific Cause Found (5), Trees (5), Bird (2), Car/Pole Accident (2), Forced Outage/Emergency (2), Unique Incident (2), Lightning (2), Public Damage (1)
ERIE	2024	53	1,608	768	Animal (22), No Specific Cause Found (16), Weather (5), Public Damage (4), Equipment Failure (2), Unique Incident (2), Forced Outage/Emergency (1), Trees (1)
MILTON	2020	53	4,588	1,734	Equipment Failure (13), Trees (10), Animal (9), Planned/Scheduled (9), No Specific Cause Found (4), Lightning (2), Transmission/Generation (2), Public Tree Trimming (1), Weather (1), Bird (1), Trees - Outside ROW (1)
MILTON	2021	33	871	393	Trees (10), Equipment Failure (7), Animal (6), Unique Incident (2), No Specific Cause Found (2), Weather (2), Trees - Outside ROW (2), Lightning (1), Planned/Scheduled (1)
MILTON	2022	44	3,734	2,259	Trees (18), Equipment Failure (9), No Specific Cause Found (8), Weather (2), Unique Incident (2), Animal (2), Lightning (1), Trees - Outside ROW (1), Bird (1)
MILTON	2023	39	4,164	1,473	Trees (9), Equipment Failure (8), Animal (7), No Specific Cause Found (6), Trees - Outside ROW (5), Forced Outage/Emergency (2), Weather (1), Bird (1)
MILTON	2024	61	2,783	1,850	Equipment Failure (16), Trees (14), Animal (13), No Specific Cause Found (8), Trees - Outside ROW (3), Bird (2), Unique Incident (2), Forced Outage/Emergency (1), Public Tree Trimming (1), Car/Pole Accident (1)
HUDSON	2020	61	2,218	2,535	Lightning (12), No Specific Cause Found (11), Planned/Scheduled (11), Equipment Failure (5), Trees - Outside ROW (1), Forced Outage/Emergency (1), Animal (1)
HUDSON	2021	67	31,539	4,190	Trees (26), No Specific Cause Found (10), Equipment Failure (8), Weather (6), Planned/Scheduled (5), Animal (4), Forced Outage/Emergency (3), Unique Incident (3), Bird (1), Trees - Outside ROW (1)
HUDSON	2022	37	1,101	420	Equipment Failure (10), No Specific Cause Found (8), Weather (6), Trees (5), Animal (2), Lightning (2), Unique Incident (2), Forced Outage/Emergency (1), Bird (1)
HUDSON	2023	33	1,811	622	No Specific Cause Found (9), Trees (8), Equipment Failure (6), Weather (4), Trees - Outside ROW (2), Unique Incident (2), Public Damage (1), Car/Pole Accident (1)
HUDSON	2024	22	2,238	760	No Specific Cause Found (11), Equipment Failure (4), Trees (2), Unique Incident (1), Bird (1), Weather (1), Forced Outage/Emergency (1), Trees - Outside ROW (1)
ALCONA DAM	2020	153	21,005	5,080	Trees (78), Weather (16), Equipment Failure (16), Trees - Outside ROW (14), Forced Outage/Emergency (7), Planned/Scheduled (7), No Specific Cause Found (7), Animal (4), Unique Incident (3), Bird (1)
ALCONA DAM	2021	90	22,153	3,572	Trees (41), Equipment Failure (16), Trees - Outside ROW (9), Weather (5), No Specific Cause Found (5), Animal (4), Lightning (3), Bird (3), Unique Incident (2), Car/Pole Accident (1), Planned/Scheduled (1)
ALCONA DAM	2022	107	26,641	3,855	Trees (26), Trees - Outside ROW (21), Weather (20), Equipment Failure (17), Unique Incident (10), No Specific Cause Found (9), Public Damage (2), Forced Outage/Emergency (2)
ALCONA DAM	2023	66	21,861	5,672	Trees (17), Trees - Outside ROW (12), Unique Incident (12), Equipment Failure (11), No Specific Cause Found (6), Weather (4), Lightning (3), Forced Outage/Emergency (1)
ALCONA DAM	2024	110	21,397	6,177	Trees (33), Equipment Failure (22), Weather (16), Unique Incident (13), Trees - Outside ROW (12), No Specific Cause Found (11), Forced Outage/Emergency (2), Animal (1)
AUGUSTA	2020	28	516	264	Equipment Failure (8), Trees (7), Animal (4), Weather (3), No Specific Cause Found (2), Unique Incident (1), Planned/Scheduled (1), Forced Outage/Emergency (1), Bird (1)
AUGUSTA	2021	48	3,075	1,517	Trees (13), Trees - Outside ROW (11), Equipment Failure (7), No Specific Cause Found (5), Weather (3), Unique Incident (2), Forced Outage/Emergency (2), Lightning (2), Planned/Scheduled (2), Public Damage (1)
AUGUSTA	2022	46	5,391	2,835	Trees (19), No Specific Cause Found (10), Car/Pole Accident (5), Bird (3), Public Damage (2), Equipment Failure (2), Animal (2), Weather (2), Unique Incident (1)
AUGUSTA	2023	43	2,859	869	Trees (21), Equipment Failure (7), No Specific Cause Found (4), Trees - Outside ROW (3), Unique Incident (3), Animal (2), Weather (2), Bird (1)
AUGUSTA	2024	52	2,393	736	Trees (13), Equipment Failure (7), Unique Incident (4), No Specific Cause Found (3), Weather (2), Animal (1), Public Tree Trimming (1), Trees - Outside ROW (1)
ELM STREET	2020	124	12,197	5,002	Trees (42), Weather (32), Equipment Failure (16), Planned/Scheduled (14), Car/Pole Accident (5), Forced Outage/Emergency (4), No Specific Cause Found (4), Trees - Outside ROW (3), Animal (2), Transmission/Generation (1), Bird (1)
ELM STREET	2021	94	11,147	7,913	Equipment Failure (27), Trees (19), Planned/Scheduled (12), Car/Pole Accident (10), Weather (7), Trees - Outside ROW (7), Unique Incident (3), Animal (3), Public Tree Trimming (2), No Specific Cause Found (2), Public Damage (1), Forced Outage/Emergency (1)
ELM STREET	2022	65	27,603	9,612	Equipment Failure (20), Trees (10), Car/Pole Accident (9), Weather (7), Trees - Outside ROW (6), No Specific Cause Found (4), Lightning (3), Unique Incident (3), Animal (1), Forced Outage/Emergency (1), Public Damage (1)
ELM STREET	2023	66	28,946	12,666	Equipment Failure (18), Weather (12), Trees (9), Trees - Outside ROW (7), Car/Pole Accident (6), Animal (5), No Specific Cause Found (5), Forced Outage/Emergency (2), Unique Incident (1), Public Damage (1)
ELM STREET	2024	75	8,168	4,022	Trees (19), Equipment Failure (12), Forced Outage/Emergency (9), Weather (8), Car/Pole Accident (6), No Specific Cause Found (6), Animal (5), Trees - Outside ROW (4), Unique Incident (4), Public Damage (1), Lightning (1)
QUINCY	2020	96	20,799	7,710	Equipment Failure (27), Trees (22), No Specific Cause Found (9), Trees - Outside ROW (8), Planned/Scheduled (7), Unique Incident (6), Weather (5), Car/Pole Accident (4), Lightning (4), Forced Outage/Emergency (3), Animal (1)
QUINCY	2021	139	158,938	6,269	Trees (49), Weather (26), Equipment Failure (18), No Specific Cause Found (13), Trees - Outside ROW (9), Planned/Scheduled (8), Forced Outage/Emergency (6), Unique Incident (5), Animal (2), Public Damage (2), Bird (1)

QUINCY	2022	77	9,219	1,987	Trees (19),Weather (14),Equipment Failure (12),No Specific Cause Found (10),Car/Pole Accident (6),Trees - Outside ROW (5),Lightning (4),Animal (3),Unique Incident (2),Forced Outage/Emergency (2)
QUINCY	2023	64	98,035	5,425	Equipment Failure (22),Weather (12),Trees (9),No Specific Cause Found (9),Car/Pole Accident (4),Lightning (3),Trees - Outside ROW (2),Unique Incident (2),Animal (1)
QUINCY	2024	67	6,129	2,604	Trees (21),No Specific Cause Found (13),Equipment Failure (12),Unique Incident (8),Forced Outage/Emergency (4),Animal (3),Weather (3),Trees - Outside ROW (2),Bird (1)
CHARLOTTE	2020	69	26,632	7,935	Equipment Failure (16),Trees (16),Planned/Scheduled (14),No Specific Cause Found (6),Forced Outage/Emergency (4),Car/Pole Accident (3),Transmission/Generation (3),Public Damage (2),Animal (2),Unique Incident (2),Weather (1)
CHARLOTTE	2021	52	12,812	2,192	Equipment Failure (20),Trees (8),Planned/Scheduled (6),No Specific Cause Found (5),Car/Pole Accident (3),Lightning (3),Trees - Outside ROW (2),Animal (2),Weather (2),Unique Incident (2),Forced Outage/Emergency (1)
CHARLOTTE	2022	35	1,844	499	Equipment Failure (20),Trees (8),Transmission/Generation (2),Car/Pole Accident (2),Weather (2),Bird (1)
CHARLOTTE	2023	30	1,591	532	Equipment Failure (13),Trees (4),Animal (4),No Specific Cause Found (4),Car/Pole Accident (2),Lightning (1),Public Damage (1),Public Tree Trimming (1)
CHARLOTTE	2024	30	6,700	1,734	Equipment Failure (9),Trees (7),Weather (5),No Specific Cause Found (4),Forced Outage/Emergency (2),Animal (1),Lightning (1),Unique Incident (1),Public Damage (1)
ESSEXVILLE	2020	25	1,209	476	Equipment Failure (10),Trees (9),Planned/Scheduled (2),Forced Outage/Emergency (1),No Specific Cause Found (1),Animal (1),Public Damage (1)
ESSEXVILLE	2021	45	4,291	1,217	Unique Incident (8),Weather (7),Planned/Scheduled (7),Animal (6),Trees (6),Equipment Failure (5),Trees - Outside ROW (2),Forced Outage/Emergency (2),Car/Pole Accident (1),No Specific Cause Found (1)
ESSEXVILLE	2022	30	1,333	1,875	Trees (7),Equipment Failure (6),No Specific Cause Found (5),Car/Pole Accident (4),Animal (3),Forced Outage/Emergency (3),Weather (2)
ESSEXVILLE	2023	26	1,800	725	Equipment Failure (9),No Specific Cause Found (6),Unique Incident (6),Trees (3),Animal (2)
ESSEXVILLE	2024	16	408	183	Equipment Failure (5),Trees (3),Unique Incident (3),Animal (2),No Specific Cause Found (2),Forced Outage/Emergency (1)
CHESANING	2020	68	2,632	1,399	Planned/Scheduled (23),Trees (10),Equipment Failure (10),Unique Incident (6),Weather (4),No Specific Cause Found (4),Forced Outage/Emergency (3),Animal (2),Trees - Outside ROW (2),Lightning (1),Car/Pole Accident (1),Public Damage (1),Transmission/Generation (1)
CHESANING	2021	75	1,966	1,269	Planned/Scheduled (24),Equipment Failure (16),Trees (12),Weather (8),No Specific Cause Found (6),Unique Incident (3),Animal (3),Lightning (2),Forced Outage/Emergency (1)
CHESANING	2022	49	6,823	2,466	Equipment Failure (15),Trees (11),No Specific Cause Found (5),Unique Incident (4),Weather (4),Forced Outage/Emergency (4),Animal (3),Trees - Outside ROW (1),Bird (1),Public Damage (1)
CHESANING	2023	38	1,172	496	Equipment Failure (14),Trees (10),No Specific Cause Found (3),Unique Incident (2),Animal (2),Trees - Outside ROW (2),Weather (2),Car/Pole Accident (1),Bird (1),Forced Outage/Emergency (1)
CHESANING	2024	45	9,169	2,033	Trees (15),No Specific Cause Found (9),Equipment Failure (8),Unique Incident (4),Forced Outage/Emergency (3),Animal (2),Weather (2),Public Damage (1),Trees - Outside ROW (1)
PORTER	2020	23	1,259	371	Equipment Failure (6),Weather (3),Bird (3),No Specific Cause Found (3),Planned/Scheduled (2),Trees - Outside ROW (2),Trees (1),Car/Pole Accident (1),Public Damage (1),Forced Outage/Emergency (1)
PORTER	2021	35	3,607	932	Trees (11),Equipment Failure (6),Unique Incident (5),Weather (4),Car/Pole Accident (3),Forced Outage/Emergency (2),No Specific Cause Found (2),Planned/Scheduled (1),Animal (1)
PORTER	2022	38	6,338	2,847	Equipment Failure (9),Weather (7),Trees (4),Forced Outage/Emergency (3),Trees - Outside ROW (1),Animal (1),No Specific Cause Found (1),Unique Incident (1),Public Tree Trimming (1)
PORTER	2023	17	7,063	1,949	Equipment Failure (4),Trees (4),Forced Outage/Emergency (3),Unique Incident (2),Weather (1),Animal (1),Trees - Outside ROW (1),No Specific Cause Found (1)
PORTER	2024	21	759	293	Trees (6),Forced Outage/Emergency (5),Unique Incident (4),Equipment Failure (3),No Specific Cause Found (1),Trees - Outside ROW (1),Animal (1)
FREELAND	2020	70	2,877	1,891	Equipment Failure (22),Forced Outage/Emergency (10),Planned/Scheduled (9),Animal (8),Trees (6),Weather (5),No Specific Cause Found (3),Public Damage (3),Unique Incident (2),Bird (1),Trees - Outside ROW (1)
FREELAND	2021	42	4,054	1,665	Trees (11),Planned/Scheduled (10),Unique Incident (4),Weather (4),Equipment Failure (3),No Specific Cause Found (2),Animal (2),Forced Outage/Emergency (2),Trees - Outside ROW (1),Lightning (1),Public Damage (1),Bird (1)
FREELAND	2022	35	8,513	2,143	Trees (11),Equipment Failure (10),No Specific Cause Found (7),Trees - Outside ROW (3),Unique Incident (2),Animal (1),Weather (1)
FREELAND	2023	40	21,922	4,033	Equipment Failure (13),No Specific Cause Found (7),Trees (6),Animal (4),Public Damage (2),Trees - Outside ROW (2),Unique Incident (2),Weather (1),Bird (1),Forced Outage/Emergency (1),Car/Pole Accident (1)
FREELAND	2024	37	7,612	2,383	Trees (12),Unique Incident (6),No Specific Cause Found (5),Bird (4),Equipment Failure (3),Animal (3),Weather (2),Trees - Outside ROW (1),Lightning (1)
WEALTHY STREET	2020	96	24,522	10,627	Animal (49),Trees (15),Equipment Failure (7),Public Damage (6),Unique Incident (6),Planned/Scheduled (4),No Specific Cause Found (4),Forced Outage/Emergency (2),Bird (1),Weather (1),Trees - Outside ROW (1)
WEALTHY STREET	2021	72	6,771	3,177	Animal (25),Equipment Failure (11),No Specific Cause Found (11),Planned/Scheduled (8),Trees (6),Bird (3),Unique Incident (3),Public Damage (2),Car/Pole Accident (2),Trees - Outside ROW (1)
WEALTHY STREET	2022	113	22,921	8,855	Animal (42),Trees (19),Equipment Failure (15),No Specific Cause Found (11),Weather (7),Public Damage (6),Bird (4),Forced Outage/Emergency (3),Unique Incident (2),Trees - Outside ROW (2),Car/Pole Accident (2)
WEALTHY STREET	2023	82	5,790	2,330	Animal (37),Equipment Failure (12),No Specific Cause Found (10),Trees (7),Forced Outage/Emergency (4),Lightning (3),Unique Incident (2),Weather (2),Car/Pole Accident (2),Bird (1),Trees - Outside ROW (1),Public Damage (1)
WEALTHY STREET	2024	86	19,176	8,579	Animal (21),Trees (14),Equipment Failure (11),No Specific Cause Found (9),Forced Outage/Emergency (8),Weather (8),Unique Incident (4),Bird (4),Transmission/Generation (2),Car/Pole Accident (2),Public Damage (1),Trees - Outside ROW (1),Lightning (1)
FREMONT	2020	59	9,977	1,257	Equipment Failure (19),Trees (16),Planned/Scheduled (12),No Specific Cause Found (5),Forced Outage/Emergency (2),Weather (2),Trees - Outside ROW (1),Animal (1),Unique Incident (1)
FREMONT	2021	48	6,638	1,178	Trees (14),Equipment Failure (13),Planned/Scheduled (4),Trees - Outside ROW (4),Animal (4),Lightning (2),No Specific Cause Found (3),Trees - Outside ROW (2),Public Damage (1),Car/Pole Accident (1),Unique Incident (1)
FREMONT	2022	82	2,561	623	Forced Outage/Emergency (22),Trees (21),Equipment Failure (15),No Specific Cause Found (6),Animal (4),Weather (4),Weather (3),Trees - Outside ROW (3),Lightning (3),Bird (1)
FREMONT	2023	46	2,516	1,123	Trees (16),No Specific Cause Found (8),Equipment Failure (7),Lightning (6),Weather (2),Animal (2),Unique Incident (2),Forced Outage/Emergency (1)
FREMONT	2024	33	2,093	603	Trees (11),Equipment Failure (10),Animal (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Unique Incident (1),Bird (1),Lightning (1),Trees - Outside ROW (1)
GRAND LEDGE	2020	49	7,829	1,206	Planned/Scheduled (23),Equipment Failure (11),Trees (7),Animal (3),Unique Incident (2),Car/Pole Accident (1),Forced Outage/Emergency (1),Weather (1)
GRAND LEDGE	2021	75	5,861	2,000	Planned/Scheduled (37),Equipment Failure (17),Trees (7),Unique Incident (6),Animal (3),Car/Pole Accident (2),Weather (2),No Specific Cause Found (1)
GRAND LEDGE	2022	32	2,295	1,447	Equipment Failure (9),Trees (7),No Specific Cause Found (7),Animal (6),Unique Incident (2),Weather (1)
GRAND LEDGE	2023	109	16,342	2,028	Trees (58),Weather (18),Equipment Failure (10),No Specific Cause Found (8),Forced Outage/Emergency (5),Animal (5),Unique Incident (3),Trees - Outside ROW (2)
GRAND LEDGE	2024	21	16,532	7,328	Animal (6),Trees (5),Equipment Failure (3),Lightning (2),Forced Outage/Emergency (2),No Specific Cause Found (2),Unique Incident (1)
GLADWIN	2020	64	3,461	747	Trees (20),Equipment Failure (19),Planned/Scheduled (7),Trees - Outside ROW (8),Animal (5),Unique Incident (2),Lightning (2),Car/Pole Accident (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
GLADWIN	2021	90	8,490	2,551	Trees (29),Equipment Failure (20),Planned/Scheduled (10),Trees - Outside ROW (8),No Specific Cause Found (7),Weather (6),Car/Pole Accident (3),Unique Incident (3),Animal (2),Public Damage (1),Forced Outage/Emergency (1)
GLADWIN	2022	88	14,882	4,998	Trees (30),Equipment Failure (20),No Specific Cause Found (14),Weather (7),Unique Incident (5),Trees - Outside ROW (4),Animal (3),Lightning (3),Bird (1),Forced Outage/Emergency (1)
GLADWIN	2023	79	7,613	3,586	Trees (30),Equipment Failure (17),No Specific Cause Found (13),Unique Incident (5),Lightning (3),Trees - Outside ROW (3),Weather (3),Animal (3),Forced Outage/Emergency (2)
GLADWIN	2024	74	9,392	2,333	Trees (26),Equipment Failure (13),Weather (9),Forced Outage/Emergency (5),No Specific Cause Found (5),Trees - Outside ROW (5),Unique Incident (4),Animal (3),Car/Pole Accident (2),Public Tree Trimming (2),Bird (1),Public Damage (1),Lightning (1)
ATLAS	2020	58	6,879	7,069	Equipment Failure (18),Planned/Scheduled (13),Trees (13),Forced Outage/Emergency (3),No Specific Cause Found (3),Trees - Outside ROW (2),Weather (2),Lightning (1),Car/Pole Accident (1),Animal (1),Unique Incident (1)
ATLAS	2021	123	38,241	6,045	Trees (66),Equipment Failure (18),Weather (11),Forced Outage/Emergency (6),Planned/Scheduled (5),Unique Incident (4),No Specific Cause Found (4),Animal (3),Trees - Outside ROW (2),Lightning (2)
ATLAS	2022	69	3,236	1,108	Equipment Failure (25),Trees (24),Weather (6),Animal (4),No Specific Cause Found (4),Forced Outage/Emergency (3),Trees - Outside ROW (2),Public Damage (1)
ATLAS	2023	44	9,484	1,863	Trees (18),Equipment Failure (12),Animal (5),Forced Outage/Emergency (3),No Specific Cause Found (2),Unique Incident (2),Trees - Outside ROW (2)
ATLAS	2024	52	3,349	1,785	Trees (29),Equipment Failure (7),No Specific Cause Found (6),Weather (5),Animal (2),Forced Outage/Emergency (2),Trees - Outside ROW (1)
MEADOWBROOKE	2020	33	1,708	1,108	Animal (7),Planned/Scheduled (5),Equipment Failure (5),Weather (4),No Specific Cause Found (3),Unique Incident (2),Public Damage (2),Car/Pole Accident (2),Lightning (1),Trees - Outside ROW (1),Bird (1)
MEADOWBROOKE	2021	25	547	531	Planned/Scheduled (8),Animal (6),Equipment Failure (4),No Specific Cause Found (3),Lightning (1),Trees (1),Car/Pole Accident (1),Trees - Outside ROW (1)
MEADOWBROOKE	2022	25	697	226	Animal (14),Equipment Failure (5),No Specific Cause Found (3),Weather (1),Bird (1),Trees (1)
MEADOWBROOKE	2023	32	2,160	1,180	Animal (14),Equipment Failure (8),No Specific Cause Found (3),Trees - Outside ROW (3),Weather (2),Unique Incident (2)
MEADOWBROOKE	2024	49	1,498	970	Animal (15),Equipment Failure (14),Trees - Outside ROW (6),No Specific Cause Found (5),Trees (3),Unique Incident (3),Weather (2),Forced Outage/Emergency (1)
ELLSWORTH	2020	10	3,549	1,135	Equipment Failure (8),Transmission/Generation (2)
ELLSWORTH	2021	9	1,219	535	Public Damage (5),Unique Incident (2),Equipment Failure (1),Planned/Scheduled (1)
ELLSWORTH	2022	2	237	98	Equipment Failure (2)
ELLSWORTH	2023	1	349	98	Public Damage (1)
ELLSWORTH	2024	5	403	251	Lightning (3),Forced Outage/Emergency (1),No Specific Cause Found (1)
HASTINGS	2020	136	8,688	3,906	Trees (45),Equipment Failure (37),Planned/Scheduled (24),Trees - Outside ROW (6),Animal (5),Weather (5),No Specific Cause Found (4),Lightning (3),Forced Outage/Emergency (3),Unique Incident (2),Public Damage (1),Car/Pole Accident (1)
HASTINGS	2021	135	11,268	5,248	Planned/Scheduled (40),Trees (39),Equipment Failure (23),Animal (7),No Specific Cause Found (5),Unique Incident (4),Trees - Outside ROW (4),Car/Pole Accident (4),Lightning (4),Weather (2),Public Tree Trimming (1),Forced Outage/Emergency (1),Bird (1)
HASTINGS	2022	105	25,112	4,568	Trees (34),Equipment Failure (30),No Specific Cause Found (11),Animal (9),Weather (6),Unique Incident (4),Car/Pole Accident (3),Lightning (2),Public Damage (2),Bird (2),Forced Outage/Emergency (1),Public Tree Trimming (1)
HASTINGS	2023	86	5,225	2,982	Trees (27),Equipment Failure (16),No Specific Cause Found (15),Trees - Outside ROW (8),Weather (6),Animal (5),Forced Outage/Emergency (5),Lightning (3),Public Tree Trimming (1),Unique Incident (1)
HASTINGS	2024	94	3,146	2,107	Trees (39),Animal (15),No Specific Cause Found (14),Equipment Failure (11),Car/Pole Accident (3),Trees - Outside ROW (3),Unique Incident (3),Forced Outage/Emergency (2),Weather (2),Bird (1),Lightning (1)
CAMELOT LAKE	2020	92	21,593	5,282	Trees (26),Equipment Failure (17),Planned/Scheduled (12),Trees - Outside ROW (11),Animal (8),Weather (6),Forced Outage/Emergency (5),No Specific Cause Found (3),Unique Incident (3),Public Tree Trimming (1)
CAMELOT LAKE	2021	81	7,644	1,840	Trees (41),Equipment Failure (13),Weather (6),Equipment Failure (6),Planned/Scheduled (6),Forced Outage/Emergency (3),Animal (3),Car/Pole Accident (1),Trees - Outside ROW (1),No Specific Cause Found (1)
CAMELOT LAKE	2022	54	12,463	2,985	Trees (19),Equipment Failure (11),Trees - Outside ROW (10),No Specific Cause Found (5),Weather (3),Unique Incident (2),Animal (1),Forced Outage/Emergency (1),Lightning (1),Public Tree Trimming (1)
CAMELOT LAKE	2023	48	7,478	1,784	Trees (19),Equipment Failure (11),Trees - Outside ROW (5),Weather (4),Forced Outage/Emergency (3),No Specific Cause Found (3),Animal (2),Unique Incident (1)
CAMELOT LAKE	2024	92	7,899	2,195	Trees (43),Weather (11),No Specific Cause Found (11),Equipment Failure (10),Trees - Outside ROW (6),Animal (5),Car/Pole Accident (2),Unique Incident (2),Lightning (1),Bird (1)
ITHACA	2020	91	9,552	2,428	Planned/Scheduled (25),Trees (22),Equipment Failure (21),Weather (10),Forced Outage/Emergency (3),No Specific Cause Found (2),Car/Pole Accident (2),Animal (2),Trees - Outside ROW (1),Public Damage (1),Lightning (1),Bird (1)
ITHACA	2021	62	1,514	865	Equipment Failure (15),Trees (15),Planned/Scheduled (13),Animal (4),Forced Outage/Emergency (4),Weather (3),Public Damage (2),No Specific Cause Found (2),Unique Incident (2),Bird (1),Car/Pole Accident (1)
ITHACA	2022	26	1,429	545	Equipment Failure (9),Trees (6),Weather (3),Lightning (3),No Specific Cause Found (3),Car/Pole Accident (1),Animal (1),Public Damage (1)
ITHACA	2023	43	4,431	2,086	Trees (15),Equipment Failure (13),Weather (5),Animal (3),No Specific Cause Found (3),Lightning (1),Public Damage (1),Bird (1),Car/Pole Accident (1)
ITHACA	2024	32	4,908	4,041	Equipment Failure (11),Trees (6),Weather (5),Forced Outage/Emergency (3),Animal (2),Lightning (2),No Specific Cause Found (2),Bird (1)
WOODLAND	2020	30	2,801	876	Equipment Failure (9),Trees (9),Planned/Scheduled (3),Unique Incident (2),No Specific Cause Found (2),Car/Pole Accident (2),Trees - Outside ROW (1),Public Damage (1),Bird (1)
WOODLAND	2021	25	315	247	Planned/Scheduled (9),Equipment Failure (5),Trees (4),Animal (2),No Specific Cause Found (2),Car/Pole Accident (1),Lightning (1),Weather (1)
WOODLAND	2022	18	649	292	Equipment Failure (7),Trees (5),No Specific Cause Found (3),Weather (1),Public Damage (1),Forced Outage/Emergency (1)
WOODLAND	2023	51	9,861	2,050	Trees (28),Equipment Failure (14),Animal (6),Public Damage (1),Weather (1),Trees - Outside ROW (1),Lightning (1)
WOODLAND	2024	24	819	345	Trees (7),Animal (4),Equipment Failure (4),Weather (3),Forced Outage/Emergency (3),No Specific Cause Found (2),Unique Incident (1)

KENDRICK	2021	5	30	20	Equipment Failure (2),Animal (1),No Specific Cause Found (1),Unique Incident (1)
KENDRICK	2022	2	4	2	Equipment Failure (1),Animal (1)
KENDRICK	2023	3	62	30	Weather (1),Equipment Failure (1),Public Damage (1)
KENDRICK	2024	1	243	162	Equipment Failure (1)
LINDEN	2020	19	1,283	375	Equipment Failure (6),Car/Pole Accident (3),Trees (2),No Specific Cause Found (2),Trees - Outside ROW (1),Public Damage (1),Lightning (1),Planned/Scheduled (1),Forced Outage/Emergency (1),Animal (1)
LINDEN	2021	49	6,741	1,220	Trees (13),Equipment Failure (9),Weather (8),Planned/Scheduled (4),Forced Outage/Emergency (4),No Specific Cause Found (4),Unique Incident (3),Animal (1),Car/Pole Accident (1),Trees - Outside ROW (1),Public Damage (1)
LINDEN	2022	34	5,756	1,975	Trees (7),Equipment Failure (5),Animal (5),Unique Incident (5),No Specific Cause Found (4),Forced Outage/Emergency (3),Bird (2),Weather (2),Public Damage (1)
LINDEN	2023	25	8,151	4,838	Trees (9),Equipment Failure (6),Weather (3),No Specific Cause Found (2),Unique Incident (2),Forced Outage/Emergency (1),Animal (1)
LINDEN	2024	30	2,472	589	No Specific Cause Found (8),Forced Outage/Emergency (7),Trees (6),Equipment Failure (5),Weather (2),Animal (1),Public Damage (1)
LEELANAU	2020	21	2,842	725	Trees (10),Animal (3),Equipment Failure (2),Trees - Outside ROW (2),No Specific Cause Found (1),Forced Outage/Emergency (1),Planned/Scheduled (1),Weather (1)
LEELANAU	2021	16	1,329	368	Trees (10),Equipment Failure (2),Animal (1),Trees - Outside ROW (1),Planned/Scheduled (1),No Specific Cause Found (1)
LEELANAU	2022	32	10,132	1,498	Trees (17),Trees - Outside ROW (5),Equipment Failure (5),No Specific Cause Found (2),Unique Incident (1),Forced Outage/Emergency (1),Animal (1)
LEELANAU	2023	13	1,103	356	Trees (5),Equipment Failure (2),Trees - Outside ROW (2),Public Tree Trimming (1),No Specific Cause Found (1),Animal (1),Car/Pole Accident (1)
LEELANAU	2024	23	3,955	1,149	Trees (11),Trees - Outside ROW (4),Forced Outage/Emergency (3),No Specific Cause Found (3),Animal (1),Weather (1)
PERRY	2020	26	3,860	1,430	Trees (7),Weather (5),Equipment Failure (4),Planned/Scheduled (4),Trees - Outside ROW (3),Bird (1),Animal (1),Unique Incident (1)
PERRY	2021	32	2,741	2,295	Trees (9),Equipment Failure (8),Unique Incident (4),Lightning (3),Planned/Scheduled (2),Weather (2),Animal (1),Bird (1),Trees - Outside ROW (1),No Specific Cause Found (1)
PERRY	2022	33	3,035	3,171	Equipment Failure (9),Unique Incident (7),Trees (6),Animal (4),No Specific Cause Found (4),Weather (2),Bird (1)
PERRY	2023	41	12,841	1,969	Trees (18),Unique Incident (9),Weather (7),Forced Outage/Emergency (2),Animal (2),Public Damage (1),No Specific Cause Found (1),Equipment Failure (1)
PERRY	2024	44	8,375	2,722	Trees (14),No Specific Cause Found (10),Equipment Failure (7),Unique Incident (4),Trees - Outside ROW (3),Animal (2),Weather (2),Bird (1),Lightning (1)
NEW RICHMOND	2020	26	1,003	422	Trees (6),Equipment Failure (5),Public Damage (4),Planned/Scheduled (4),Trees - Outside ROW (2),Weather (1),Lightning (1),Animal (1),No Specific Cause Found (1),Unique Incident (1)
NEW RICHMOND	2021	19	3,476	969	Lightning (3),Trees - Outside ROW (3),Trees (3),Planned/Scheduled (3),Unique Incident (2),Equipment Failure (2),Animal (1),Transmission/Generation (1),No Specific Cause Found (1)
NEW RICHMOND	2022	19	1,829	438	No Specific Cause Found (6),Trees (5),Equipment Failure (4),Lightning (1),Trees - Outside ROW (1),Unique Incident (1),Weather (1)
NEW RICHMOND	2023	26	6,113	2,136	Trees (13),Weather (5),Equipment Failure (3),No Specific Cause Found (2),Car/Pole Accident (1),Animal (1),Trees - Outside ROW (1)
NEW RICHMOND	2024	34	2,501	821	Trees (13),No Specific Cause Found (8),Weather (5),Equipment Failure (4),Lightning (2),Trees - Outside ROW (2)
EVANSTON	2020	7	1,731	640	Transmission/Generation (2),Trees (2),Equipment Failure (1),Animal (1),Lightning (1)
EVANSTON	2021	25	682	260	Trees (8),Trees - Outside ROW (4),Equipment Failure (3),Animal (3),Planned/Scheduled (3),Weather (2),No Specific Cause Found (2)
EVANSTON	2022	18	5,092	1,695	Trees (5),Equipment Failure (4),Car/Pole Accident (2),Animal (2),Bird (1),Public Damage (1),Trees - Outside ROW (1),Unique Incident (1),Forced Outage/Emergency (1)
EVANSTON	2023	34	2,499	1,534	Trees (15),Animal (8),Equipment Failure (5),No Specific Cause Found (4),Trees - Outside ROW (2)
EVANSTON	2024	39	4,698	861	Trees (20),Animal (9),No Specific Cause Found (5),Trees - Outside ROW (2),Weather (2),Forced Outage/Emergency (1)
TECUMSEH	2020	69	11,938	5,717	Animal (18),Equipment Failure (16),No Specific Cause Found (12),Planned/Scheduled (12),Trees (4),Forced Outage/Emergency (3),Weather (2),Unique Incident (1),Car/Pole Accident (1)
TECUMSEH	2021	65	9,359	2,744	No Specific Cause Found (13),Trees (13),Planned/Scheduled (10),Animal (9),Equipment Failure (8),Unique Incident (6),Weather (5),Forced Outage/Emergency (1)
TECUMSEH	2022	61	8,750	8,171	No Specific Cause Found (19),Animal (15),Equipment Failure (8),Weather (6),Trees (5),Trees - Outside ROW (4),Unique Incident (2),Lightning (2)
TECUMSEH	2023	98	9,017	6,655	Trees (27),No Specific Cause Found (19),Animal (14),Equipment Failure (14),Weather (11),Trees - Outside ROW (7),Forced Outage/Emergency (3),Unique Incident (2),Public Damage (1)
TECUMSEH	2024	76	8,809	2,339	Animal (22),No Specific Cause Found (8),Trees (6),Equipment Failure (6),Weather (3),Forced Outage/Emergency (2),Unique Incident (1),Lightning (1)
TWELFTH STREET	2020	25	14,862	3,418	Equipment Failure (9),Trees (8),Planned/Scheduled (3),Public Damage (2),No Specific Cause Found (2),Unique Incident (1),Weather (1)
TWELFTH STREET	2021	23	1,305	598	Equipment Failure (11),Trees (4),Animal (2),Planned/Scheduled (2),Public Damage (2),Lightning (1),Trees - Outside ROW (1)
TWELFTH STREET	2022	30	10,029	5,725	Equipment Failure (11),Trees (9),No Specific Cause Found (3),Unique Incident (3),Trees - Outside ROW (2),Animal (1),Lightning (1)
TWELFTH STREET	2023	41	37,513	8,099	Equipment Failure (15),No Specific Cause Found (7),Weather (5),Trees (4),Unique Incident (4),Public Damage (3),Animal (1),Car/Pole Accident (1),Bird (1)
TWELFTH STREET	2024	14	1,602	607	Equipment Failure (6),Animal (3),Trees (2),No Specific Cause Found (1),Unique Incident (1),Weather (1)
SMALLWOOD DAM	2020	42	14,270	3,327	Trees (15),Equipment Failure (10),Planned/Scheduled (5),Unique Incident (4),Trees - Outside ROW (2),Weather (2),Public Damage (1),Lightning (1),Bird (1),Public Tree Trimming (1)
SMALLWOOD DAM	2021	52	12,562	3,778	Trees (12),Weather (11),Equipment Failure (8),Planned/Scheduled (5),Trees - Outside ROW (5),Unique Incident (4),No Specific Cause Found (4),Forced Outage/Emergency (1),Car/Pole Accident (1),Lightning (1)
SMALLWOOD DAM	2022	47	9,202	3,251	Trees (23),No Specific Cause Found (7),Equipment Failure (5),Trees - Outside ROW (4),Forced Outage/Emergency (2),Car/Pole Accident (2),Weather (1),Animal (1),Unique Incident (1),Lightning (1)
SMALLWOOD DAM	2023	52	9,217	2,517	Trees (22),Equipment Failure (12),No Specific Cause Found (7),Unique Incident (3),Lightning (2),Trees - Outside ROW (2),Animal (1),Weather (1),Public Damage (1),Bird (1)
SMALLWOOD DAM	2024	79	6,188	2,308	Trees (33),Trees - Outside ROW (12),Equipment Failure (10),No Specific Cause Found (8),Unique Incident (5),Forced Outage/Emergency (4),Weather (4),Public Damage (2),Animal (1)
GRANDVILLE	2020	62	5,423	2,590	Equipment Failure (19),Animal (15),Trees (13),Planned/Scheduled (5),No Specific Cause Found (3),Unique Incident (2),Trees - Outside ROW (2),Public Tree Trimming (1),Public Damage (1),Weather (1)
GRANDVILLE	2021	84	6,922	4,293	Trees (20),Animal (19),Equipment Failure (16),Planned/Scheduled (7),Public Damage (4),Forced Outage/Emergency (4),No Specific Cause Found (4),Weather (3),Car/Pole Accident (3),Trees - Outside ROW (2),Unique Incident (1),Bird (1)
GRANDVILLE	2022	76	13,076	7,917	Animal (25),Equipment Failure (16),Trees (8),No Specific Cause Found (7),Car/Pole Accident (6),Weather (4),Public Damage (3),Trees - Outside ROW (2),Forced Outage/Emergency (2),Unique Incident (2),Bird (1)
GRANDVILLE	2023	48	1,028	417	Animal (22),No Specific Cause Found (8),Trees (6),Equipment Failure (6),Weather (3),Forced Outage/Emergency (2),Unique Incident (1)
GRANDVILLE	2024	99	3,855	1,900	Animal (40),Equipment Failure (22),Trees (11),Weather (9),No Specific Cause Found (7),Forced Outage/Emergency (2),Unique Incident (2),Trees - Outside ROW (2),Public Damage (1),Bird (1),Lightning (1)
SPRING LAKE	2020	65	4,973	2,651	Planned/Scheduled (23),Animal (13),Equipment Failure (11),Trees (11),Public Damage (2),No Specific Cause Found (2),Forced Outage/Emergency (1),Trees - Outside ROW (1),Weather (1)
SPRING LAKE	2021	34	4,063	1,627	Trees (10),Trees - Outside ROW (7),Equipment Failure (5),Animal (4),Planned/Scheduled (3),Car/Pole Accident (1),Unique Incident (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
SPRING LAKE	2022	43	3,406	1,668	Animal (18),No Specific Cause Found (9),Trees (7),Equipment Failure (5),Weather (2),Car/Pole Accident (1),Trees - Outside ROW (1)
SPRING LAKE	2023	39	1,615	768	Animal (17),Equipment Failure (10),Trees (6),Unique Incident (2),No Specific Cause Found (2),Public Damage (1),Lightning (1)
SPRING LAKE	2024	57	10,150	4,716	Animal (16),Trees (9),Weather (9),Equipment Failure (8),No Specific Cause Found (8),Unique Incident (2),Forced Outage/Emergency (2),Trees - Outside ROW (1),Public Damage (1),Bird (1)
HANNAH	2020	55	804	217	Equipment Failure (23),Lightning (6),Animal (6),Trees (5),Weather (5),No Specific Cause Found (5),Planned/Scheduled (4),Public Damage (1)
HANNAH	2021	44	5,201	3,570	Equipment Failure (13),No Specific Cause Found (9),Trees (6),Planned/Scheduled (5),Trees - Outside ROW (4),Animal (2),Car/Pole Accident (2),Unique Incident (1),Lightning (1),Bird (1)
HANNAH	2022	57	10,345	2,189	Equipment Failure (17),Animal (10),Lightning (8),No Specific Cause Found (8),Trees (6),Trees - Outside ROW (3),Weather (2),Forced Outage/Emergency (2),Unique Incident (1)
HANNAH	2023	45	8,211	4,223	Equipment Failure (14),Trees (11),Animal (4),Trees - Outside ROW (4),No Specific Cause Found (4),Lightning (4),Unique Incident (2),Forced Outage/Emergency (1),Weather (1)
HANNAH	2024	32	3,149	1,544	No Specific Cause Found (8),Animal (6),Equipment Failure (5),Trees (3),Trees - Outside ROW (3),Unique Incident (2),Forced Outage/Emergency (2),Lightning (1),Public Damage (1),Weather (1)
GREENVILLE	2020	69	11,110	5,429	Trees (32),Equipment Failure (16),Weather (6),Trees - Outside ROW (3),Transmission/Generation (3),No Specific Cause Found (3),Planned/Scheduled (3),Forced Outage/Emergency (1),Public Damage (1),Animal (1)
GREENVILLE	2021	52	4,052	1,369	Trees (28),Equipment Failure (13),Planned/Scheduled (6),Animal (2),Trees - Outside ROW (1),Weather (1),No Specific Cause Found (1)
GREENVILLE	2022	48	1,028	6,669	Trees (11),Equipment Failure (9),No Specific Cause Found (8),Weather (3),Forced Outage/Emergency (2),Unique Incident (1)
GREENVILLE	2023	75	14,862	3,082	Trees (40),No Specific Cause Found (15),Equipment Failure (7),Weather (5),Public Damage (3),Forced Outage/Emergency (2),Trees - Outside ROW (1),Animal (1),Unique Incident (1)
GREENVILLE	2024	49	1,885	1,008	Trees (13),Equipment Failure (9),No Specific Cause Found (9),Forced Outage/Emergency (8),Trees - Outside ROW (5),Weather (3),Unique Incident (2)
GREENSPIRE	2020	26	4,007	1,639	Equipment Failure (7),Planned/Scheduled (5),Unique Incident (4),Trees (4),Public Damage (3),No Specific Cause Found (1),Weather (1),Animal (1)
GREENSPIRE	2021	22	2,608	944	Planned/Scheduled (4),Trees (3),Equipment Failure (3),Public Damage (3),Weather (2),Animal (1),No Specific Cause Found (1),Forced Outage/Emergency (1),Trees - Outside ROW (1),Car/Pole Accident (1),Unique Incident (1),Bird (1)
GREENSPIRE	2022	13	4,950	2,264	Equipment Failure (5),Trees (3),Weather (2),Animal (1),Bird (1),Forced Outage/Emergency (1)
GREENSPIRE	2023	21	8,930	2,581	Trees (7),Equipment Failure (3),Animal (3),Unique Incident (3),Public Damage (2),Weather (2),No Specific Cause Found (1)
GREENSPIRE	2024	57	1,453	581	Weather (18),Equipment Failure (12),Trees (7),No Specific Cause Found (7),Public Damage (5),Trees - Outside ROW (4),Unique Incident (3),Bird (1)
MORENCI	2020	41	2,442	784	Planned/Scheduled (8),Equipment Failure (8),No Specific Cause Found (6),Animal (5),Unique Incident (4),Lightning (4),Weather (3),Trees (2),Trees - Outside ROW (1)
MORENCI	2021	20	398	217	Planned/Scheduled (5),Animal (4),Trees (4),No Specific Cause Found (3),Equipment Failure (2),Unique Incident (1),Lightning (1)
MORENCI	2022	38	1,887	548	No Specific Cause Found (11),Animal (9),Equipment Failure (5),Weather (4),Trees (3),Unique Incident (3),Public Damage (2),Trees - Outside ROW (1)
MORENCI	2023	43	831	380	Trees (9),No Specific Cause Found (9),Animal (7),Weather (7),Equipment Failure (5),Unique Incident (4),Forced Outage/Emergency (2)
MORENCI	2024	29	602	286	No Specific Cause Found (12),Animal (9),Trees (3),Bird (1),Trees - Outside ROW (1),Weather (1),Equipment Failure (1),Forced Outage/Emergency (1)
BURR OAK	2020	109	8,375	2,200	Trees (28),No Specific Cause Found (21),Weather (18),Equipment Failure (15),Trees - Outside ROW (8),Animal (4),Car/Pole Accident (3),Bird (3),Public Damage (3),Lightning (2),Unique Incident (2),Public Tree Trimming (1),Planned/Scheduled (1)
BURR OAK	2021	132	57,419	6,645	Trees (59),Weather (28),Equipment Failure (22),Trees - Outside ROW (15),Lightning (14),No Specific Cause Found (13),Animal (12),Planned/Scheduled (7),Unique Incident (6),Bird (5)
BURR OAK	2022	106	6,696	3,013	No Specific Cause Found (22),Trees (21),Equipment Failure (17),Lightning (12),Weather (11),Animal (8),Trees - Outside ROW (7),Unique Incident (4),Car/Pole Accident (2),Forced Outage/Emergency (1),Public Tree Trimming (1)
BURR OAK	2023	127	13,676	6,212	No Specific Cause Found (36),Trees (30),Equipment Failure (19),Trees - Outside ROW (16),Weather (7),Unique Incident (6),Public Damage (4),Animal (3),Lightning (3),Bird (2),Car/Pole Accident (1)
BURR OAK	2024	95	6,751	4,175	No Specific Cause Found (25),Trees (20),Equipment Failure (12),Animal (10),Trees - Outside ROW (10),Weather (8),Unique Incident (5),Lightning (1),Public Tree Trimming (1),Forced Outage/Emergency (1),Public Damage (1),Bird (1)
JEROME ROAD	2020	4	835	437	Equipment Failure (2),Animal (1),Trees (1)
JEROME ROAD	2021	8	682	295	Public Damage (3),Car/Pole Accident (2),Planned/Scheduled (1),Trees (1),Unique Incident (1)
JEROME ROAD	2022	1	9	53	Forced Outage/Emergency (1)
JEROME ROAD	2023	6	1,121	459	Equipment Failure (2),Bird (1),Trees - Outside ROW (1),Trees (1),Forced Outage/Emergency (1)

JEROME ROAD	2024	2	54	71 Public Damage (1),Unique Incident (1)
REED CITY	2020	40	3,711	1,134 Equipment Failure (12),Planned/Scheduled (7),Trees (6),Trees - Outside ROW (5),Weather (3),No Specific Cause Found (2),Unique Incident (2),Forced Outage/Emergency (1),Public Damage (1),Animal (1)
REED CITY	2021	39	2,825	1,106 Trees (14),Equipment Failure (5),Planned/Scheduled (4),Unique Incident (3),Lightning (3),Trees - Outside ROW (2),Animal (2),No Specific Cause Found (2),Weather (2),Public Damage (1),Forced Outage/Emergency (1)
REED CITY	2022	18	1,878	696 Equipment Failure (9),No Specific Cause Found (2),Weather (2),Trees - Outside ROW (1),Trees (1),Bird (1),Unique Incident (1),Animal (1)
REED CITY	2023	21	3,842	1,126 Equipment Failure (6),Forced Outage/Emergency (3),Trees (3),Lightning (2),Car/Pole Accident (2),Trees - Outside ROW (2),Animal (1),Weather (1),No Specific Cause Found (1)
REED CITY	2024	15	461	154 Equipment Failure (5),Weather (2),Trees - Outside ROW (2),Lightning (2),Animal (1),Trees (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
LESSLIE INDUSTRIAL	2020	6	849	154 Trees (2),Planned/Scheduled (2),No Specific Cause Found (2)
LESSLIE INDUSTRIAL	2021	14	757	362 No Specific Cause Found (3),Trees (3),Equipment Failure (3),Planned/Scheduled (2),Forced Outage/Emergency (1),Public Damage (1),Weather (1)
LESSLIE INDUSTRIAL	2022	3	211	87 Trees (1),Weather (1),Unique Incident (1)
LESSLIE INDUSTRIAL	2023	7	2,252	225 Weather (3),Equipment Failure (2),Trees (1),Bird (1)
LESSLIE INDUSTRIAL	2024	3	251	183 Equipment Failure (2),Trees (1)
HARVEY STREET	2020	89	12,138	4,708 Animal (27),Trees (18),Planned/Scheduled (15),Equipment Failure (13),Weather (5),No Specific Cause Found (4),Car/Pole Accident (2),Trees - Outside ROW (2),Public Damage (1),Forced Outage/Emergency (1),Unique Incident (1)
HARVEY STREET	2021	95	8,084	4,750 Equipment Failure (21),Trees (18),Animal (17),Planned/Scheduled (11),Unique Incident (8),Weather (7),No Specific Cause Found (5),Forced Outage/Emergency (4),Public Damage (3),Trees - Outside ROW (1)
HARVEY STREET	2022	89	22,453	6,385 Animal (22),Equipment Failure (20),Trees (12),Unique Incident (12),Weather (10),No Specific Cause Found (8),Forced Outage/Emergency (4),Trees - Outside ROW (1)
HARVEY STREET	2023	52	19,476	5,322 Equipment Failure (17),Animal (15),Trees (8),Unique Incident (4),Car/Pole Accident (2),Public Damage (2),No Specific Cause Found (2),Bird (1),Weather (1)
HARVEY STREET	2024	110	8,848	5,317 Trees (25),Weather (23),Animal (21),Forced Outage/Emergency (11),Equipment Failure (11),No Specific Cause Found (10),Unique Incident (5),Public Damage (2),Transmission/Generation (2)
MERIDIAN	2020	24	1,006	534 Equipment Failure (6),Trees (6),Planned/Scheduled (6),Unique Incident (4),Car/Pole Accident (1),No Specific Cause Found (1)
MERIDIAN	2021	16	1,535	1,616 Planned/Scheduled (7),Equipment Failure (2),No Specific Cause Found (2),Trees (2),Weather (1),Car/Pole Accident (1),Unique Incident (1)
MERIDIAN	2022	7	371	139 Equipment Failure (3),Animal (2),Trees (2)
MERIDIAN	2023	11	1,756	778 Trees (5),Weather (3),Equipment Failure (3)
MERIDIAN	2024	5	671	165 Equipment Failure (2),Unique Incident (1),Lightning (1),Forced Outage/Emergency (1)
EAST GENESSEE AVE	2020	67	5,755	2,052 Trees (25),Forced Outage/Emergency (11),Equipment Failure (10),Car/Pole Accident (6),Public Damage (4),Unique Incident (3),Planned/Scheduled (3),Weather (2),No Specific Cause Found (2),Animal (1)
EAST GENESSEE AVE	2021	117	4,876	1,718 Trees (35),Equipment Failure (21),Planned/Scheduled (17),Forced Outage/Emergency (14),Unique Incident (8),Car/Pole Accident (6),No Specific Cause Found (6),Weather (3),Animal (3),Public Damage (3),Trees - Outside ROW (1)
EAST GENESSEE AVE	2022	62	4,726	1,322 Trees (22),Equipment Failure (13),Forced Outage/Emergency (13),Weather (6),Animal (2),No Specific Cause Found (2),Unique Incident (2),Public Damage (1),Car/Pole Accident (1)
EAST GENESSEE AVE	2023	39	1,403	2,004 Trees (16),Equipment Failure (7),Weather (4),Car/Pole Accident (3),Unique Incident (3),Forced Outage/Emergency (2),Public Damage (2),Trees - Outside ROW (1),No Specific Cause Found (1)
EAST GENESSEE AVE	2024	40	2,931	921 Trees (15),Equipment Failure (10),Forced Outage/Emergency (5),Weather (5),No Specific Cause Found (2),Unique Incident (1),Car/Pole Accident (1),Trees - Outside ROW (1)
WESTERN AVENUE	2020	36	6,290	3,141 Animal (12),No Specific Cause Found (7),Trees (6),Public Damage (4),Planned/Scheduled (2),Equipment Failure (2),Trees - Outside ROW (1),Unique Incident (1),Car/Pole Accident (1)
WESTERN AVENUE	2021	50	2,205	1,654 Animal (20),Equipment Failure (15),Trees (5),No Specific Cause Found (4),Weather (2),Trees - Outside ROW (1),Unique Incident (1),Forced Outage/Emergency (1),Planned/Scheduled (1)
WESTERN AVENUE	2022	41	2,645	1,177 Animal (10),Equipment Failure (8),No Specific Cause Found (6),Trees (5),Trees - Outside ROW (4),Weather (3),Bird (2),Forced Outage/Emergency (2),Unique Incident (1)
WESTERN AVENUE	2023	39	2,227	1,764 Animal (14),Trees (8),Weather (4),Equipment Failure (3),No Specific Cause Found (3),Public Damage (2),Bird (2),Transmission/Generation (1),Public Tree Trimming (1),Unique Incident (1)
WESTERN AVENUE	2024	108	15,611	7,008 Trees (36),Weather (28),Animal (14),No Specific Cause Found (12),Equipment Failure (5),Unique Incident (4),Forced Outage/Emergency (3),Car/Pole Accident (3),Bird (2),Trees - Outside ROW (1)
PINCONNING	2020	41	1,232	623 Trees (11),Equipment Failure (10),Planned/Scheduled (8),Weather (4),Forced Outage/Emergency (3),Public Damage (2),Unique Incident (1),Animal (1),Public Tree Trimming (1)
PINCONNING	2021	40	658	565 Equipment Failure (13),Trees (5),Planned/Scheduled (4),Lightning (3),Forced Outage/Emergency (3),Trees - Outside ROW (3),Unique Incident (2),Weather (2),Bird (2),No Specific Cause Found (2),Animal (1)
PINCONNING	2022	33	4,945	1,502 Equipment Failure (10),Trees (9),Trees - Outside ROW (3),Weather (2),Unique Incident (2),Car/Pole Accident (2),Forced Outage/Emergency (2),No Specific Cause Found (1),Bird (1),Animal (1)
PINCONNING	2023	31	2,934	1,258 Trees (8),Equipment Failure (7),Trees - Outside ROW (5),Animal (4),No Specific Cause Found (5),Unique Incident (2),Public Damage (1),Weather (1)
PINCONNING	2024	57	4,145	535 Trees (2),Weather (9),No Specific Cause Found (9),Equipment Failure (8),Trees - Outside ROW (5),Forced Outage/Emergency (1),Unique Incident (1),Public Damage (1),Lightning (1)
STANDISH	2020	49	2,689	1,106 Equipment Failure (13),Trees (10),No Specific Cause Found (7),Planned/Scheduled (4),Unique Incident (4),Forced Outage/Emergency (2),Public Damage (2),Trees - Outside ROW (2),Animal (2),Weather (1),Bird (1),Lightning (1)
STANDISH	2021	68	30,375	3,779 Trees (21),Equipment Failure (20),Weather (9),Trees - Outside ROW (6),Planned/Scheduled (6),Lightning (3),No Specific Cause Found (2),Unique Incident (1)
STANDISH	2022	50	3,746	1,053 Trees (22),Equipment Failure (9),No Specific Cause Found (6),Trees - Outside ROW (4),Forced Outage/Emergency (2),Unique Incident (2),Weather (2),Public Damage (1),Bird (1),Animal (1)
STANDISH	2023	28	2,051	616 Trees (10),Equipment Failure (7),No Specific Cause Found (4),Trees - Outside ROW (3),Unique Incident (1),Car/Pole Accident (1),Bird (1),Public Damage (1)
STANDISH	2024	65	2,851	1,323 Trees (28),Equipment Failure (11),No Specific Cause Found (6),Lightning (6),Unique Incident (3),Weather (3),Forced Outage/Emergency (3),Trees - Outside ROW (2),Bird (1),Animal (1),Public Damage (1)
CLARKSVILLE	2020	31	1,810	799 Equipment Failure (11),Trees (7),Animal (5),Planned/Scheduled (3),Bird (2),Car/Pole Accident (2),Trees - Outside ROW (1)
CLARKSVILLE	2021	30	601	258 Animal (8),Equipment Failure (7),Trees (5),Planned/Scheduled (4),Unique Incident (3),Forced Outage/Emergency (1),No Specific Cause Found (1),Weather (1)
CLARKSVILLE	2022	28	2,624	745 Equipment Failure (9),No Specific Cause Found (7),Animal (4),Weather (3),Public Damage (2),Trees (2),Trees - Outside ROW (1)
CLARKSVILLE	2023	45	5,658	1,804 Trees (13),Equipment Failure (9),Animal (7),Lightning (4),Trees - Outside ROW (3),Weather (2),Unique Incident (2),No Specific Cause Found (2),Forced Outage/Emergency (1),Public Damage (1),Car/Pole Accident (1),Unique Incident (1)
CLARKSVILLE	2024	36	1,088	740 No Specific Cause Found (9),Equipment Failure (8),Trees (4),Lightning (4),Animal (3),Weather (3),Trees - Outside ROW (2),Car/Pole Accident (1),Forced Outage/Emergency (1),Unique Incident (1)
ATHERTON	2020	2	33	11 No Specific Cause Found (1),Transmission/Generation (1)
ATHERTON	2021	16	4,158	801 Trees (5),Equipment Failure (3),Car/Pole Accident (2),Weather (2),Forced Outage/Emergency (1),Unique Incident (1),Planned/Scheduled (1),No Specific Cause Found (1)
ATHERTON	2022	7	1,441	901 Trees (3),Equipment Failure (3),Public Damage (1)
ATHERTON	2023	16	7,181	369 Trees (7),Equipment Failure (4),Weather (4),Car/Pole Accident (1)
ATHERTON	2024	12	6,728	1,553 Forged Outage/Emergency (8),Equipment Failure (2),Trees (1),Weather (1)
RODEEL ROAD	2020	22	1,331	472 Trees (6),No Specific Cause Found (5),Weather (4),Equipment Failure (3),Unique Incident (2),Animal (1),Forced Outage/Emergency (1)
RODEEL ROAD	2021	17	918	257 Trees (7),Equipment Failure (4),Planned/Scheduled (3),No Specific Cause Found (2),Lightning (1)
RODEEL ROAD	2022	28	3,538	747 Equipment Failure (10),Trees (8),No Specific Cause Found (4),Lightning (2),Weather (1),Animal (1),Bird (1),Unique Incident (1)
RODEEL ROAD	2023	11	502	116 Weather (3),Trees (3),Unique Incident (2),No Specific Cause Found (1),Equipment Failure (1),Bird (1)
RODEEL ROAD	2024	17	995	181 Trees (6),Equipment Failure (4),Weather (2),Trees - Outside ROW (1),Unique Incident (1),Lightning (1),Forced Outage/Emergency (1),Animal (1)
MANITOU BEACH	2020	57	2,886	1,188 No Specific Cause Found (12),Equipment Failure (11),Trees (10),Planned/Scheduled (10),Trees - Outside ROW (5),Weather (4),Animal (4),Unique Incident (1)
MANITOU BEACH	2021	59	3,942	2,210 Trees (19),Planned/Scheduled (14),No Specific Cause Found (10),Weather (8),Trees - Outside ROW (4),Unique Incident (2),Car/Pole Accident (1),Equipment Failure (1)
MANITOU BEACH	2022	38	3,288	1,486 Equipment Failure (9),Trees (8),Unique Incident (7),No Specific Cause Found (5),Weather (4),Public Damage (3),Car/Pole Accident (1),Animal (1)
MANITOU BEACH	2023	70	7,656	4,832 Trees (23),No Specific Cause Found (14),Equipment Failure (10),Weather (9),Animal (6),Unique Incident (4),Trees - Outside ROW (2),Public Damage (1),Forced Outage/Emergency (1)
MANITOU BEACH	2024	41	1,152	732 No Specific Cause Found (13),Equipment Failure (10),Trees (6),Weather (4),Unique Incident (3),Car/Pole Accident (2),Animal (1),Public Damage (1),Forced Outage/Emergency (1)
PULLMAN	2020	79	4,926	2,102 Trees (24),Planned/Scheduled (23),Equipment Failure (6),Animal (5),No Specific Cause Found (6),Trees - Outside ROW (5),Animal (3),Car/Pole Accident (2),Unique Incident (2),Lightning (1),Forced Outage/Emergency (1),Public Damage (1)
PULLMAN	2021	63	2,755	1,069 Trees (20),Equipment Failure (13),Trees - Outside ROW (9),Planned/Scheduled (8),No Specific Cause Found (7),Weather (3),Animal (2),Forced Outage/Emergency (1),Lightning (1)
PULLMAN	2022	74	16,789	3,056 Trees (36),Equipment Failure (12),Trees - Outside ROW (11),Unique Incident (4),No Specific Cause Found (4),Weather (3),Lightning (3),Car/Pole Accident (2),Bird (1),Public Damage (1)
PULLMAN	2023	67	10,783	3,272 Trees (30),No Specific Cause Found (10),Trees - Outside ROW (8),Equipment Failure (7),Unique Incident (5),Forced Outage/Emergency (2),Weather (2),Lightning (2),Animal (1)
PULLMAN	2024	95	9,686	2,981 Trees (29),No Specific Cause Found (24),Weather (12),Equipment Failure (8),Lightning (6),Trees - Outside ROW (6),Animal (3),Forced Outage/Emergency (3),Unique Incident (2),Bird (1),Car/Pole Accident (1)
FINE LAKE	2020	80	7,135	1,909 Trees (36),Equipment Failure (18),Lightning (7),Trees - Outside ROW (6),No Specific Cause Found (3),Planned/Scheduled (3),Animal (2),Public Damage (2),Bird (1),Unique Incident (1),Weather (1)
FINE LAKE	2021	57	3,086	1,105 Trees (24),Weather (9),Equipment Failure (6),Planned/Scheduled (5),Trees - Outside ROW (4),No Specific Cause Found (4),Lightning (2),Public Tree Trimming (1),Public Damage (1),Animal (1)
FINE LAKE	2022	58	2,722	678 Equipment Failure (16),Trees (16),Weather (9),No Specific Cause Found (7),Trees - Outside ROW (3),Car/Pole Accident (2),Unique Incident (2),Bird (2),Animal (1)
FINE LAKE	2023	85	2,314	1,092 Trees (28),Equipment Failure (18),Trees - Outside ROW (11),No Specific Cause Found (8),Animal (7),Weather (6),Forced Outage/Emergency (3),Lightning (3),Bird (1)
FINE LAKE	2024	83	7,309	3,134 Trees (35),Weather (12),Trees - Outside ROW (8),No Specific Cause Found (5),Equipment Failure (5),Unique Incident (5),Forced Outage/Emergency (4),Animal (4),Lightning (1),Public Damage (1),Bird (1)
RIGA	2020	24	146	76 No Specific Cause Found (13),Animal (4),Planned/Scheduled (3),Lightning (2),Equipment Failure (2)
RIGA	2021	33	5,351	959 Equipment Failure (7),No Specific Cause Found (7),Planned/Scheduled (7),Animal (5),Weather (3),Lightning (2),Bird (1),Unique Incident (1)
RIGA	2022	42	1,490	602 Equipment Failure (13),Weather (11),No Specific Cause Found (8),Animal (5),Unique Incident (3),Lightning (2)
RIGA	2023	47	588	252 No Specific Cause Found (14),Weather (12),Animal (10),Equipment Failure (8),Public Damage (1),Bird (1),Unique Incident (1)
RIGA	2024	42	118	42 No Specific Cause Found (12),Equipment Failure (6),Animal (5),Trees (1),Car/Pole Accident (1),Forced Outage/Emergency (1),Transmission/Generation (1),Weather (1)
LAKE LANSING	2020	42	6,176	2,401 Planned/Scheduled (17),Equipment Failure (8),Trees (6),Forced Outage/Emergency (2),Weather (2),Lightning (2),No Specific Cause Found (1),Car/Pole Accident (1),Unique Incident (1),Public Damage (1)
LAKE LANSING	2021	37	4,485	1,907 Planned/Scheduled (10),Equipment Failure (8),Trees (6),Public Damage (4),Unique Incident (4),Weather (3),No Specific Cause Found (1),Lightning (1)
LAKE LANSING	2022	22	15,266	6,848 Trees (6),No Specific Cause Found (5),Lightning (4),Weather (3),Equipment Failure (3),Animal (1)
LAKE LANSING	2023	43	9,140	4,350 Equipment Failure (14),Trees (14),No Specific Cause Found (5),Public Damage (3),Animal (3),Forced Outage/Emergency (2),Unique Incident (1),Lightning (1)
LAKE LANSING	2024	30	2,715	619 Equipment Failure (9),No Specific Cause Found (6),Trees (5),Transmission/Generation (2),Animal (2),Unique Incident (2),Forced Outage/Emergency (2),Weather (1),Public Damage (1)
CONVIS	2020	156	14,274	3,094 Trees (55),Weather (21),No Specific Cause Found (19),Equipment Failure (16),Animal (15),Trees - Outside ROW (7),Lightning (7),Bird (4),Planned/Scheduled (3),Car/Pole Accident (3),Unique Incident (3),Public Damage (2),Forced Outage/Emergency (1)
CONVIS	2021	125	8,450	3,163 Trees (36),Equipment Failure (23),Animal (16),No Specific Cause Found (15),Planned/Scheduled (10),Weather (5),Trees - Outside ROW (5),Lightning (4),Unique Incident (4),Bird (4),Public Damage (2),Car/Pole Accident (1)

CONVIS	2022	145	9,066	3,379	Equipment Failure (24),No Specific Cause Found (24),Trees (19),Trees - Outside ROW (19),Animal (17),Weather (15),Public Damage (7),Unique Incident (7),Lightning (4),Bird (3),Car/Pole Accident (3),Public Tree Trimming (1),Transmission/Generation (1),Forced Outage/Emergency (1)
CONVIS	2023	94	8,688	3,246	Trees (20),Equipment Failure (15),No Specific Cause Found (14),Trees - Outside ROW (14),Animal (13),Weather (5),Bird (5),Forced Outage/Emergency (2),Public Tree Trimming (2),Unique Incident (2),Car/Pole Accident (1),Lightning (1)
CONVIS	2024	163	9,873	4,989	Trees (44),Animal (38),Weather (28),No Specific Cause Found (17),Trees - Outside ROW (14),Equipment Failure (10),Bird (8),Forced Outage/Emergency (2),Unique Incident (1),Car/Pole Accident (1)
EDMORE	2020	72	4,906	3,408	Trees (20),Equipment Failure (18),Transmission/Generation (11),Planned/Scheduled (8),Animal (4),Forced Outage/Emergency (3),Trees - Outside ROW (2),Bird (2),Public Damage (1),No Specific Cause Found (1),Weather (1),Unique Incident (1)
EDMORE	2021	52	12,405	3,515	Trees (16),Equipment Failure (15),Planned/Scheduled (10),Trees - Outside ROW (2),Unique Incident (2),Weather (2),Lightning (2),Public Damage (2),No Specific Cause Found (1)
EDMORE	2022	41	7,563	2,503	Trees (15),Equipment Failure (5),Weather (5),Lightning (3),Animal (3),Trees - Outside ROW (3),No Specific Cause Found (2),Bird (2),Car/Pole Accident (1),Unique Incident (1)
EDMORE	2023	55	6,164	1,998	Trees (30),Equipment Failure (10),Weather (3),Animal (4),No Specific Cause Found (3),Forced Outage/Emergency (1),Trees - Outside ROW (1),Lightning (1)
EDMORE	2024	30	2,653	1,451	Trees (13),Animal (6),Equipment Failure (3),Forced Outage/Emergency (2),No Specific Cause Found (2),Lightning (1),Unique Incident (1),Car/Pole Accident (1),Trees - Outside ROW (1)
WEST BRANCH	2020	12	246	72	Equipment Failure (6),Trees (3),Planned/Scheduled (2),No Specific Cause Found (1)
WEST BRANCH	2021	24	952	901	Trees (7),Equipment Failure (6),Public Damage (4),Planned/Scheduled (3),Trees - Outside ROW (2),No Specific Cause Found (1),Weather (1)
WEST BRANCH	2022	5	100	9	Equipment Failure (3),Car/Pole Accident (1),Trees - Outside ROW (1)
WEST BRANCH	2023	10	55	15	Equipment Failure (4),Trees (2),Public Damage (1),Weather (1),Animal (1),No Specific Cause Found (1)
WEST BRANCH	2024	15	1,291	786	Trees (5),No Specific Cause Found (3),Unique Incident (3),Lightning (1),Public Damage (1),Equipment Failure (1),Weather (1)
DURAND	2020	54	3,496	899	Equipment Failure (24),Trees (14),Weather (4),Unique Incident (4),Animal (4),Forced Outage/Emergency (2),No Specific Cause Found (1),Planned/Scheduled (1)
DURAND	2021	71	19,441	5,796	Trees (20),Equipment Failure (15),Weather (10),Unique Incident (7),Planned/Scheduled (6),No Specific Cause Found (3),Animal (3),Bird (2),Public Damage (1),Car/Pole Accident (1),Lightning (1),Public Tree Trimming (1),Forced Outage/Emergency (1)
DURAND	2022	33	1,472	459	Equipment Failure (13),Unique Incident (7),Weather (6),Trees (4),Animal (3)
DURAND	2023	29	726	292	Unique Incident (9),Equipment Failure (6),Forced Outage/Emergency (4),Trees (4),No Specific Cause Found (3),Bird (1),Trees - Outside ROW (1),Animal (1)
DURAND	2024	30	9,123	6,258	Trees (12),Equipment Failure (6),Unique Incident (5),No Specific Cause Found (3),Trees - Outside ROW (2),Weather (1),Animal (1)
ST HELEN	2020	75	26,949	7,969	Trees (25),Planned/Scheduled (19),Equipment Failure (15),Forced Outage/Emergency (4),No Specific Cause Found (4),Public Damage (4),Weather (3),Trees - Outside ROW (1),Animal (1)
ST HELEN	2021	61	2,989	723	Trees (22),Equipment Failure (13),Planned/Scheduled (7),No Specific Cause Found (6),Weather (4),Trees - Outside ROW (3),Unique Incident (2),Animal (2),Car/Pole Accident (1),Bird (1)
ST HELEN	2022	49	2,937	896	Trees (28),Equipment Failure (10),Weather (3),Forced Outage/Emergency (3),No Specific Cause Found (2),Animal (2),Trees - Outside ROW (1)
ST HELEN	2023	16	591	209	Trees (8),Equipment Failure (4),Weather (1),Public Damage (1),Animal (1),Unique Incident (1)
ST HELEN	2024	42	7,636	3,159	Equipment Failure (16),Trees (11),No Specific Cause Found (4),Weather (3),Trees - Outside ROW (3),Unique Incident (2),Animal (2),Forced Outage/Emergency (1)
BLACK RIVER	2020	57	6,189	2,521	Equipment Failure (18),Trees (14),Animal (6),No Specific Cause Found (5),Weather (2),Trees - Outside ROW (2),Public Damage (2),Planned/Scheduled (2),Forced Outage/Emergency (2),Unique Incident (2),Lightning (1),Car/Pole Accident (1)
BLACK RIVER	2021	68	10,401	2,379	Equipment Failure (22),No Specific Cause Found (9),Planned/Scheduled (8),Trees (8),Animal (7),Trees - Outside ROW (6),Weather (2),Lightning (2),Bird (1),Public Damage (1),Unique Incident (1),Forced Outage/Emergency (1)
BLACK RIVER	2022	46	12,522	3,220	Equipment Failure (19),Animal (7),Trees (6),Unique Incident (5),No Specific Cause Found (3),Trees - Outside ROW (2),Lightning (1),Public Tree Trimming (1),Transmission/Generation (1),Weather (1)
BLACK RIVER	2023	34	719	135	Equipment Failure (8),No Specific Cause Found (7),Animal (5),Trees (5),Weather (3),Unique Incident (3),Forced Outage/Emergency (1),Car/Pole Accident (1),Public Damage (1)
BLACK RIVER	2024	42	3,980	4,222	Animal (11),Equipment Failure (11),No Specific Cause Found (9),Trees (4),Car/Pole Accident (3),Trees - Outside ROW (2),Weather (1),Public Damage (1)
PHILLIPS	2020	106	17,065	7,205	Planned/Scheduled (25),Equipment Failure (23),Trees (20),Car/Pole Accident (9),Weather (8),Animal (8),No Specific Cause Found (6),Trees - Outside ROW (3),Public Damage (2),Unique Incident (2)
PHILLIPS	2021	121	16,094	3,692	Trees (43),Planned/Scheduled (21),Equipment Failure (21),Weather (12),Car/Pole Accident (6),No Specific Cause Found (5),Forced Outage/Emergency (4),Unique Incident (4),Lightning (2),Animal (1),Trees - Outside ROW (1),Public Damage (1)
PHILLIPS	2022	61	14,515	6,299	Trees (14),No Specific Cause Found (10),Equipment Failure (9),Weather (8),Unique Incident (8),Animal (3),Car/Pole Accident (3),Trees - Outside ROW (3),Forced Outage/Emergency (2),Lightning (1)
PHILLIPS	2023	56	6,011	2,851	Weather (16),Trees (16),Forced Outage/Emergency (6),Equipment Failure (6),Unique Incident (4),No Specific Cause Found (3),Animal (2),Lightning (1),Trees - Outside ROW (1),Car/Pole Accident (1)
PHILLIPS	2024	62	6,247	2,684	Trees (24),Equipment Failure (8),Weather (7),No Specific Cause Found (7),Animal (5),Trees - Outside ROW (4),Forced Outage/Emergency (3),Unique Incident (2),Public Damage (1),Car/Pole Accident (1)
SUMMIT	2020	63	3,702	1,249	Trees (23),No Specific Cause Found (10),Planned/Scheduled (9),Equipment Failure (8),Weather (3),Unique Incident (3),Forced Outage/Emergency (2),Trees - Outside ROW (2),Car/Pole Accident (2),Public Damage (1)
SUMMIT	2021	77	7,354	1,838	Equipment Failure (24),Weather (12),Trees (19),Planned/Scheduled (8),Unique Incident (8),Forced Outage/Emergency (7),Car/Pole Accident (3),No Specific Cause Found (3),Transmission/Generation (1),Animal (1)
SUMMIT	2022	59	3,363	2,714	Equipment Failure (21),Trees (19),No Specific Cause Found (6),Unique Incident (4),Weather (3),Forced Outage/Emergency (3),Animal (2),Trees - Outside ROW (1),Car/Pole Accident (1)
SUMMIT	2023	64	5,735	2,887	Weather (20),Trees (16),Equipment Failure (12),Animal (7),No Specific Cause Found (7),Unique Incident (1),Forced Outage/Emergency (1)
SUMMIT	2024	45	3,321	1,688	No Specific Cause Found (11),Trees (7),Equipment Failure (7),Forced Outage/Emergency (6),Animal (4),Public Damage (3),Car/Pole Accident (2),Weather (2),Unique Incident (2),Trees - Outside ROW (1)
PATERSON	2020	30	1,162	689	Trees (11),Weather (6),Planned/Scheduled (4),Equipment Failure (3),No Specific Cause Found (2),Forced Outage/Emergency (2),Lightning (1),Animal (1)
PATERSON	2021	42	6,972	2,474	Planned/Scheduled (16),Trees (7),Forced Outage/Emergency (5),No Specific Cause Found (3),Equipment Failure (3),Animal (3),Weather (3),Bird (1),Public Damage (1)
PATERSON	2022	13	1,919	163	Equipment Failure (6),Trees (4),Trees - Outside ROW (1),Weather (1),Animal (1)
PATERSON	2023	18	1,501	1,059	Trees (8),Equipment Failure (3),Bird (2),Unique Incident (2),Car/Pole Accident (1),Animal (1),No Specific Cause Found (1)
PATERSON	2024	16	2,516	609	Equipment Failure (3),No Specific Cause Found (2),Animal (2),Forced Outage/Emergency (2),Weather (1),Trees - Outside ROW (1),Unique Incident (1),Trees (1),Car/Pole Accident (1),Public Tree Trimming (1),Bird (1)
BEERS	2020	47	4,183	1,724	Equipment Failure (15),Animal (7),Planned/Scheduled (6),Forced Outage/Emergency (4),Trees (4),No Specific Cause Found (3),Unique Incident (3),Weather (2),Car/Pole Accident (1),Bird (1),Public Damage (1)
BEERS	2021	54	11,238	4,204	Equipment Failure (15),Trees (12),Planned/Scheduled (9),Forced Outage/Emergency (6),Weather (4),Car/Pole Accident (2),No Specific Cause Found (2),Bird (2),Trees - Outside ROW (1),Animal (1)
BEERS	2022	37	8,892	3,847	Equipment Failure (11),Animal (6),Forced Outage/Emergency (4),No Specific Cause Found (4),Weather (3),Unique Incident (3),Trees (2),Lightning (1),Transmission/Generation (1),Public Damage (1),Car/Pole Accident (1)
BEERS	2023	34	2,956	486	Equipment Failure (13),Trees (7),Weather (4),No Specific Cause Found (4),Animal (2),Lightning (2),Trees - Outside ROW (1),Bird (1)
BEERS	2024	37	17,971	2,857	Trees (10),Weather (9),Equipment Failure (7),No Specific Cause Found (5),Unique Incident (1),Public Damage (1),Bird (1),Forced Outage/Emergency (1),Lightning (1),Animal (1)
STATE STREET	2020	103	4,322	1,842	Trees (35),Planned/Scheduled (17),Forced Outage/Emergency (15),Equipment Failure (11),Car/Pole Accident (6),Trees - Outside ROW (4),Animal (4),Weather (3),No Specific Cause Found (3),Public Damage (1)
STATE STREET	2021	88	3,544	1,342	Trees (36),Planned/Scheduled (15),Equipment Failure (11),Unique Incident (6),Forced Outage/Emergency (6),Weather (5),No Specific Cause Found (4),Animal (2),Public Tree Trimming (1),Car/Pole Accident (1),Trees - Outside ROW (1)
STATE STREET	2022	52	3,978	2,175	Trees (20),Weather (11),Equipment Failure (6),Forced Outage/Emergency (6),No Specific Cause Found (3),Trees - Outside ROW (2),Animal (2),Car/Pole Accident (1),Unique Incident (1)
STATE STREET	2023	44	40,981	8,007	Trees (16),Equipment Failure (11),Weather (5),Unique Incident (4),No Specific Cause Found (2),Forced Outage/Emergency (2),Animal (2),Trees - Outside ROW (2)
STATE STREET	2024	48	3,866	1,039	Trees (22),Car/Pole Accident (6),Equipment Failure (5),Weather (5),No Specific Cause Found (5),Animal (2),Public Damage (1),Unique Incident (1),Forced Outage/Emergency (1)
WILDWOOD	2020	42	5,148	4,779	Planned/Scheduled (14),Equipment Failure (10),Trees (9),No Specific Cause Found (3),Weather (2),Car/Pole Accident (2),Animal (1),Forced Outage/Emergency (1)
WILDWOOD	2021	44	6,803	4,242	Planned/Scheduled (13),Equipment Failure (10),Trees (7),Weather (3),Forced Outage/Emergency (3),Unique Incident (2),Lightning (2),Car/Pole Accident (1),Public Damage (1),Public Tree Trimming (1),No Specific Cause Found (1)
WILDWOOD	2022	36	15,345	5,246	Trees (13),Equipment Failure (8),Car/Pole Accident (4),No Specific Cause Found (4),Weather (3),Unique Incident (2),Forced Outage/Emergency (1),Trees - Outside ROW (1)
WILDWOOD	2023	42	5,067	1,434	Trees (11),No Specific Cause Found (10),Equipment Failure (7),Weather (6),Forced Outage/Emergency (3),Animal (2),Unique Incident (2),Lightning (1)
WILDWOOD	2024	22	993	219	Equipment Failure (5),No Specific Cause Found (5),Animal (4),Trees (3),Unique Incident (3),Forced Outage/Emergency (2)
GOGUAC	2020	70	6,100	2,504	Trees (18),Equipment Failure (17),Weather (15),Planned/Scheduled (8),Animal (3),Car/Pole Accident (2),No Specific Cause Found (2),Public Damage (1),Bird (1),Lightning (1),Forced Outage/Emergency (1),Unique Incident (1)
GOGUAC	2021	56	3,621	1,230	Equipment Failure (19),Trees (11),Animal (5),No Specific Cause Found (5),Unique Incident (3),Weather (3),Planned/Scheduled (3),Forced Outage/Emergency (2),Trees - Outside ROW (1),Car/Pole Accident (1),Public Tree Trimming (1),Bird (1)
GOGUAC	2022	37	10,327	1,521	Equipment Failure (11),Trees (1),No Specific Cause Found (5),Unique Incident (3),Weather (3),Trees - Outside ROW (3),Animal (1),Car/Pole Accident (1),Public Damage (1),Forced Outage/Emergency (1),Bird (1)
GOGUAC	2023	37	17,971	1,534	Equipment Failure (1),Trees (1),No Specific Cause Found (2),Unique Incident (1),Public Damage (1),Bird (1),No Specific Cause Found (1)
GOGUAC	2024	26	1,663	1,568	Weather (7),No Specific Cause Found (5),Forced Outage/Emergency (4),Trees (3),Equipment Failure (3),Trees - Outside ROW (2),Car/Pole Accident (1),Animal (1)
COWAN LAKE	2020	92	19,626	6,967	Trees (22),Equipment Failure (20),Trees - Outside ROW (11),Animal (10),Weather (10),No Specific Cause Found (8),Bird (3),Unique Incident (3),Planned/Scheduled (3),Lightning (2)
COWAN LAKE	2021	82	8,181	4,047	Trees (27),Equipment Failure (15),Animal (11),Planned/Scheduled (9),No Specific Cause Found (7),Public Damage (4),Trees - Outside ROW (3),Weather (2),Unique Incident (2),Bird (1),Lightning (1)
COWAN LAKE	2022	77	15,979	3,733	Trees (21),Equipment Failure (16),Animal (14),Trees - Outside ROW (11),No Specific Cause Found (6),Forced Outage/Emergency (2),Unique Incident (2),Weather (2),Public Damage (2),Lightning (1)
COWAN LAKE	2023	161	29,628	7,155	Trees (60),Weather (23),No Specific Cause Found (22),Equipment Failure (16),Trees - Outside ROW (13),Animal (12),Unique Incident (7),Public Damage (4),Lightning (2),Forced Outage/Emergency (1),Bird (1)
COWAN LAKE	2024	95	5,055	3,073	Trees (31),Animal (22),No Specific Cause Found (14),Equipment Failure (9),Weather (5),Lightning (3),Trees - Outside ROW (3),Forced Outage/Emergency (3),Public Damage (2),Unique Incident (2),Bird (1)
CARSON CITY	2020	79	7,931	2,399	Trees (25),Equipment Failure (14),No Specific Cause Found (11),Weather (6),Planned/Scheduled (6),Animal (5),Bird (3),Trees - Outside ROW (3),Forced Outage/Emergency (3),Car/Pole Accident (2),Unique Incident (1)
CARSON CITY	2021	76	5,081	1,504	Trees (29),Equipment Failure (12),No Specific Cause Found (9),Weather (8),Planned/Scheduled (4),Lightning (3),Unique Incident (2),Trees - Outside ROW (2),Car/Pole Accident (2),Animal (2),Bird (2),Public Tree Trimming (1)
CARSON CITY	2022	93	5,584	2,112	Trees (31),No Specific Cause Found (24),Equipment Failure (21),Weather (6),Lightning (3),Trees - Outside ROW (3),Animal (2),Forced Outage/Emergency (1),Car/Pole Accident (1),Public Damage (1)
CARSON CITY	2023	65	2,953	1,018	Trees (21),No Specific Cause Found (13),Equipment Failure (12),Lightning (4),Weather (4),Unique Incident (4),Trees - Outside ROW (3),Bird (1),Car/Pole Accident (1),Animal (1),Forced Outage/Emergency (1)
CARSON CITY	2024	47	1,771	618	No Specific Cause Found (15),Animal (8),Trees (7),Equipment Failure (6),Unique Incident (3),Trees - Outside ROW (3),Forced Outage/Emergency (1),Public Damage (1),Car/Pole Accident (1),Weather (1),Bird (1)
CALKINS	2020	41	3,656	2,107	Equipment Failure (14),Planned/Scheduled (8),Trees (5),Forced Outage/Emergency (4),No Specific Cause Found (3),Unique Incident (2),Car/Pole Accident (2),Animal (1),Bird (1),Public Damage (1)
CALKINS	2021	54	2,336	366	Planned/Scheduled (17),Trees (16),Equipment Failure (6),Weather (4),Forced Outage/Emergency (4),Unique Incident (4),No Specific Cause Found (2),Car/Pole Accident (1)
CALKINS	2022	36	1,964	1,430	Car/Pole Accident (19),Equipment Failure (6),Trees (6),Weather (2),Forced Outage/Emergency (2),Animal (1),Trees - Outside ROW (1)
CALKINS	2023	33	8,529	2,353	Equipment Failure (12),Trees (9),Animal (3),Car/Pole Accident (2),No Specific Cause Found (2),Forced Outage/Emergency (2),Unique Incident (1),Weather (1),Trees - Outside ROW (1)
CALKINS	2024	43	1,073	254	Trees (11),No Specific Cause Found (9),Equipment Failure (7),Weather (7),Forced Outage/Emergency (6),Public Damage (2),Car/Pole Accident (1)
MIDDLETON	2020	72	7,102	2,758	Trees (19),Equipment Failure (13),Planned/Scheduled (10),Forced Outage/Emergency (10),Weather (6),No Specific Cause Found (5),Animal (4),Car/Pole Accident (3),Public Damage (1),Unique Incident (1)
MIDDLETON	2021	59	2,227	1,263	Planned/Scheduled (22),Trees (10),Equipment Failure (9),Unique Incident (8),Forced Outage/Emergency (3),No Specific Cause Found (2),Lightning (1),Public Tree Trimming (1),Trees - Outside ROW (1),Car/Pole Accident (1),Animal (1)
MIDDLETON	2022	37	5,796	1,460	Equipment Failure (13),Trees (9),Weather (6),Animal (3),Unique Incident (2),Lightning (1),No Specific Cause Found (1),Forced Outage/Emergency (1),Public Damage (1)
MIDDLETON	2023	28	2,067	627	Trees (12),Equipment Failure (10),No Specific Cause Found (2),Animal (1),Bird (1),Car/Pole Accident (1),Weather (1)
MIDDLETON	2024	37	2,072	630	Equipment Failure (10),No Specific Cause Found (9),Trees (6),Unique Incident (3),Animal (2),Lightning (2),Forced Outage/Emergency (2),Weather (2),Trees - Outside ROW (1)

ALLENDALE	2020	45	30,895	3,673	Trees (18),Equipment Failure (13),Planned/Scheduled (7),No Specific Cause Found (3),Animal (2),Public Damage (1),Weather (1)
ALLENDALE	2021	49	3,213	1,393	Trees (14),Equipment Failure (10),No Specific Cause Found (8),Planned/Scheduled (4),Weather (4),Trees - Outside ROW (2),Animal (2),Public Damage (2),Forced Outage/Emergency (1),Unique Incident (1),Lightning (1)
ALLENDALE	2022	71	10,910	5,056	Equipment Failure (19),Trees (16),Transmission/Generation (11),No Specific Cause Found (10),Trees - Outside ROW (4),Forced Outage/Emergency (3),Weather (3),Animal (2),Unique Incident (2),Public Damage (1)
ALLENDALE	2023	47	9,031	3,456	Equipment Failure (16),Trees (15),No Specific Cause Found (4),Forced Outage/Emergency (3),Public Damage (2),Animal (2),Lightning (2),Public Tree Trimming (1),Weather (1),Trees - Outside ROW (1)
ALLENDALE	2024	55	1,943	1,035	Trees (22),No Specific Cause Found (7),Animal (5),Equipment Failure (5),Weather (3),Car/Pole Accident (3),Forced Outage/Emergency (3),Public Damage (2),Trees - Outside ROW (2),Unique Incident (2),Bird (1)
AGNEW	2020	53	4,219	2,040	Trees (14),Equipment Failure (10),No Specific Cause Found (10),Planned/Scheduled (9),Animal (3),Weather (3),Trees - Outside ROW (2),Forced Outage/Emergency (1),Public Damage (1)
AGNEW	2021	58	7,710	2,436	Trees (13),Equipment Failure (12),Weather (7),Planned/Scheduled (6),Trees - Outside ROW (3),Animal (3),Lightning (3),No Specific Cause Found (3),Car/Pole Accident (2)
AGNEW	2022	43	5,768	2,274	No Specific Cause Found (12),Equipment Failure (10),Trees (9),Weather (4),Animal (4),Bird (2),Trees - Outside ROW (1),Unique Incident (1)
AGNEW	2023	45	4,335	2,531	Trees (12),Equipment Failure (11),No Specific Cause Found (10),Animal (3),Weather (3),Car/Pole Accident (2),Public Damage (1),Lightning (1),Transmission/Generation (1),Trees - Outside ROW (1)
AGNEW	2024	65	11,468	4,311	Trees (23),Equipment Failure (13),No Specific Cause Found (9),Weather (5),Trees - Outside ROW (4),Animal (4),Forced Outage/Emergency (3),Unique Incident (1),Public Tree Trimming (1),Bird (1),Public Damage (1)
COOPER	2020	52	9,888	2,180	Trees (23),Equipment Failure (8),Planned/Scheduled (8),No Specific Cause Found (3),Car/Pole Accident (2),Weather (2),Trees - Outside ROW (2),Public Damage (2),Forced Outage/Emergency (1),Unique Incident (1)
COOPER	2021	79	13,455	4,862	Trees (32),Equipment Failure (16),Planned/Scheduled (6),Weather (5),Unique Incident (5),Animal (4),Trees - Outside ROW (4),Lightning (3),No Specific Cause Found (2),Public Tree Trimming (1),Car/Pole Accident (1)
COOPER	2022	43	6,881	1,762	Trees (20),No Specific Cause Found (7),Weather (4),Equipment Failure (4),Forced Outage/Emergency (2),Trees - Outside ROW (2),Animal (1),Unique Incident (1),Public Damage (1),Bird (1)
COOPER	2023	51	4,918	2,647	Trees (22),Equipment Failure (9),Weather (5),Animal (3),Forced Outage/Emergency (2),Public Damage (2),No Specific Cause Found (2),Trees - Outside ROW (2),Unique Incident (2),Lightning (2)
COOPER	2024	48	3,101	1,726	Trees (13),No Specific Cause Found (11),Equipment Failure (9),Trees - Outside ROW (6),Animal (4),Unique Incident (3),Lightning (1),Public Tree Trimming (1)
BRONSON	2020	59	7,758	2,072	Trees (19),Weather (11),Equipment Failure (11),Planned/Scheduled (4),No Specific Cause Found (3),Forced Outage/Emergency (3),Lightning (2),Unique Incident (2),Trees - Outside ROW (2),Car/Pole Accident (1),Bird (1)
BRONSON	2021	44	2,405	1,921	Weather (9),Trees (8),Equipment Failure (7),Car/Pole Accident (4),Lightning (4),Planned/Scheduled (4),Unique Incident (3),Public Damage (2),Trees - Outside ROW (1),Bird (1),No Specific Cause Found (1)
BRONSON	2022	21	2,986	793	Equipment Failure (10),Weather (3),Animal (2),No Specific Cause Found (2),Lightning (1),Public Damage (1),Trees (1),Unique Incident (1)
BRONSON	2023	17	588	452	Equipment Failure (5),No Specific Cause Found (4),Bird (2),Car/Pole Accident (1),Unique Incident (1),Weather (1),Trees - Outside ROW (1),Lightning (1),Forced Outage/Emergency (1)
BRONSON	2024	19	2,743	1,349	Trees (4),Equipment Failure (4),Car/Pole Accident (3),Weather (2),Unique Incident (2),No Specific Cause Found (2),Lightning (1),Animal (1)
MENDON	2020	131	12,534	2,897	Trees (24),Equipment Failure (24),No Specific Cause Found (17),Trees - Outside ROW (15),Weather (12),Animal (6),Planned/Scheduled (6),Lightning (6),Bird (5),Unique Incident (3),Public Damage (2),Car/Pole Accident (2),Public Tree Trimming (1)
MENDON	2021	142	18,590	4,035	Trees (35),Equipment Failure (27),Weather (21),Trees - Outside ROW (15),No Specific Cause Found (14),Planned/Scheduled (11),Lightning (9),Bird (4),Animal (2),Unique Incident (2),Public Damage (1),Car/Pole Accident (1)
MENDON	2022	135	19,204	6,257	No Specific Cause Found (33),Equipment Failure (20),Weather (19),Lightning (18),Trees (9),Animal (8),Unique Incident (8),Bird (7),Trees - Outside ROW (5),Transmission/Generation (3),Car/Pole Accident (3),Forced Outage/Emergency (1),Public Damage (1)
MENDON	2023	84	9,351	3,276	No Specific Cause Found (22),Trees (20),Equipment Failure (15),Lightning (7),Trees - Outside ROW (6),Weather (5),Animal (5),Car/Pole Accident (3),Unique Incident (1)
MENDON	2024	157	13,603	3,114	No Specific Cause Found (39),Trees (36),Weather (23),Equipment Failure (20),Animal (10),Trees - Outside ROW (7),Lightning (6),Car/Pole Accident (5),Forced Outage/Emergency (4),Public Damage (3),Unique Incident (3),Bird (1)
NEFF ROAD	2020	101	9,416	2,231	Trees (21),Planned/Scheduled (16),Equipment Failure (16),Animal (15),Forced Outage/Emergency (9),Weather (9),No Specific Cause Found (5),Unique Incident (3),Public Damage (3),Lightning (1),Car/Pole Accident (1),Bird (1),Trees - Outside ROW (1)
NEFF ROAD	2021	115	39,186	7,754	Trees (31),Equipment Failure (20),Weather (13),Planned/Scheduled (12),Animal (11),No Specific Cause Found (8),Unique Incident (7),Forced Outage/Emergency (7),Bird (2),Public Damage (1),Trees - Outside ROW (1),Car/Pole Accident (1),Lightning (1)
NEFF ROAD	2022	86	18,883	4,188	Trees (27),Equipment Failure (22),Animal (11),Forced Outage/Emergency (8),Weather (7),No Specific Cause Found (6),Unique Incident (3),Lightning (1),Bird (1)
NEFF ROAD	2023	88	10,949	3,322	Weather (23),Equipment Failure (17),Trees (14),No Specific Cause Found (13),Animal (10),Bird (3),Public Damage (2),Car/Pole Accident (2),Public Tree Trimming (2),Unique Incident (2)
NEFF ROAD	2024	89	3,564	688	Trees (32),Animal (20),Equipment Failure (14),No Specific Cause Found (10),Weather (7),Forced Outage/Emergency (2),Bird (2),Unique Incident (1),Car/Pole Accident (1)
BEALS ROAD	2020	123	5,944	1,971	Trees (29),Equipment Failure (23),Animal (22),Planned/Scheduled (19),No Specific Cause Found (11),Forced Outage/Emergency (8),Car/Pole Accident (4),Public Tree Trimming (2),Public Damage (2),Weather (2),Bird (1)
BEALS ROAD	2021	123	8,799	6,334	Animal (27),Trees (24),Equipment Failure (23),Planned/Scheduled (20),No Specific Cause Found (6),Public Damage (4),Forced Outage/Emergency (4),Weather (4),Trees - Outside ROW (4),Unique Incident (3),Bird (2),Car/Pole Accident (1),Lightning (1)
BEALS ROAD	2022	107	14,330	6,293	Animal (31),Trees (25),Equipment Failure (22),No Specific Cause Found (8),Forced Outage/Emergency (7),Car/Pole Accident (5),Weather (4),Unique Incident (2),Transmission/Generation (1),Public Tree Trimming (1),Public Damage (1)
BEALS ROAD	2023	65	9,315	5,425	Animal (34),Equipment Failure (14),No Specific Cause Found (19),Trees (16),Unique Incident (9),Weather (5),Forced Outage/Emergency (4),Car/Pole Accident (3),Public Damage (2),Trees - Outside ROW (1),Unique Incident (1)
BEALS ROAD	2024	118	12,286	6,612	Animal (35),Equipment Failure (24),No Specific Cause Found (15),Weather (11),Trees (10),Forced Outage/Emergency (8),Unique Incident (5),Bird (3),Car/Pole Accident (3),Lightning (2),Public Tree Trimming (1),Trees - Outside ROW (1)
CASINO	2020	44	2,487	960	Trees (17),Forced Outage/Emergency (6),Equipment Failure (6),Car/Pole Accident (4),Planned/Scheduled (3),Unique Incident (3),Public Damage (1),Trees - Outside ROW (1),Animal (1),Weather (1),No Specific Cause Found (1)
CASINO	2021	40	7,614	3,394	Equipment Failure (9),Trees (8),Weather (7),Planned/Scheduled (5),Unique Incident (3),Animal (2),Trees - Outside ROW (2),Car/Pole Accident (1),Public Damage (1),Public Tree Trimming (1),No Specific Cause Found (1)
CASINO	2022	22	3,011	1,714	Trees (7),Equipment Failure (6),No Specific Cause Found (3),Car/Pole Accident (3),Weather (1),Animal (1),Trees - Outside ROW (1)
CASINO	2023	25	623	447	Trees (10),Equipment Failure (7),No Specific Cause Found (2),Weather (2),Animal (1),Trees - Outside ROW (1),Lightning (1),Unique Incident (1)
CASINO	2024	43	1,643	803	Trees (15),Equipment Failure (11),No Specific Cause Found (7),Forced Outage/Emergency (4),Trees - Outside ROW (3),Weather (2),Bird (1)
LAKE MITCHELL	2020	66	5,259	2,057	Equipment Failure (17),Planned/Scheduled (16),Trees (6),Trees - Outside ROW (6),Lightning (5),Unique Incident (5),No Specific Cause Found (3),Car/Pole Accident (3),Weather (2),Forced Outage/Emergency (2),Bird (1)
LAKE MITCHELL	2021	57	7,653	2,289	Planned/Scheduled (12),Equipment Failure (12),No Specific Cause Found (7),Trees (6),Trees - Outside ROW (5),Unique Incident (4),Forced Outage/Emergency (3),Weather (3),Animal (2),Car/Pole Accident (2),Public Damage (1)
LAKE MITCHELL	2022	39	10,454	4,598	Trees - Outside ROW (11),Trees (7),Equipment Failure (6),Unique Incident (5),Weather (3),Animal (2),No Specific Cause Found (2),Forced Outage/Emergency (1),Public Damage (1),Car/Pole Accident (1)
LAKE MITCHELL	2023	39	3,891	1,626	Equipment Failure (11),Unique Incident (8),No Specific Cause Found (5),Car/Pole Accident (4),Trees - Outside ROW (3),Trees (3),Weather (2),Lightning (2),Forced Outage/Emergency (1)
LAKE MITCHELL	2024	36	4,482	1,006	Trees - Outside ROW (10),Equipment Failure (7),Trees (5),No Specific Cause Found (3),Animal (3),Lightning (3),Unique Incident (2),Forced Outage/Emergency (1),Car/Pole Accident (1),Public Damage (1)
DOEHLER JARVIS	2020	87	20,161	5,912	Animal (20),Trees (15),Equipment Failure (15),No Specific Cause Found (9),Planned/Scheduled (7),Car/Pole Accident (3),Unique Incident (6),Weather (5),Forced Outage/Emergency (2),Trees - Outside ROW (1),Public Damage (1)
DOEHLER JARVIS	2021	127	4,386	2,161	Animal (26),Planned/Scheduled (24),Trees (18),Weather (18),Equipment Failure (17),Unique Incident (7),Forced Outage/Emergency (7),No Specific Cause Found (4),Car/Pole Accident (4),Public Damage (2)
DOEHLER JARVIS	2022	119	17,750	10,615	Animal (41),Equipment Failure (19),No Specific Cause Found (19),Trees (16),Unique Incident (9),Weather (5),Forced Outage/Emergency (4),Car/Pole Accident (3),Public Damage (2),Trees - Outside ROW (1),Public Tree Trimming (1),Transmission/Generation (1)
DOEHLER JARVIS	2023	90	29,651	11,975	Animal (24),Trees (19),Equipment Failure (15),Weather (8),No Specific Cause Found (6),Car/Pole Accident (4),Lightning (3),Forced Outage/Emergency (3),Unique Incident (3),Trees - Outside ROW (2),Bird (1),Transmission/Generation (1),Public Damage (1)
DOEHLER JARVIS	2024	103	10,647	5,124	Trees (33),Animal (19),No Specific Cause Found (13),Equipment Failure (12),Weather (7),Forced Outage/Emergency (7),Trees - Outside ROW (4),Unique Incident (4),Bird (1),Public Damage (1),Car/Pole Accident (1),Public Tree Trimming (1)
MCRAIN	2020	80	6,739	2,100	Equipment Failure (19),Trees - Outside ROW (12),Trees (11),No Specific Cause Found (8),Planned/Scheduled (7),Weather (6),Animal (5),Unique Incident (4),Lightning (2),Public Tree Trimming (2),Car/Pole Accident (2),Forced Outage/Emergency (1),Public Damage (1)
MCRAIN	2021	90	10,129	4,840	Trees (23),Equipment Failure (23),Weather (9),Unique Incident (9),Trees - Outside ROW (8),Lightning (4),No Specific Cause Found (4),Animal (3),Planned/Scheduled (2),Public Damage (1),Public Tree Trimming (1),Forced Outage/Emergency (1),Car/Pole Accident (1),Bird (1)
MCRAIN	2022	66	7,214	3,451	Equipment Failure (24),Trees (13),No Specific Cause Found (7),Unique Incident (6),Trees - Outside ROW (5),Animal (5),Public Damage (3),Lightning (2),Bird (1)
MCRAIN	2023	60	3,951	1,220	Equipment Failure (14),Trees - Outside ROW (12),Lightning (8),No Specific Cause Found (8),Weather (7),Trees (4),Unique Incident (3),Animal (2),Bird (1),Forced Outage/Emergency (1)
MCRAIN	2024	80	6,837	2,411	Equipment Failure (25),Trees - Outside ROW (9),No Specific Cause Found (9),Lightning (8),Trees (8),Unique Incident (5),Public Tree Trimming (4),Animal (4),Public Damage (4),Weather (3),Bird (1)
AUSTIN	2020	43	4,655	3,972	Trees (12),Planned/Scheduled (11),Equipment Failure (6),Weather (4),Transmission/Generation (3),Unique Incident (2),Animal (2),Car/Pole Accident (1),Public Damage (1),No Specific Cause Found (1)
AUSTIN	2021	50	4,736	4,205	Trees (15),Equipment Failure (12),Planned/Scheduled (7),Trees - Outside ROW (5),Car/Pole Accident (3),Animal (2),Weather (2),Unique Incident (2),Forced Outage/Emergency (2),No Specific Cause Found (1),Lightning (1)
AUSTIN	2022	29	2,972	914	Trees (10),Weather (5),Equipment Failure (5),Car/Pole Accident (3),Animal (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Public Damage (1),No Specific Cause Found (1)
AUSTIN	2023	32	1,684	1,156	Trees (9),No Specific Cause Found (6),Animal (4),Trees - Outside ROW (4),Unique Incident (4),Equipment Failure (2),Public Damage (1),Weather (1),Forced Outage/Emergency (1)
AUSTIN	2024	37	5,700	3,659	Trees (13),Animal (7),Weather (5),Trees - Outside ROW (3),No Specific Cause Found (3),Equipment Failure (3),Bird (1),Unique Incident (1),Car/Pole Accident (1)
PORTAGE	2020	56	10,121	6,732	Equipment Failure (13),Trees (13),Planned/Scheduled (7),No Specific Cause Found (6),Weather (5),Transmission/Generation (5),Forced Outage/Emergency (2),Public Damage (2),Animal (1),Trees - Outside ROW (1),Unique Incident (1)
PORTAGE	2021	42	1,745	2,156	Equipment Failure (13),Trees (13),Planned/Scheduled (7),No Specific Cause Found (6),Weather (5),Transmission/Generation (5),Forced Outage/Emergency (2),Public Damage (2),Animal (1),Trees - Outside ROW (1),Unique Incident (1)
PORTAGE	2022	43	3,147	1,073	Trees (12),Equipment Failure (8),Weather (7),Unique Incident (5),No Specific Cause Found (4),Animal (3),Forced Outage/Emergency (2),Trees - Outside ROW (1),Car/Pole Accident (1)
PORTAGE	2023	51	3,131	1,620	Trees (16),Weather (11),Equipment Failure (10),No Specific Cause Found (5),Animal (3),Unique Incident (2),Bird (1),Car/Pole Accident (1),Trees - Outside ROW (1),Lightning (1)
PORTAGE	2024	88	16,830	7,861	Weather (23),Trees (16),No Specific Cause Found (16),Equipment Failure (16),Animal (7),Unique Incident (4),Car/Pole Accident (3),Trees - Outside ROW (3)
MONTROSE	2020	66	1,565	920	Planned/Scheduled (19),Trees (14),Equipment Failure (13),Forced Outage/Emergency (7),Unique Incident (4),Weather (3),Animal (2),Trees - Outside ROW (2),No Specific Cause Found (2)
MONTROSE	2021	99	8,655	1,522	Trees (30),Equipment Failure (30),Planned/Scheduled (10),Weather (6),No Specific Cause Found (5),Unique Incident (5),Forced Outage/Emergency (5),Trees - Outside ROW (3),Public Damage (2),Animal (2),Car/Pole Accident (1)
MONTROSE	2022	83	9,285	3,501	Equipment Failure (22),Trees (21),No Specific Cause Found (14),Weather (9),Forced Outage/Emergency (7),Animal (6),Car/Pole Accident (1),Trees - Outside ROW (1),Bird (1),Unique Incident (1)
MONTROSE	2023	67	2,084	845	Trees (25),Equipment Failure (18),Weather (6),No Specific Cause Found (6),Lightning (5),Animal (4),Forced Outage/Emergency (1),Trees - Outside ROW (1),Unique Incident (1)
MONTROSE	2024	71	14,448	2,458	Trees (24),No Specific Cause Found (11),Equipment Failure (10),Animal (10),Weather (5),Forced Outage/Emergency (3),Unique Incident (3),Lightning (1),Public Tree Trimming (1),Trees - Outside ROW (1),Bird (1),Public Damage (1)
RUTLAND	2020	39	1,849	569	Trees (14),Equipment Failure (9),Planned/Scheduled (6),Lightning (2),No Specific Cause Found (2),Animal (2),Trees - Outside ROW (2),Public Damage (1),Public Tree Trimming (1)
RUTLAND	2021	32	1,190	505	Trees (10),Equipment Failure (8),Weather (3),No Specific Cause Found (3),Trees - Outside ROW (3),Planned/Scheduled (2),Lightning (2),Animal (1)
RUTLAND	2022	38	10,380	1,539	Trees (15),Equipment Failure (10),Animal (6),No Specific Cause Found (3),Weather (2),Lightning (1),Trees - Outside ROW (1)
RUTLAND	2023	26	3,096	605	Trees (13),Equipment Failure (6),Animal (3),Trees - Outside ROW (2),Forced Outage/Emergency (1),No Specific Cause Found (1)
RUTLAND	2024	27	1,817	564	Trees (10),No Specific Cause Found (5),Equipment Failure (4),Forced Outage/Emergency (3),Animal (2),Weather (1),Lightning (1),Trees - Outside ROW (1)
EASTON	2020	110	18,229	7,204	Trees (31),Equipment Failure (25),No Specific Cause Found (18),Animal (9),Planned/Scheduled (9),Weather (4),Public Damage (3),Forced Outage/Emergency (3),Unique Incident (2),Bird (2),Transmission/Generation (2),Trees - Outside ROW (2),Car/Pole Accident (1)
EASTON	2021	97	19,276	7,786	Trees (41),Equipment Failure (15),No Specific Cause Found (15),Animal (7),Trees - Outside ROW (5),Planned/Scheduled (4),Weather (3),Unique Incident (2),Public Damage (1),Car/Pole Accident (1),Public Tree Trimming (1),Forced Outage/Emergency (1),Bird (1)
EASTON	2022	81	21,063	8,616	No Specific Cause Found (30),Trees (17),Equipment Failure (12),Animal (7),Unique Incident (3),Forced Outage/Emergency (3),Public Tree Trimming (3),Bird (2),Lightning (2),Public Damage (1),Car/Pole Accident (1)
EASTON	2023	88	15,155	6,319	No Specific Cause Found (21),Equipment Failure (19),Trees (14),Trees - Outside ROW (8),Animal (7),Weather (6),Unique Incident (4),Bird (3),Lightning (3),Forced Outage/Emergency (2),Transmission/Generation (1)
EASTON	2024	73	21,196	4,367	No Specific Cause Found (29),Animal (15),Equipment Failure (9),Trees (7),Trees - Outside ROW (5),Bird (4),Transmission/Generation (1),Forced Outage/Emergency (1),Public Damage (1),Weather (1)
BITTERSWEET	2020	35	5,691	3,027	Trees (12),Trees - Outside ROW (5),Planned/Scheduled (5),No Specific Cause Found (4),Equipment Failure (4),Car/Pole Accident (1),Transmission/Generation (1),Lightning (1),Weather (1),Forced Outage/Emergency (1)
BITTERSWEET	2021	17	1,572	598	Trees (5),Equipment Failure (4),Trees - Outside ROW (3),Animal (1),Weather (1),No Specific Cause Found (1),Lightning (1),Planned/Scheduled (1)
BITTERSWEET	2022	16	1,997	617	Trees (5),Equipment Failure (3),Weather (3),No Specific Cause Found (2),Lightning (1),Trees - Outside ROW (1),Animal (1)

BITTERSWEET	2023	32	4,517	1,494	Trees (9),Trees - Outside ROW (6),No Specific Cause Found (6),Equipment Failure (5),Weather (3),Forced Outage/Emergency (1),Lightning (1),Animal (1)
BITTERSWEET	2024	30	2,431	1,002	No Specific Cause Found (12),Trees (7),Weather (4),Equipment Failure (4),Trees - Outside ROW (2),Animal (1)
NORTH MUSKOGON	2020	78	8,124	4,198	Animal (20),Trees (17),Equipment Failure (16),No Specific Cause Found (10),Planned/Scheduled (5),Forced Outage/Emergency (2),Bird (2),Public Damage (2),Weather (2),Trees - Outside ROW (1),Lightning (1)
NORTH MUSKOGON	2021	70	3,254	1,215	Trees (16),Animal (16),Trees - Outside ROW (10),Equipment Failure (9),Planned/Scheduled (7),No Specific Cause Found (4),Weather (2),Unique Incident (1),Car/Pole Accident (1)
NORTH MUSKOGON	2022	87	8,839	4,632	Animal (27),Trees (25),Equipment Failure (13),No Specific Cause Found (11),Trees - Outside ROW (4),Weather (3),Forced Outage/Emergency (2),Car/Pole Accident (1),Public Damage (1)
NORTH MUSKOGON	2023	140	14,092	5,243	Trees (49),Animal (34),Equipment Failure (15),No Specific Cause Found (12),Unique Incident (9),Weather (8),Trees - Outside ROW (7),Forced Outage/Emergency (3),Bird (2),Public Damage (1)
NORTH MUSKOGON	2024	154	5,463	3,395	Weather (40),Trees (33),Animal (29),No Specific Cause Found (28),Equipment Failure (11),Trees - Outside ROW (4),Unique Incident (3),Car/Pole Accident (3),Forced Outage/Emergency (3),Bird (2)
ONEKAMA	2020	114	17,396	4,830	Trees (36),Animal (19),Equipment Failure (18),No Specific Cause Found (14),Trees - Outside ROW (9),Forced Outage/Emergency (6),Planned/Scheduled (4),Unique Incident (2),Car/Pole Accident (2),Weather (2),Bird (1),Public Damage (1)
ONEKAMA	2021	123	4,897	1,351	Trees (44),Animal (21),No Specific Cause Found (20),Equipment Failure (12),Planned/Scheduled (12),Weather (6),Unique Incident (3),Trees - Outside ROW (2),Lightning (2),Public Damage (1)
ONEKAMA	2022	114	8,450	2,563	Trees (43),Equipment Failure (19),Animal (19),No Specific Cause Found (12),Trees - Outside ROW (9),Weather (5),Unique Incident (2),Forced Outage/Emergency (2),Car/Pole Accident (1),Lightning (1),Bird (1)
ONEKAMA	2023	95	21,957	6,311	Trees (31),Equipment Failure (15),Animal (15),Trees - Outside ROW (13),No Specific Cause Found (8),Weather (5),Car/Pole Accident (4),Unique Incident (2),Forced Outage/Emergency (1),Public Damage (1)
ONEKAMA	2024	107	6,873	3,263	Trees (41),Animal (19),Equipment Failure (13),Unique Incident (10),Trees - Outside ROW (8),No Specific Cause Found (7),Forced Outage/Emergency (5),Weather (3),Lightning (1)
NASHVILLE	2020	63	1,988	748	Trees (19),Equipment Failure (19),Trees - Outside ROW (6),No Specific Cause Found (6),Animal (3),Weather (3),Lightning (3),Forced Outage/Emergency (2),Car/Pole Accident (1),Public Damage (1)
NASHVILLE	2021	62	4,589	2,749	Trees (28),Equipment Failure (15),Planned/Scheduled (7),No Specific Cause Found (4),Animal (4),Lightning (2),Weather (1),Unique Incident (1)
NASHVILLE	2022	67	20,397	3,834	Equipment Failure (21),Trees (15),Animal (9),Trees - Outside ROW (5),No Specific Cause Found (5),Weather (3),Public Tree Trimming (3),Forced Outage/Emergency (2),Public Damage (1),Lightning (1),Unique Incident (1),Bird (1)
NASHVILLE	2023	72	8,224	2,842	Trees (22),Animal (14),Equipment Failure (11),No Specific Cause Found (10),Lightning (4),Trees - Outside ROW (3),Weather (2),Forced Outage/Emergency (2),Unique Incident (1),Public Damage (1),Bird (1),Car/Pole Accident (1)
NASHVILLE	2024	50	1,676	843	Trees (14),No Specific Cause Found (11),Equipment Failure (9),Animal (7),Forced Outage/Emergency (3),Weather (3),Trees - Outside ROW (1),Unique Incident (1),Car/Pole Accident (1)
GRANT	2020	78	17,394	3,574	Trees (34),Equipment Failure (14),No Specific Cause Found (5),Planned/Scheduled (5),Trees - Outside ROW (4),Unique Incident (4),Forced Outage/Emergency (3),Lightning (3),Weather (2),Animal (2),Public Tree Trimming (2)
GRANT	2021	78	18,697	4,730	Trees (24),Equipment Failure (21),Planned/Scheduled (9),No Specific Cause Found (6),Trees - Outside ROW (6),Lightning (4),Unique Incident (3),Weather (3),Car/Pole Accident (1),Forced Outage/Emergency (1)
GRANT	2022	72	6,253	2,759	Trees (32),Equipment Failure (12),No Specific Cause Found (7),Unique Incident (5),Trees - Outside ROW (5),Animal (4),Car/Pole Accident (2),Weather (2),Forced Outage/Emergency (2),Lightning (1)
GRANT	2023	72	4,260	1,332	Trees (40),Equipment Failure (11),No Specific Cause Found (10),Trees - Outside ROW (4),Weather (3),Unique Incident (3),Public Damage (1)
GRANT	2024	118	8,811	3,198	Trees (62),Equipment Failure (19),No Specific Cause Found (13),Trees - Outside ROW (9),Lightning (5),Weather (4),Forced Outage/Emergency (2),Unique Incident (2),Animal (2)
SALEM	2020	53	3,869	1,115	Trees (20),Equipment Failure (16),No Specific Cause Found (5),Planned/Scheduled (4),Public Damage (2),Weather (2),Trees - Outside ROW (1),Bird (1),Car/Pole Accident (1),Unique Incident (1)
SALEM	2021	57	9,147	1,704	Trees (14),Equipment Failure (12),No Specific Cause Found (10),Planned/Scheduled (6),Weather (5),Lightning (3),Trees - Outside ROW (2),Animal (2),Public Damage (2),Car/Pole Accident (1)
SALEM	2022	45	3,283	1,182	Trees (17),Equipment Failure (8),No Specific Cause Found (8),Lightning (5),Unique Incident (2),Trees - Outside ROW (2),Public Damage (1),Car/Pole Accident (1),Weather (1)
SALEM	2023	54	8,510	3,224	Trees (16),Equipment Failure (9),No Specific Cause Found (9),Weather (7),Unique Incident (4),Trees - Outside ROW (3),Lightning (2),Animal (2),Bird (1),Car/Pole Accident (1)
SALEM	2024	36	4,844	2,611	Equipment Failure (15),Trees (6),No Specific Cause Found (5),Unique Incident (2),Weather (2),Animal (2),Car/Pole Accident (1),Public Damage (1),Trees - Outside ROW (1),Lightning (1)
BRIDGEPORT	2020	59	5,040	1,640	Trees (17),Equipment Failure (12),No Specific Cause Found (6),Planned/Scheduled (5),Forced Outage/Emergency (5),Unique Incident (4),Car/Pole Accident (4),Animal (2),Trees - Outside ROW (2),Bird (2)
BRIDGEPORT	2021	42	1,837	407	Equipment Failure (16),Trees (6),Planned/Scheduled (4),No Specific Cause Found (4),Unique Incident (4),Forced Outage/Emergency (2),Weather (2),Bird (1),Car/Pole Accident (1),Public Damage (1),Trees - Outside ROW (1)
BRIDGEPORT	2022	53	3,248	1,097	Trees (20),Equipment Failure (12),No Specific Cause Found (5),Weather (5),Forced Outage/Emergency (4),Bird (2),Unique Incident (1),Animal (1),Car/Pole Accident (1),Lightning (1),Public Damage (1)
BRIDGEPORT	2023	43	4,794	1,381	Trees (9),Equipment Failure (8),No Specific Cause Found (7),Weather (7),Unique Incident (3),Car/Pole Accident (2),Animal (2),Lightning (1),Trees - Outside ROW (1),Forced Outage/Emergency (1),Public Damage (1),Bird (1)
BRIDGEPORT	2024	46	12,877	5,984	Trees (15),Equipment Failure (10),No Specific Cause Found (6),Forced Outage/Emergency (4),Trees - Outside ROW (3),Weather (3),Animal (2),Car/Pole Accident (2),Unique Incident (1)
OSHTENO	2020	59	6,991	1,925	Planned/Scheduled (19),Equipment Failure (14),Trees (13),Public Damage (4),Trees - Outside ROW (3),Weather (2),Unique Incident (2),Lightning (1),No Specific Cause Found (1)
OSHTENO	2021	60	9,365	3,879	Trees (17),Planned/Scheduled (10),Equipment Failure (10),Weather (7),Trees - Outside ROW (6),Car/Pole Accident (3),No Specific Cause Found (2),Unique Incident (2),Lightning (1),Public Damage (1),Public Tree Trimming (1)
OSHTENO	2022	35	8,114	2,453	Trees (13),Equipment Failure (6),Weather (5),No Specific Cause Found (5),Unique Incident (1)
OSHTENO	2023	181	7,508	1,004	Weather (137),Trees (22),Equipment Failure (11),Trees - Outside ROW (5),No Specific Cause Found (4),Public Damage (1),Lightning (1)
OSHTENO	2024	50	6,176	2,773	Trees (23),Equipment Failure (6),No Specific Cause Found (6),Weather (5),Trees - Outside ROW (4),Lightning (3),Animal (3)
DEWITT	2020	60	7,824	2,446	Trees (23),Equipment Failure (18),Planned/Scheduled (8),No Specific Cause Found (4),Public Damage (2),Animal (2),Lightning (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
DEWITT	2021	91	16,406	5,465	Trees (25),Equipment Failure (22),Planned/Scheduled (19),Animal (1),No Specific Cause Found (5),Trees - Outside ROW (3),Unique Incident (3),Public Damage (1),Weather (1),Public Tree Trimming (1)
DEWITT	2022	61	25,686	6,263	Trees (26),Equipment Failure (19),No Specific Cause Found (5),Animal (3),Unique Incident (3),Weather (2),Car/Pole Accident (2),Lightning (1)
DEWITT	2023	73	7,838	4,942	Equipment Failure (27),Trees (22),Weather (7),Animal (7),No Specific Cause Found (6),Forced Outage/Emergency (1),Trees - Outside ROW (1),Unique Incident (1),Public Damage (1)
DEWITT	2024	67	6,813	4,746	Trees (28),Equipment Failure (14),Animal (10),No Specific Cause Found (7),Weather (4),Unique Incident (2),Forced Outage/Emergency (2)
HANOVER	2020	114	15,420	2,275	Trees (47),Equipment Failure (21),No Specific Cause Found (14),Planned/Scheduled (12),Weather (9),Trees - Outside ROW (6),Unique Incident (2),Animal (2),Public Damage (1)
HANOVER	2021	166	17,014	2,763	Trees (58),Equipment Failure (40),Weather (20),Trees - Outside ROW (19),No Specific Cause Found (12),Animal (5),Forced Outage/Emergency (4),Unique Incident (4),Planned/Scheduled (2),Car/Pole Accident (1),Lightning (1)
HANOVER	2022	100	10,809	4,044	Trees (46),Equipment Failure (22),No Specific Cause Found (19),Weather (6),Animal (4),Lightning (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
HANOVER	2023	110	6,524	1,524	Trees (32),Weather (27),Equipment Failure (21),No Specific Cause Found (17),Animal (6),Trees - Outside ROW (5),Unique Incident (2)
HANOVER	2024	79	10,104	1,996	Trees (22),Weather (13),Equipment Failure (13),No Specific Cause Found (13),Animal (6),Trees - Outside ROW (3),Lightning (2),Unique Incident (2),Forced Outage/Emergency (2),Public Damage (1),Car/Pole Accident (1),Bird (1)
SARANAC	2020	74	9,969	1,790	Equipment Failure (20),Trees (19),No Specific Cause Found (11),Animal (6),Forced Outage/Emergency (5),Unique Incident (3),Public Damage (3),Trees - Outside ROW (3),Planned/Scheduled (2),Lightning (1),Bird (1)
SARANAC	2021	101	8,212	3,398	Trees (33),Equipment Failure (21),No Specific Cause Found (11),Weather (9),Planned/Scheduled (6),Lightning (4),Forced Outage/Emergency (4),Bird (4),Animal (3),Trees - Outside ROW (3),Car/Pole Accident (2),Public Damage (1)
SARANAC	2022	83	7,576	2,161	Trees (26),No Specific Cause Found (21),Equipment Failure (15),Animal (6),Lightning (4),Unique Incident (3),Trees - Outside ROW (3),Car/Pole Accident (2),Weather (1),Forced Outage/Emergency (1),Public Damage (1)
SARANAC	2023	181	33,245	7,376	Trees (91),Weather (31),No Specific Cause Found (16),Equipment Failure (13),Trees - Outside ROW (9),Unique Incident (8),Animal (4),Forced Outage/Emergency (3),Lightning (2),Bird (2),Public Damage (1),Public Tree Trimming (1)
SARANAC	2024	117	11,721	4,559	Trees (40),No Specific Cause Found (17),Trees - Outside ROW (16),Animal (12),Equipment Failure (12),Unique Incident (5),Forced Outage/Emergency (5),Bird (4),Lightning (2),Weather (2),Public Damage (2)
NORTH LANSING	2020	37	11,588	3,225	Equipment Failure (13),Trees (10),Planned/Scheduled (6),Lightning (3),Public Damage (2),Unique Incident (2),Car/Pole Accident (1)
NORTH LANSING	2021	39	1,196	606	Planned/Scheduled (26),Trees (3),Equipment Failure (3),Animal (2),Car/Pole Accident (2),No Specific Cause Found (2),Unique Incident (1)
NORTH LANSING	2022	28	1,730	530	Trees (9),Equipment Failure (7),Animal (4),Unique Incident (3),Public Damage (3),Weather (1),No Specific Cause Found (1)
NORTH LANSING	2023	31	3,601	1,065	No Specific Cause Found (9),Equipment Failure (8),Animal (4),Weather (4),Trees (3),Car/Pole Accident (1),Trees - Outside ROW (1),Unique Incident (1)
NORTH LANSING	2024	32	1,221	508	Weather (11),No Specific Cause Found (5),Equipment Failure (5),Trees (3),Animal (2),Car/Pole Accident (2),Unique Incident (2),Lightning (2)
GUN LAKE	2020	75	6,882	2,165	Trees (18),Planned/Scheduled (17),Equipment Failure (14),No Specific Cause Found (8),Lightning (5),Trees - Outside ROW (4),Weather (3),Car/Pole Accident (2),Forced Outage/Emergency (1),Unique Incident (1),Public Tree Trimming (1),Public Damage (1)
GUN LAKE	2021	80	11,804	5,481	Trees (26),Equipment Failure (18),No Specific Cause Found (9),Planned/Scheduled (7),Weather (4),Animal (4),Lightning (3),Public Damage (3),Trees - Outside ROW (3),Unique Incident (2),Forced Outage/Emergency (1)
GUN LAKE	2022	72	10,072	2,943	Trees (26),Equipment Failure (16),No Specific Cause Found (11),Trees - Outside ROW (6),Animal (5),Lightning (3),Weather (3),Unique Incident (2)
GUN LAKE	2023	40	9,668	4,431	Trees (18),Equipment Failure (8),No Specific Cause Found (7),Trees - Outside ROW (2),Weather (2),Lightning (1),Public Tree Trimming (1),Unique Incident (1)
GUN LAKE	2024	61	10,799	4,189	Trees (21),No Specific Cause Found (9),Equipment Failure (9),Weather (5),Animal (4),Public Damage (2),Public Tree Trimming (1),Forced Outage/Emergency (1)
CHESTER	2020	40	9,912	1,226	Trees (19),Equipment Failure (8),No Specific Cause Found (4),Animal (3),Car/Pole Accident (2),Weather (1),Planned/Scheduled (1),Lightning (1),Unique Incident (1)
CHESTER	2021	33	3,319	863	Trees (16),Equipment Failure (8),No Specific Cause Found (4),Animal (3),Trees - Outside ROW (1),Weather (1)
CHESTER	2022	44	2,345	875	Animal (15),Trees (7),Weather (6),Equipment Failure (6),No Specific Cause Found (4),Unique Incident (3),Forced Outage/Emergency (1),Trees - Outside ROW (1),Public Damage (1)
CHESTER	2023	49	3,214	631	Trees (15),Animal (14),No Specific Cause Found (8),Equipment Failure (5),Car/Pole Accident (2),Trees - Outside ROW (2),Lightning (1),Unique Incident (1),Weather (1)
CHESTER	2024	54	3,928	1,157	Trees (16),Equipment Failure (10),No Specific Cause Found (10),Animal (8),Weather (3),Trees - Outside ROW (3),Lightning (2),Bird (1),Public Damage (1)
CHESTER	2020	34	1,650	834	Trees (9),Equipment Failure (9),Planned/Scheduled (8),Trees - Outside ROW (4),No Specific Cause Found (3),Public Tree Trimming (1)
OTSEGO	2021	77	16,714	4,566	Trees (25),Planned/Scheduled (14),Equipment Failure (11),Weather (6),Lightning (6),Trees - Outside ROW (5),No Specific Cause Found (4),Unique Incident (2),Animal (2),Car/Pole Accident (1),Bird (1)
OTSEGO	2022	50	2,843	1,261	Trees (15),Trees - Outside ROW (14),Equipment Failure (7),No Specific Cause Found (4),Weather (3),Animal (2),Lightning (2),Car/Pole Accident (1),Unique Incident (1),Forced Outage/Emergency (1)
OTSEGO	2023	24	5,751	2,319	Equipment Failure (8),Trees (4),Unique Incident (3),Lightning (2),Forced Outage/Emergency (1),No Specific Cause Found (1),Trees - Outside ROW (1),Weather (1),Public Damage (1),Car/Pole Accident (1),Animal (1)
OTSEGO	2024	17	1,011	437	Unique Incident (5),No Specific Cause Found (3),Equipment Failure (3),Trees (2),Weather (1),Car/Pole Accident (1),Trees - Outside ROW (1),Animal (1)
CONKLIN PARK	2020	65	14,623	2,301	Trees (22),Equipment Failure (19),Lightning (5),Weather (4),Trees - Outside ROW (4),Planned/Scheduled (3),No Specific Cause Found (3),Animal (2),Forced Outage/Emergency (2),Unique Incident (1)
CONKLIN PARK	2021	71	6,746	1,788	Trees (33),Equipment Failure (9),No Specific Cause Found (8),Weather (7),Planned/Scheduled (5),Trees - Outside ROW (2),Animal (2),Car/Pole Accident (1),Unique Incident (1),Public Damage (1),Public Tree Trimming (1),Lightning (1)
CONKLIN PARK	2022	53	15,213	5,030	Trees (24),Equipment Failure (13),Weather (6),No Specific Cause Found (5),Trees - Outside ROW (3),Public Damage (1),Public Tree Trimming (1)
CONKLIN PARK	2023	139	27,214	5,416	Trees (71),Trees - Outside ROW (13),No Specific Cause Found (9),Equipment Failure (9),Weather (5),Animal (3),Car/Pole Accident (2),Lightning (2),Unique Incident (2),Public Tree Trimming (1),Forced Outage/Emergency (1)
CONKLIN PARK	2024	59	5,864	3,352	Trees (39),Equipment Failure (8),Forced Outage/Emergency (3),Trees - Outside ROW (3),Animal (2),Weather (2),Public Damage (1),No Specific Cause Found (1),Public Tree Trimming (1)
OKWOOD	2020	102	16,149	5,405	Planned/Scheduled (36),Trees (21),Equipment Failure (20),Trees - Outside ROW (6),No Specific Cause Found (6),Unique Incident (4),Car/Pole Accident (3),Public Damage (3),Animal (2),Forced Outage/Emergency (1)
OKWOOD	2021	72	7,911	4,869	Planned/Scheduled (27),Equipment Failure (14),Trees (12),Unique Incident (6),Animal (3),No Specific Cause Found (2),Trees - Outside ROW (2),Forced Outage/Emergency (2),Public Tree Trimming (2),Bird (1),Weather (1)
OKWOOD	2022	36	870	565	Trees (13),Animal (7),Equipment Failure (7),Lightning (3),Unique Incident (2),Public Damage (2),No Specific Cause Found (2)
OKWOOD	2023	57	9,259	4,165	Trees (20),Weather (17),Unique Incident (6),No Specific Cause Found (5),Equipment Failure (5),Trees - Outside ROW (3),Animal (1)
OKWOOD	2024	45	6,708	4,387	Trees (18),Equipment Failure (7),Trees - Outside ROW (5),Animal (4),Weather (3),No Specific Cause Found (3),Lightning (2),Unique Incident (2),Forced Outage/Emergency (1)
DIXIE	2020	72	12,053	1,257	Trees (27),Equipment Failure (15),Weather (6),Car/Pole Accident (5),Planned/Scheduled (5),Trees - Outside ROW (4),Animal (3),Forced Outage/Emergency (3),No Specific Cause Found (2),Unique Incident (2)

DIXIE	2021	77	12,893	3,935 Trees (26),Equipment Failure (20),Planned/Scheduled (10),Weather (6),Public Damage (4),Forced Outage/Emergency (3),Unique Incident (2),Car/Pole Accident (2),Lightning (2),Animal (1),No Specific Cause Found (1)
DIXIE	2022	58	6,976	1,116 Equipment Failure (18),Trees (18),Weather (6),Forced Outage/Emergency (6),Unique Incident (3),Car/Pole Accident (3),No Specific Cause Found (2),Public Damage (1),Bird (1)
DIXIE	2023	59	2,162	823 Trees (24),Equipment Failure (10),Weather (6),Forced Outage/Emergency (5),No Specific Cause Found (4),Unique Incident (4),Animal (3),Public Damage (3)
DIXIE	2024	73	2,072	477 Trees (32),Forced Outage/Emergency (17),Equipment Failure (10),Weather (8),Trees - Outside ROW (2),No Specific Cause Found (2),Unique Incident (1),Public Damage (1)
HAGER PARK	2020	67	13,101	4,280 Animal (24),Trees (11),Planned/Scheduled (8),Equipment Failure (7),No Specific Cause Found (4),Lightning (3),Car/Pole Accident (2),Unique Incident (2),Forced Outage/Emergency (2),Trees - Outside ROW (1),Bird (1),Public Damage (1),Weather (1)
HAGER PARK	2021	78	2,259	1,122 Animal (24),Equipment Failure (18),Trees (11),Planned/Scheduled (8),No Specific Cause Found (7),Public Damage (5),Forced Outage/Emergency (2),Weather (2),Trees - Outside ROW (1)
HAGER PARK	2022	75	54,093	11,840 Equipment Failure (27),Animal (18),Trees (7),No Specific Cause Found (6),Weather (4),Trees - Outside ROW (2),Public Damage (3),Unique Incident (2),Lightning (2),Forced Outage/Emergency (2),Car/Pole Accident (1)
HAGER PARK	2023	56	29,283	5,729 Animal (25),Equipment Failure (8),No Specific Cause Found (8),Trees (5),Trees - Outside ROW (5),Unique Incident (3),Lightning (1),Car/Pole Accident (1)
HAGER PARK	2024	72	6,563	4,146 Animal (30),Equipment Failure (11),Trees (10),Public Damage (5),No Specific Cause Found (4),Unique Incident (3),Trees - Outside ROW (3),Forced Outage/Emergency (2),Lightning (2),Transmission/Generation (1),Weather (1)
OTISVILLE	2020	119	8,805	1,960 Trees (50),Equipment Failure (18),Planned/Scheduled (11),Weather (9),Forced Outage/Emergency (8),Animal (5),No Specific Cause Found (5),Trees - Outside ROW (4),Unique Incident (3),Lightning (2),Bird (2),Public Damage (1),Car/Pole Accident (1)
OTISVILLE	2021	130	39,806	8,292 Trees (54),Weather (25),Equipment Failure (24),No Specific Cause Found (5),Trees - Outside ROW (5),Unique Incident (5),Forced Outage/Emergency (3),Planned/Scheduled (3),Bird (3),Animal (2),Car/Pole Accident (1)
OTISVILLE	2022	99	5,840	1,386 Trees (29),Equipment Failure (18),Animal (12),Forced Outage/Emergency (9),No Specific Cause Found (7),Unique Incident (5),Weather (5),Lightning (5),Car/Pole Accident (4),Trees - Outside ROW (3),Bird (1),Public Tree Trimming (1)
OTISVILLE	2023	72	10,505	2,006 Trees (34),Equipment Failure (12),No Specific Cause Found (8),Weather (6),Animal (4),Bird (4),Trees - Outside ROW (1),Unique Incident (1),Car/Pole Accident (1),Public Tree Trimming (1)
OTISVILLE	2024	99	9,916	1,718 Trees (41),Weather (18),Equipment Failure (15),Forced Outage/Emergency (7),Unique Incident (3),No Specific Cause Found (3),Public Damage (3),Animal (3),Lightning (2),Trees - Outside ROW (2),Car/Pole Accident (1),Bird (1)
HOMER	2020	77	15,752	3,008 Equipment Failure (23),Trees (23),Weather (9),Planned/Scheduled (4),Animal (4),No Specific Cause Found (4),Trees - Outside ROW (3),Unique Incident (3),Lightning (3),Car/Pole Accident (1)
HOMER	2021	66	4,006	950 Trees (24),Equipment Failure (19),Weather (8),Trees - Outside ROW (5),No Specific Cause Found (5),Planned/Scheduled (3),Unique Incident (2)
HOMER	2022	75	14,237	3,763 Trees (30),Equipment Failure (17),No Specific Cause Found (9),Weather (8),Trees - Outside ROW (4),Animal (4),Lightning (2),Unique Incident (1)
HOMER	2023	79	8,165	4,407 Trees (25),Equipment Failure (17),No Specific Cause Found (17),Weather (8),Unique Incident (5),Lightning (3),Animal (2),Trees - Outside ROW (1),Forced Outage/Emergency (1)
HOMER	2024	62	3,466	785 Trees (24),Equipment Failure (12),No Specific Cause Found (7),Weather (5),Trees - Outside ROW (4),Animal (3),Car/Pole Accident (2),Unique Incident (2),Forced Outage/Emergency (1),Lightning (1),Bird (1)
CEDAR SPRINGS	2020	178	26,752	8,189 Trees (48),Equipment Failure (42),Animal (24),Weather (20),Planned/Scheduled (12),Trees - Outside ROW (11),No Specific Cause Found (8),Unique Incident (7),Bird (2),Public Damage (2),Forced Outage/Emergency (2)
CEDAR SPRINGS	2021	125	11,867	3,455 Equipment Failure (36),Trees (32),Weather (11),Animal (10),No Specific Cause Found (8),Planned/Scheduled (7),Bird (5),Public Damage (4),Trees - Outside ROW (4),Unique Incident (4),Lightning (3),Public Tree Trimming (1)
CEDAR SPRINGS	2022	165	30,444	12,556 Equipment Failure (48),Trees (36),No Specific Cause Found (17),Weather (16),Animal (15),Trees - Outside ROW (9),Unique Incident (9),Lightning (4),Public Damage (3),Car/Pole Accident (2),Bird (2),Public Tree Trimming (2),Forced Outage/Emergency (2)
CEDAR SPRINGS	2023	123	13,949	7,359 Equipment Failure (38),Trees (27),Animal (12),Weather (11),No Specific Cause Found (11),Unique Incident (9),Lightning (5),Trees - Outside ROW (4),Public Damage (3),Bird (2),Forced Outage/Emergency (1)
CEDAR SPRINGS	2024	131	9,981	4,350 Trees (37),Equipment Failure (32),No Specific Cause Found (20),Animal (17),Weather (7),Trees - Outside ROW (5),Forced Outage/Emergency (4),Unique Incident (3),Public Damage (3),Bird (2),Car/Pole Accident (1)
MICHIGAN CENTER	2020	46	2,704	1,191 Trees (11),Equipment Failure (9),Planned/Scheduled (7),No Specific Cause Found (5),Car/Pole Accident (4),Lightning (3),Weather (2),Forced Outage/Emergency (2),Animal (1),Unique Incident (1),Public Tree Trimming (1)
MICHIGAN CENTER	2021	91	3,808	2,042 Planned/Scheduled (43),Trees (14),Equipment Failure (9),No Specific Cause Found (7),Unique Incident (6),Animal (3),Car/Pole Accident (3),Forced Outage/Emergency (3),Weather (3)
MICHIGAN CENTER	2022	44	8,289	3,095 Trees (13),Equipment Failure (11),Weather (4),No Specific Cause Found (4),Car/Pole Accident (4),Animal (3),Trees - Outside ROW (2),Public Damage (2),Unique Incident (1)
MICHIGAN CENTER	2023	48	5,560	1,543 Weather (15),Equipment Failure (11),No Specific Cause Found (7),Trees (4),Car/Pole Accident (3),Animal (2),Public Damage (2),Bird (1),Forced Outage/Emergency (1),Trees - Outside ROW (1),Unique Incident (1)
MICHIGAN CENTER	2024	46	1,488	573 No Specific Cause Found (16),Animal (7),Trees (7),Equipment Failure (5),Unique Incident (4),Forced Outage/Emergency (2),Lightning (2),Trees - Outside ROW (1),Weather (1),Bird (1)
MILLER ROAD	2020	25	1,606	500 Car/Pole Accident (11),Equipment Failure (3),Weather (3),Trees (3),Public Damage (2),Forced Outage/Emergency (2),Trees - Outside ROW (1)
MILLER ROAD	2021	28	2,002	398 Trees (9),Equipment Failure (7),Weather (5),Forced Outage/Emergency (2),Planned/Scheduled (2),Unique Incident (1),Public Damage (1),Trees - Outside ROW (1)
MILLER ROAD	2022	26	2,256	795 Equipment Failure (13),Trees (4),Forced Outage/Emergency (3),Car/Pole Accident (2),Public Damage (1),Trees - Outside ROW (1),No Specific Cause Found (1),Weather (1)
MILLER ROAD	2023	15	14,873	1,368 Trees (6),Car/Pole Accident (3),Equipment Failure (2),No Specific Cause Found (1),Animal (1),Unique Incident (1),Forced Outage/Emergency (1)
MILLER ROAD	2024	13	828	84 Trees (6),Forced Outage/Emergency (2),Weather (1),Car/Pole Accident (1),Animal (1),Equipment Failure (1),Public Damage (1)
BRECKENRIDGE	2020	46	1,729	744 Planned/Scheduled (20),Equipment Failure (8),Trees (6),Lightning (4),Car/Pole Accident (3),Animal (2),No Specific Cause Found (2),Unique Incident (1)
BRECKENRIDGE	2021	66	1,935	850 Planned/Scheduled (19),Equipment Failure (14),Trees (11),Weather (7),Lightning (7),Unique Incident (3),Animal (2),Bird (2),Forced Outage/Emergency (1)
BRECKENRIDGE	2022	29	1,932	430 Equipment Failure (11),Animal (3),Unique Incident (3),Lightning (3),No Specific Cause Found (3),Public Damage (2),Car/Pole Accident (1),Forced Outage/Emergency (1),Trees - Outside ROW (1),Bird (1)
BRECKENRIDGE	2023	29	9,527	2,164 Equipment Failure (9),Trees (5),Weather (5),Animal (3),No Specific Cause Found (3),Bird (1),Lightning (1),Forced Outage/Emergency (1),Unique Incident (1)
BRECKENRIDGE	2024	24	2,090	582 Weather (5),No Specific Cause Found (5),Equipment Failure (4),Trees (4),Animal (3),Unique Incident (2),Lightning (1)
HAMILTON	2020	73	2,435	868 Equipment Failure (18),Trees (15),No Specific Cause Found (11),Planned/Scheduled (9),Lightning (3),Public Damage (3),Animal (3),Car/Pole Accident (3),Weather (3),Trees - Outside ROW (2),Unique Incident (2),Transmission/Generation (1)
HAMILTON	2021	81	14,718	6,697 Trees (28),Equipment Failure (13),Trees - Outside ROW (11),Weather (8),Planned/Scheduled (6),Unique Incident (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Animal (2),Public Damage (2),Car/Pole Accident (1)
HAMILTON	2022	65	2,973	546 Equipment Failure (16),Weather (10),Trees (9),Lightning (8),No Specific Cause Found (6),Animal (6),Unique Incident (3),Trees - Outside ROW (2),Car/Pole Accident (2),Public Damage (1),Forced Outage/Emergency (1),Public Tree Trimming (1)
HAMILTON	2023	44	2,282	619 Trees (17),Equipment Failure (8),Trees - Outside ROW (5),No Specific Cause Found (4),Animal (3),Weather (2),Unique Incident (2),Lightning (1),Public Damage (1),Bird (1)
HAMILTON	2024	62	3,472	1,696 Trees (26),No Specific Cause Found (9),Equipment Failure (8),Weather (8),Animal (4),Trees - Outside ROW (3),Car/Pole Accident (2),Lightning (1),Forced Outage/Emergency (1)
MANCHESTER	2020	37	1,348	309 Equipment Failure (14),Trees (13),No Specific Cause Found (4),Public Tree Trimming (1),Forced Outage/Emergency (1),Unique Incident (1),Animal (1),Trees - Outside ROW (1),Planned/Scheduled (1)
MANCHESTER	2021	50	2,815	712 Trees (10),No Specific Cause Found (9),Equipment Failure (8),Weather (8),Planned/Scheduled (5),Lightning (3),Unique Incident (2),Trees - Outside ROW (2),Animal (2),Forced Outage/Emergency (1)
MANCHESTER	2022	43	1,774	436 Weather (11),Equipment Failure (9),No Specific Cause Found (7),Public Damage (5),Trees (5),Animal (4),Car/Pole Accident (1),Trees - Outside ROW (1)
MANCHESTER	2023	73	6,593	1,057 Trees (27),Weather (21),Equipment Failure (9),Unique Incident (7),No Specific Cause Found (4),Animal (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Bird (1)
MANCHESTER	2024	24	1,194	366 Equipment Failure (8),Weather (5),No Specific Cause Found (4),Unique Incident (3),Trees (2),Trees - Outside ROW (1),Animal (1)
MARKEY	2020	82	20,371	2,854 Equipment Failure (30),Trees (29),Planned/Scheduled (12),Unique Incident (3),Public Tree Trimming (2),No Specific Cause Found (2),Bird (1),Weather (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
MARKEY	2021	93	29,244	10,629 Equipment Failure (24),Trees (22),Weather (9),Planned/Scheduled (7),Trees - Outside ROW (6),Forced Outage/Emergency (5),No Specific Cause Found (5),Lightning (4),Animal (3),Public Damage (3),Unique Incident (2),Car/Pole Accident (2),Public Tree Trimming (1)
MARKEY	2022	64	34,104	8,657 Trees (25),Equipment Failure (19),No Specific Cause Found (5),Unique Incident (4),Public Damage (2),Weather (2),Car/Pole Accident (2),Transmission/Generation (1),Animal (1),Lightning (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
MARKEY	2023	64	11,922	3,289 Trees (30),Equipment Failure (17),No Specific Cause Found (7),Weather (4),Car/Pole Accident (1),Trees - Outside ROW (1),Public Damage (1),Forced Outage/Emergency (1),Unique Incident (1),Lightning (1)
MARKEY	2024	41	7,800	3,637 Trees (18),Equipment Failure (5),No Specific Cause Found (5),Animal (3),Weather (3),Trees - Outside ROW (2),Forced Outage/Emergency (2),Bird (2),Lightning (1)
KEARSLEY	2020	118	9,975	3,009 Trees (36),Equipment Failure (26),Planned/Scheduled (18),Forced Outage/Emergency (12),Weather (10),Animal (4),No Specific Cause Found (4),Unique Incident (2),Lightning (2),Public Damage (2),Trees - Outside ROW (1),Bird (1)
KEARSLEY	2021	148	20,364	5,514 Trees (46),Planned/Scheduled (37),Equipment Failure (18),Forced Outage/Emergency (17),Weather (10),Unique Incident (9),Trees - Outside ROW (3),Public Damage (3),Animal (2),Public Tree Trimming (2),No Specific Cause Found (1)
KEARSLEY	2022	86	7,570	2,402 Trees (30),Equipment Failure (17),Forced Outage/Emergency (12),No Specific Cause Found (6),Weather (6),Car/Pole Accident (5),Animal (4),Trees - Outside ROW (2),Public Tree Trimming (2),Bird (1),Unique Incident (1)
KEARSLEY	2023	75	37,840	12,014 No Specific Cause Found (15),Equipment Failure (12),Trees (12),Weather (12),Animal (8),Unique Incident (6),Forced Outage/Emergency (5),Car/Pole Accident (2),Bird (2),Public Damage (1)
KEARSLEY	2024	54	1,978	703 Trees (21),Equipment Failure (10),No Specific Cause Found (7),Forced Outage/Emergency (7),Weather (4),Animal (3),Unique Incident (1),Trees - Outside ROW (1)
STOCKBRIDGE	2020	63	12,854	2,363 Trees (18),Equipment Failure (14),Weather (13),No Specific Cause Found (9),Lightning (5),Animal (3),Planned/Scheduled (2),Forced Outage/Emergency (1),Trees - Outside ROW (1),Unique Incident (1)
STOCKBRIDGE	2021	40	718	338 Equipment Failure (18),Trees (10),Weather (5),No Specific Cause Found (3),Trees - Outside ROW (2),Planned/Scheduled (2)
STOCKBRIDGE	2022	37	6,057	1,402 Weather (10),Trees (9),No Specific Cause Found (9),Equipment Failure (9),Trees - Outside ROW (2),Unique Incident (2),Unique Incident (1),Forced Outage/Emergency (1)
STOCKBRIDGE	2023	56	7,667	2,265 Trees (21),Equipment Failure (16),Weather (8),No Specific Cause Found (4),Animal (3),Trees - Outside ROW (2),Public Tree Trimming (1),Unique Incident (1)
STOCKBRIDGE	2024	44	6,925	686 Trees (18),Equipment Failure (8),Trees - Outside ROW (5),No Specific Cause Found (5),Animal (4),Forced Outage/Emergency (2),Unique Incident (1),Weather (1)
VANDERCOOK LAKE	2020	120	22,287	7,910 Trees (37),Planned/Scheduled (31),Equipment Failure (24),No Specific Cause Found (13),Weather (8),Trees - Outside ROW (2),Forced Outage/Emergency (2),Animal (1),Public Damage (1),Unique Incident (1)
VANDERCOOK LAKE	2021	84	9,354	2,584 Trees (31),Equipment Failure (17),Planned/Scheduled (10),No Specific Cause Found (7),Weather (6),Car/Pole Accident (3),Lightning (3),Unique Incident (3),Trees - Outside ROW (2),Public Tree Trimming (1),Forced Outage/Emergency (1)
VANDERCOOK LAKE	2022	58	3,062	986 No Specific Cause Found (12),Trees (10),Equipment Failure (10),Trees - Outside ROW (8),Weather (7),Unique Incident (2),Car/Pole Accident (2),Animal (2),Lightning (2),Forced Outage/Emergency (2),Bird (1)
VANDERCOOK LAKE	2023	99	8,048	2,733 Trees (37),Weather (29),Equipment Failure (13),No Specific Cause Found (10),Animal (5),Unique Incident (3),Trees - Outside ROW (1),Public Tree Trimming (1)
VANDERCOOK LAKE	2024	75	12,170	3,103 Trees (33),Equipment Failure (13),No Specific Cause Found (13),Weather (6),Unique Incident (6),Trees - Outside ROW (2),Public Tree Trimming (1),Animal (1)
LAMBERTVILLE	2020	74	1,059	755 Animal (27),Planned/Scheduled (12),Trees (10),No Specific Cause Found (9),Equipment Failure (7),Unique Incident (6),Weather (1),Forced Outage/Emergency (1),Public Damage (1)
LAMBERTVILLE	2021	54	7,362	1,117 Trees (14),Animal (10),Weather (9),Unique Incident (5),No Specific Cause Found (5),Planned/Scheduled (4),Equipment Failure (3),Trees - Outside ROW (2),Car/Pole Accident (1),Forced Outage/Emergency (1)
LAMBERTVILLE	2022	84	30,976	3,825 Animal (22),Weather (18),Trees (13),Equipment Failure (10),No Specific Cause Found (8),Unique Incident (4),Lightning (3),Trees - Outside ROW (2),Car/Pole Accident (2),Public Damage (2),Bird (1)
LAMBERTVILLE	2023	71	6,016	1,998 Animal (18),Equipment Failure (16),Trees (15),Weather (7),No Specific Cause Found (6),Trees - Outside ROW (5),Car/Pole Accident (3),Forced Outage/Emergency (1)
LAMBERTVILLE	2024	77	36,375	8,509 Animal (25),Trees (19),No Specific Cause Found (15),Equipment Failure (9),Weather (4),Trees - Outside ROW (2),Unique Incident (2),Forced Outage/Emergency (1)
PALMYRA	2020	51	3,329	1,112 Equipment Failure (20),No Specific Cause Found (14),Trees (5),Planned/Scheduled (4),Animal (3),Weather (2),Forced Outage/Emergency (2),Public Damage (1)
PALMYRA	2021	46	2,510	403 No Specific Cause Found (13),Weather (7),Trees (7),Animal (6),Planned/Scheduled (5),Equipment Failure (5),Unique Incident (2),Bird (1),Trees - Outside ROW (1),Car/Pole Accident (1)
PALMYRA	2022	62	1,806	565 No Specific Cause Found (19),Equipment Failure (14),Trees (8),Animal (8),Weather (5),Trees - Outside ROW (2),Bird (2),Unique Incident (2),Public Tree Trimming (1),Car/Pole Accident (1)
PALMYRA	2023	48	1,313	328 Trees (13),Animal (13),No Specific Cause Found (12),Weather (6),Equipment Failure (4),Unique Incident (1)
PALMYRA	2024	69	2,415	1,700 No Specific Cause Found (23),Animal (13),Weather (8),Trees (6),Equipment Failure (5),Transmission/Generation (4),Lightning (2),Forced Outage/Emergency (2),Public Damage (2),Car/Pole Accident (1),Bird (1),Trees - Outside ROW (1),Unique Incident (1)
NORTON	2020	75	1,799	760 Animal (28),Planned/Scheduled (14),Equipment Failure (13),Trees (9),Forced Outage/Emergency (4),Weather (2),Lightning (2),Trees - Outside ROW (1),Public Tree Trimming (1),No Specific Cause Found (1)
NORTON	2021	83	2,194	732 Equipment Failure (19),Planned/Scheduled (18),Animal (17),Trees (17),Trees - Outside ROW (3),No Specific Cause Found (2),Public Damage (2),Car/Pole Accident (2),Unique Incident (1),Lightning (1),Bird (1)
NORTON	2022	50	4,009	1,744 Animal (25),Trees (7),Equipment Failure (7),No Specific Cause Found (6),Weather (3),Trees - Outside ROW (1),Lightning (1)
NORTON	2023	68	1,146	651 Animal (31),Trees (10),Equipment Failure (10),No Specific Cause Found (8),Weather (4),Forced Outage/Emergency (2),Bird (1),Unique Incident (1),Trees - Outside ROW (1)

NORTON	2024	77	4,411	1,476	Animal (33),Trees (17),Equipment Failure (11),Weather (5),No Specific Cause Found (4),Forced Outage/Emergency (14),Unique Incident (3)
ASHLEY	2020	32	1,652	426	Equipment Failure (13),Trees (7),Planned/Scheduled (5),Weather (4),Trees - Outside ROW (1),Public Damage (1),Forced Outage/Emergency (1)
ASHLEY	2021	18	499	181	Equipment Failure (4),Weather (4),Trees (4),Trees - Outside ROW (2),Planned/Scheduled (2),No Specific Cause Found (1),Bird (1)
ASHLEY	2022	12	410	394	Equipment Failure (10),Animal (1),No Specific Cause Found (1)
ASHLEY	2023	14	311	138	Trees (5),Equipment Failure (5),Animal (2),No Specific Cause Found (1),Weather (1)
ASHLEY	2024	17	3,493	1,063	Trees (5),Equipment Failure (3),Forced Outage/Emergency (3),Unique Incident (2),No Specific Cause Found (2),Weather (2)
FREEPFORT	2020	85	4,576	2,059	Trees (24),Planned/Scheduled (17),Equipment Failure (11),No Specific Cause Found (4),Animal (3),Unique Incident (2),Forced Outage/Emergency (2),Car/Pole Accident (1),Lightning (1),Weather (1)
FREEPFORT	2021	47	4,276	1,450	Trees (15),Equipment Failure (10),Planned/Scheduled (10),Trees - Outside ROW (6),Weather (3),Public Damage (1),Animal (1),No Specific Cause Found (1)
FREEPFORT	2022	70	8,962	3,952	Trees (32),Equipment Failure (16),No Specific Cause Found (10),Weather (4),Animal (4),Trees - Outside ROW (2),Unique Incident (1),Lightning (1)
FREEPFORT	2023	41	717	274	Equipment Failure (14),Trees (12),No Specific Cause Found (7),Animal (3),Trees - Outside ROW (1),Weather (1),Bird (1),Unique Incident (1),Forced Outage/Emergency (1)
FREEPFORT	2024	60	2,431	874	Trees (26),No Specific Cause Found (6),Weather (6),Equipment Failure (5),Bird (4),Lightning (4),Trees - Outside ROW (3),Animal (2),Forced Outage/Emergency (2),Unique Incident (2)
HOLTON	2020	148	33,456	10,972	Equipment Failure (34),Trees (32),Animal (23),No Specific Cause Found (16),Trees - Outside ROW (10),Weather (9),Planned/Scheduled (7),Lightning (5),Car/Pole Accident (4),Unique Incident (3),Forced Outage/Emergency (2),Bird (1),Public Tree Trimming (1),Public Damage (1)
HOLTON	2021	132	12,428	3,765	Trees (48),Equipment Failure (25),Animal (10),Trees - Outside ROW (10),No Specific Cause Found (10),Planned/Scheduled (8),Weather (6),Lightning (6),Public Damage (3),Bird (2),Car/Pole Accident (2),Forced Outage/Emergency (1),Unique Incident (1)
HOLTON	2022	188	26,370	10,316	Trees (52),Equipment Failure (28),Trees - Outside ROW (26),No Specific Cause Found (24),Weather (23),Animal (14),Unique Incident (6),Lightning (4),Forced Outage/Emergency (4),Public Damage (4),Car/Pole Accident (3)
HOLTON	2023	137	13,486	5,642	Trees (43),No Specific Cause Found (26),Equipment Failure (17),Animal (15),Trees - Outside ROW (15),Weather (6),Unique Incident (4),Forced Outage/Emergency (3),Car/Pole Accident (2),Lightning (2),Public Damage (2),Bird (2)
HOLTON	2024	221	22,416	8,004	Trees (90),No Specific Cause Found (26),Equipment Failure (23),Trees - Outside ROW (23),Weather (20),Animal (13),Forced Outage/Emergency (8),Unique Incident (8),Lightning (5),Car/Pole Accident (3),Bird (2)
JOPPA	2020	80	13,204	1,517	Trees (23),Weather (21),Equipment Failure (15),No Specific Cause Found (6),Planned/Scheduled (5),Trees - Outside ROW (3),Animal (3),Public Damage (1),Car/Pole Accident (1),Lightning (1),Unique Incident (1)
JOPPA	2021	36	3,223	2,009	Trees (12),Equipment Failure (9),Planned/Scheduled (4),Weather (2),Public Damage (2),Animal (2),No Specific Cause Found (2),Car/Pole Accident (1),Trees - Outside ROW (1),Lightning (1)
JOPPA	2022	48	6,595	2,340	Trees (18),Equipment Failure (9),Trees - Outside ROW (8),No Specific Cause Found (6),Public Damage (2),Animal (2),Unique Incident (2),Bird (1)
JOPPA	2023	35	4,142	3,177	Trees (9),Equipment Failure (9),Trees - Outside ROW (7),Weather (6),Animal (2),No Specific Cause Found (4),Unique Incident (1)
JOPPA	2024	54	4,891	2,425	Trees (20),Trees - Outside ROW (13),Equipment Failure (7),No Specific Cause Found (3),Weather (4),Forced Outage/Emergency (2),Public Damage (1),Animal (1),Unique Incident (1)
WEIDMAN	2020	73	2,223	1,485	Planned/Scheduled (20),Trees (16),Equipment Failure (15),Trees - Outside ROW (6),Forced Outage/Emergency (4),Animal (3),Car/Pole Accident (3),Unique Incident (2),No Specific Cause Found (2),Bird (2)
WEIDMAN	2021	48	3,169	1,176	Trees (17),Equipment Failure (8),Weather (5),Planned/Scheduled (5),No Specific Cause Found (4),Lightning (2),Animal (2),Public Damage (1),Car/Pole Accident (1),Bird (1),Unique Incident (1),Forced Outage/Emergency (1)
WEIDMAN	2022	45	5,205	1,113	Trees (13),Equipment Failure (8),No Specific Cause Found (8),Unique Incident (5),Trees - Outside ROW (5),Lightning (2),Car/Pole Accident (2),Public Tree Trimming (1),Weather (1)
WEIDMAN	2023	63	13,975	3,873	Equipment Failure (23),Trees (16),No Specific Cause Found (7),Public Damage (5),Unique Incident (4),Lightning (2),Weather (2),Trees - Outside ROW (1),Car/Pole Accident (1),Bird (1),Forced Outage/Emergency (1)
WEIDMAN	2024	45	1,895	757	Trees (8),Equipment Failure (8),No Specific Cause Found (6),Trees - Outside ROW (5),Forced Outage/Emergency (4),Animal (4),Unique Incident (3),Lightning (2),Weather (2),Car/Pole Accident (1),Bird (1),Public Damage (1)
ORLEANS	2020	59	6,013	2,416	Trees (20),Equipment Failure (15),Planned/Scheduled (9),No Specific Cause Found (8),Trees - Outside ROW (2),Weather (1),Bird (1),Car/Pole Accident (1),Animal (1),Public Tree Trimming (1)
ORLEANS	2021	65	7,184	2,347	Trees (32),Equipment Failure (11),No Specific Cause Found (7),Planned/Scheduled (5),Public Damage (4),Animal (2),Forced Outage/Emergency (1),Weather (1),Unique Incident (1),Bird (1)
ORLEANS	2022	60	7,572	3,675	No Specific Cause Found (19),Trees (12),Animal (8),Equipment Failure (6),Weather (6),Unique Incident (4),Lightning (3),Bird (3),Transmission/Generation (2),Public Damage (2),Car/Pole Accident (1)
ORLEANS	2023	71	5,809	1,921	No Specific Cause Found (16),Equipment Failure (15),Trees - Outside ROW (10),Trees (8),Weather (7),Animal (7),Unique Incident (3),Public Damage (2),Bird (2),Forced Outage/Emergency (1)
ORLEANS	2024	58	3,848	1,836	Trees (13),Equipment Failure (13),No Specific Cause Found (12),Animal (5),Unique Incident (4),Weather (3),Trees - Outside ROW (3),Bird (2),Public Damage (2),Forced Outage/Emergency (1)
REBUS	2021	41	4,002	1,775	Trees (25),Equipment Failure (8),Planned/Scheduled (4),No Specific Cause Found (3),Animal (3),Weather (3),Trees - Outside ROW (2),Forced Outage/Emergency (1),Lightning (1),Unique Incident (1)
REBUS	2022	46	23,936	1,512	Trees (28),Equipment Failure (4),No Specific Cause Found (2),Unique Incident (2),Forced Outage/Emergency (2),Planned/Scheduled (2),Lightning (2),Car/Pole Accident (1),Animal (1),Trees - Outside ROW (1),Weather (1)
REBUS	2023	37	15,827	2,410	Trees (17),Equipment Failure (10),No Specific Cause Found (3),Forced Outage/Emergency (2),Trees - Outside ROW (3),Unique Incident (2),Lightning (2),Unique Incident (1)
REBUS	2024	36	7,258	1,657	Trees (19),Equipment Failure (7),No Specific Cause Found (3),Trees - Outside ROW (3),Forced Outage/Emergency (3),Weather (1)
REBUS	2025	50	21,882	4,863	Trees (26),Equipment Failure (10),Weather (4),No Specific Cause Found (3),Forced Outage/Emergency (2),Lightning (2),Car/Pole Accident (2),Animal (1)
SHIELDS	2020	56	3,698	1,708	Trees (14),Equipment Failure (13),Planned/Scheduled (6),Forced Outage/Emergency (6),Unique Incident (5),Weather (5),Trees - Outside ROW (2),No Specific Cause Found (2),Lightning (1),Animal (1),Public Damage (1)
SHIELDS	2021	39	4,567	3,206	Trees (15),Equipment Failure (6),Planned/Scheduled (5),Animal (3),Forced Outage/Emergency (3),Unique Incident (2),No Specific Cause Found (1),Lightning (1),Weather (1),Trees - Outside ROW (1),Public Damage (1)
SHIELDS	2022	19	4,444	2,145	Trees (6),Weather (4),Animal (3),Equipment Failure (2),Public Damage (1),Forced Outage/Emergency (1),No Specific Cause Found (1),Bird (1)
SHIELDS	2023	25	684	252	Animal (7),Equipment Failure (5),Trees (5),Weather (4),No Specific Cause Found (1),Trees - Outside ROW (1),Lightning (1),Unique Incident (1)
SHIELDS	2024	28	1,416	569	Equipment Failure (10),Trees (9),No Specific Cause Found (4),Forced Outage/Emergency (1),Unique Incident (1),Weather (1),Lightning (1),Trees - Outside ROW (1)
WALDRON	2020	31	376	267	Equipment Failure (7),Trees (7),Planned/Scheduled (5),No Specific Cause Found (5),Animal (2),Weather (2),Lightning (2),Trees - Outside ROW (1)
WALDRON	2021	33	563	223	No Specific Cause Found (12),Trees (7),Equipment Failure (4),Lightning (3),Weather (2),Unique Incident (2),Animal (1),Forced Outage/Emergency (1),Bird (1)
WALDRON	2022	66	3,815	1,291	Equipment Failure (23),No Specific Cause Found (18),Public Damage (10),Weather (5),Unique Incident (4),Trees (3),Public Tree Trimming (1),Lightning (1),Forced Outage/Emergency (1)
WALDRON	2023	50	3,424	809	Weather (23),No Specific Cause Found (9),Trees (7),Equipment Failure (4),Animal (3),Unique Incident (2),Car/Pole Accident (1),Public Damage (1)
WALDRON	2024	21	1,481	511	Equipment Failure (8),No Specific Cause Found (6),Unique Incident (2),Forced Outage/Emergency (1),Bird (1),Weather (1),Car/Pole Accident (1),Animal (1)
DUCK LAKE	2020	57	18,394	2,797	Trees (21),Equipment Failure (15),Planned/Scheduled (6),Trees - Outside ROW (5),No Specific Cause Found (3),Weather (2),Unique Incident (2),Animal (1),Public Tree Trimming (1),Public Damage (1)
DUCK LAKE	2021	74	2,858	1,034	Trees (19),Equipment Failure (14),Weather (10),Planned/Scheduled (10),No Specific Cause Found (7),Lightning (5),Trees - Outside ROW (3),Unique Incident (2),Forced Outage/Emergency (2),Animal (1),Bird (1)
DUCK LAKE	2022	61	4,752	2,037	Equipment Failure (22),Trees (12),Weather (6),No Specific Cause Found (4),Trees - Outside ROW (4),Unique Incident (4),Animal (4),Bird (2),Public Damage (1),Forced Outage/Emergency (1),Lightning (1)
DUCK LAKE	2023	37	3,766	769	Equipment Failure (9),Weather (8),No Specific Cause Found (6),Animal (5),Trees - Outside ROW (4),Trees (3),Bird (1),Unique Incident (1)
DUCK LAKE	2024	47	12,847	1,588	Equipment Failure (11),Trees (10),Weather (8),Animal (6),No Specific Cause Found (5),Forced Outage/Emergency (2),Lightning (2),Trees - Outside ROW (2),Car/Pole Accident (1)
LAMOREAUX	2020	24	2,116	1,190	Animal (8),Equipment Failure (6),Trees (4),No Specific Cause Found (2),Public Damage (2),Unique Incident (1),Weather (1)
LAMOREAUX	2021	14	747	278	Equipment Failure (4),Trees (3),No Specific Cause Found (2),Public Damage (2),Animal (1),Forced Outage/Emergency (1),Weather (1)
LAMOREAUX	2022	21	877	219	Animal (8),Equipment Failure (5),Trees (4),No Specific Cause Found (2),Unique Incident (2)
LAMOREAUX	2023	90	33,222	4,331	Forced Outage/Emergency (27),Trees (21),Equipment Failure (15),Unique Incident (8),Weather (7),Animal (6),No Specific Cause Found (5),Lightning (1)
LAMOREAUX	2024	35	2,223	1,634	Animal (9),Equipment Failure (9),No Specific Cause Found (7),Trees (5),Forced Outage/Emergency (3),Weather (2)
LAMOREAUX	2025	95	6,603	2,507	Trees (31),Equipment Failure (19),Trees - Outside ROW (14),Planned/Scheduled (8),Weather (7),No Specific Cause Found (6),Animal (3),Forced Outage/Emergency (3),Public Damage (2),Car/Pole Accident (1),Unique Incident (1)
LINCOLN	2021	124	48,812	8,248	Trees (45),Equipment Failure (34),Trees - Outside ROW (13),Planned/Scheduled (8),Weather (8),No Specific Cause Found (6),Forced Outage/Emergency (5),Animal (2),Lightning (2),Public Tree Trimming (1)
LINCOLN	2022	156	31,944	5,347	Trees (57),Equipment Failure (31),Weather (22),No Specific Cause Found (18),Trees - Outside ROW (17),Unique Incident (5),Animal (3),Lightning (2),Forced Outage/Emergency (1)
LINCOLN	2023	64	5,537	2,551	Equipment Failure (16),Trees (13),Weather (12),Unique Incident (8),No Specific Cause Found (8),Trees - Outside ROW (4),Lightning (1)
LINCOLN	2024	81	38,745	5,965	Trees (26),Equipment Failure (16),Weather (14),Trees - Outside ROW (12),Unique Incident (7),No Specific Cause Found (2),Forced Outage/Emergency (2),Lightning (1),Animal (1)
RIVERTOWN	2020	39	4,293	2,271	Animal (9),Planned/Scheduled (7),Equipment Failure (7),No Specific Cause Found (4),Trees - Outside ROW (3),Unique Incident (1),Forced Outage/Emergency (1)
RIVERTOWN	2021	54	7,378	3,120	Planned/Scheduled (12),Equipment Failure (12),Animal (10),No Specific Cause Found (6),Lightning (6),Public Damage (5),Trees (2),Trees - Outside ROW (1),Forced Outage/Emergency (1)
RIVERTOWN	2022	55	5,167	1,134	Equipment Failure (20),Animal (9),No Specific Cause Found (8),Trees (8),Public Damage (4),Weather (3),Forced Outage/Emergency (1),Unique Incident (1),Trees - Outside ROW (1)
RIVERTOWN	2023	52	4,122	1,484	Equipment Failure (13),Animal (12),No Specific Cause Found (7),Forced Outage/Emergency (6),Unique Incident (5),Trees (4),Weather (3),Lightning (1),Bird (1)
RIVERTOWN	2024	52	3,262	1,485	Equipment Failure (12),Trees (11),Animal (9),No Specific Cause Found (5),Unique Incident (4),Weather (4),Forced Outage/Emergency (2),Trees - Outside ROW (2),Car/Pole Accident (1),Lightning (1),Bird (1)
ABERDEEN	2020	67	9,427	5,993	Planned/Scheduled (17),Animal (14),Equipment Failure (11),Trees (9),Weather (5),Unique Incident (5),Trees - Outside ROW (2),Forced Outage/Emergency (2),No Specific Cause Found (2)
ABERDEEN	2021	53	6,884	4,423	Animal (13),Equipment Failure (10),Planned/Scheduled (10),Trees (6),Weather (4),No Specific Cause Found (3),Forced Outage/Emergency (2),Unique Incident (2),Bird (1),Car/Pole Accident (1),Public Damage (1)
ABERDEEN	2022	40	11,602	4,078	Animal (15),Equipment Failure (5),Trees (5),No Specific Cause Found (5),Weather (3),Forced Outage/Emergency (3),Unique Incident (1),Bird (1),Public Tree Trimming (1),Public Damage (1)
ABERDEEN	2023	78	3,914	1,795	Trees (26),Weather (24),Animal (16),Equipment Failure (6),No Specific Cause Found (2),Public Damage (2),Bird (1),Forced Outage/Emergency (1)
ABERDEEN	2024	64	10,065	5,440	Animal (27),Equipment Failure (8),Trees (8),No Specific Cause Found (7),Unique Incident (4),Weather (4),Public Damage (3),Forced Outage/Emergency (2),Bird (1)
EAST MUSKOGON	2020	52	2,044	1,025	Trees (13),Animal (13),Equipment Failure (8),Planned/Scheduled (8),No Specific Cause Found (5),Trees - Outside ROW (3),Car/Pole Accident (1),Lightning (1)
EAST MUSKOGON	2021	47	2,006	1,430	Trees (17),Equipment Failure (11),Animal (7),Planned/Scheduled (5),Trees - Outside ROW (1),Lightning (1),Weather (1),Forced Outage/Emergency (1),No Specific Cause Found (1),Public Damage (1),Bird (1)
EAST MUSKOGON	2022	57	2,884	910	Animal (21),Equipment Failure (14),Trees (9),Trees - Outside ROW (3),No Specific Cause Found (2),Public Damage (2),Weather (2),Forced Outage/Emergency (2),Unique Incident (1),Bird (1)
EAST MUSKOGON	2023	66	2,773	1,005	Animal (18),No Specific Cause Found (14),Equipment Failure (12),Trees (8),Weather (5),Forced Outage/Emergency (3),Trees - Outside ROW (2),Public Damage (2),Car/Pole Accident (1),Unique Incident (1)
EAST MUSKOGON	2024	55	4,429	2,029	Trees (13),Equipment Failure (12),No Specific Cause Found (9),Forced Outage/Emergency (6),Animal (6),Weather (5),Lightning (2),Unique Incident (1),Car/Pole Accident (1),Bird (1)
BRIDGE STREET	2020	34	3,963	1,162	Planned/Scheduled (12),Trees (5),Equipment Failure (4),Weather (4),Animal (2),Unique Incident (2),No Specific Cause Found (2),Forced Outage/Emergency (1),Public Damage (1),Trees - Outside ROW (1)
BRIDGE STREET	2021	26	2,206	830	Planned/Scheduled (6),Trees (7),Weather (4),Equipment Failure (3),Unique Incident (3),Forced Outage/Emergency (1)
BRIDGE STREET	2022	10	1,463	636	Weather (3),Equipment Failure (2),Unique Incident (2),Public Damage (1),Animal (1),Trees (1)
BRIDGE STREET	2023	12	225	196	Weather (3),Trees (3),Equipment Failure (3),No Specific Cause Found (1),Car/Pole Accident (1),Unique Incident (1)
BRIDGE STREET	2024	7	2,288	807	Trees (2),Unique Incident (2),Public Damage (1),Forced Outage/Emergency (1),Car/Pole Accident (1)
STADIUM	2020	20	5,743	2,863	Equipment Failure (7),Trees (6),Bird (3),Planned/Scheduled (3),Car/Pole Accident (1)
STADIUM	2021	22	2,861	2,101	Trees (7),Planned/Scheduled (7),Equipment Failure (4),Forced Outage/Emergency (2),No Specific Cause Found (1),Weather (1)

STADIUM	2022	21	317	231	Trees (12),No Specific Cause Found (3),Equipment Failure (2),Unique Incident (1),Animal (1),Forced Outage/Emergency (1),Car/Pole Accident (1)
STADIUM	2023	17	1,166	644	Trees (10),Weather (2),No Specific Cause Found (2),Public Damage (1),Equipment Failure (1),Animal (1)
STADIUM	2024	25	3,759	1,230	Weather (5),Trees (5),No Specific Cause Found (4),Trees - Outside ROW (3),Unique Incident (3),Forced Outage/Emergency (2),Lightning (1),Animal (1),Equipment Failure (1)
ASHMAN CIRCLE	2020	54	5,786	1,462	Equipment Failure (15),Trees (15),Planned/Scheduled (4),Forced Outage/Emergency (4),Unique Incident (3),Animal (3),Weather (2),Trees - Outside ROW (2),Public Damage (2),Transmission/Generation (1),No Specific Cause Found (1),Public Tree Trimming (1)
ASHMAN CIRCLE	2021	72	3,428	1,192	Trees (22),Equipment Failure (11),Unique Incident (9),Forced Outage/Emergency (9),Planned/Scheduled (8),Weather (8),Trees - Outside ROW (2),Animal (2),Car/Pole Accident (1)
ASHMAN CIRCLE	2022	36	15,371	6,331	Trees (12),Equipment Failure (9),Forced Outage/Emergency (6),Animal (3),No Specific Cause Found (3),Unique Incident (2),Transmission/Generation (1)
ASHMAN CIRCLE	2023	35	962	325	Trees (12),Equipment Failure (7),No Specific Cause Found (5),Weather (4),Animal (3),Forced Outage/Emergency (3),Unique Incident (1)
ASHMAN CIRCLE	2024	45	2,375	699	Trees (16),Equipment Failure (11),No Specific Cause Found (5),Weather (5),Forced Outage/Emergency (4),Unique Incident (2),Animal (1),Public Damage (1)
MARNE	2020	110	10,954	2,309	Animal (31),Trees (26),Planned/Scheduled (16),Equipment Failure (12),Weather (6),Unique Incident (4),No Specific Cause Found (4),Car/Pole Accident (3),Trees - Outside ROW (2),Public Damage (2),Lightning (2),Forced Outage/Emergency (1),Bird (1)
MARNE	2021	67	3,227	823	Trees (25),Animal (15),Equipment Failure (9),No Specific Cause Found (7),Trees - Outside ROW (4),Weather (4),Bird (1),Unique Incident (1),Planned/Scheduled (1)
MARNE	2022	65	4,254	1,531	Equipment Failure (19),Animal (18),Trees (11),No Specific Cause Found (9),Car/Pole Accident (2),Weather (2),Unique Incident (2),Public Tree Trimming (1),Public Damage (1)
MARNE	2023	77	3,480	1,242	Animal (25),Trees (13),Equipment Failure (8),No Specific Cause Found (7),Unique Incident (7),Trees - Outside ROW (6),Weather (5),Forced Outage/Emergency (3),Car/Pole Accident (1),Lightning (1),Public Damage (1)
MARNE	2024	80	3,403	1,400	Trees (29),Animal (20),Weather (8),No Specific Cause Found (6),Trees - Outside ROW (3),Lightning (3),Equipment Failure (3),Unique Incident (3),Bird (3),Forced Outage/Emergency (2)
SUNFIELD	2020	48	4,807	1,478	Equipment Failure (13),Trees (12),Planned/Scheduled (5),Lightning (3),Animal (3),No Specific Cause Found (3),Public Damage (3),Trees - Outside ROW (2),Car/Pole Accident (1),Weather (1),Forced Outage/Emergency (1),Unique Incident (1)
SUNFIELD	2021	55	2,616	1,459	Trees (14),Equipment Failure (12),Weather (6),Planned/Scheduled (5),Car/Pole Accident (4),No Specific Cause Found (4),Animal (3),Public Damage (2),Unique Incident (2),Forced Outage/Emergency (1),Public Tree Trimming (1),Lightning (1)
SUNFIELD	2022	39	5,706	1,866	Equipment Failure (16),Trees (9),Weather (4),No Specific Cause Found (4),Animal (3),Lightning (2),Public Damage (1)
SUNFIELD	2023	58	8,717	2,521	Trees (19),Equipment Failure (14),Lightning (10),Weather (7),No Specific Cause Found (5),Unique Incident (1),Car/Pole Accident (1),Trees - Outside ROW (1)
SUNFIELD	2024	58	3,468	998	Trees (22),Equipment Failure (12),Lightning (10),Animal (7),Weather (4),No Specific Cause Found (3)
HOWARD CITY	2020	81	26,495	4,869	Trees (27),Equipment Failure (18),Planned/Scheduled (8),Animal (7),Weather (7),No Specific Cause Found (3),Trees - Outside ROW (3),Lightning (2),Public Damage (2),Bird (1),Car/Pole Accident (1),Unique Incident (1),Forced Outage/Emergency (1)
HOWARD CITY	2021	71	9,503	3,186	Trees (26),Equipment Failure (16),No Specific Cause Found (7),Planned/Scheduled (5),Unique Incident (4),Animal (3),Public Damage (3),Trees - Outside ROW (3),Lightning (2),Bird (1),Weather (1)
HOWARD CITY	2022	57	2,102	701	Trees (20),Equipment Failure (10),Animal (9),No Specific Cause Found (8),Weather (6),Trees - Outside ROW (3),Unique Incident (2),Lightning (1)
HOWARD CITY	2023	106	13,392	2,483	Trees (33),Equipment Failure (15),No Specific Cause Found (14),Animal (13),Weather (11),Lightning (6),Trees - Outside ROW (4),Public Damage (3),Bird (2),Car/Pole Accident (2),Forced Outage/Emergency (2),Unique Incident (1)
HOWARD CITY	2024	78	8,120	2,782	Trees (30),Equipment Failure (18),Animal (11),No Specific Cause Found (18),Trees - Outside ROW (4),Weather (3),Unique Incident (1),Car/Pole Accident (1),Lightning (1),Forced Outage/Emergency (1)
BOSTON SQUARE	2020	110	20,800	11,128	Planned/Scheduled (26),Animal (24),Trees (16),Weather (15),Car/Pole Accident (9),Unique Incident (7),Equipment Failure (7),No Specific Cause Found (2),Forced Outage/Emergency (2),Public Damage (1),Bird (1)
BOSTON SQUARE	2021	121	21,708	9,740	Planned/Scheduled (36),Trees (25),Equipment Failure (17),Animal (14),Unique Incident (10),Weather (5),Public Damage (5),No Specific Cause Found (3),Trees - Outside ROW (3),Forced Outage/Emergency (1),Bird (1),Car/Pole Accident (1)
BOSTON SQUARE	2022	82	18,083	3,072	Animal (20),Equipment Failure (17),Weather (12),Trees (11),Forced Outage/Emergency (5),Trees - Outside ROW (5),Unique Incident (5),Public Damage (4),Car/Pole Accident (2),Lightning (1)
BOSTON SQUARE	2023	66	14,353	4,683	Animal (21),Equipment Failure (12),Trees (7),Weather (7),Unique Incident (5),Bird (4),Car/Pole Accident (4),Lightning (3),No Specific Cause Found (2),Forced Outage/Emergency (1)
BOSTON SQUARE	2024	79	3,483	1,507	No Specific Cause Found (18),Animal (16),Trees (13),Equipment Failure (10),Forced Outage/Emergency (10),Unique Incident (4),Car/Pole Accident (3),Weather (3),Trees - Outside ROW (1),Bird (1)
COMSTOCK	2020	42	1,500	575	Trees (15),Equipment Failure (6),Planned/Scheduled (6),No Specific Cause Found (5),Trees - Outside ROW (3),Animal (2),Unique Incident (2),Weather (2),Car/Pole Accident (1)
COMSTOCK	2021	56	8,587	1,808	Trees (19),Equipment Failure (10),Planned/Scheduled (10),Weather (6),Trees - Outside ROW (3),No Specific Cause Found (3),Unique Incident (3),Car/Pole Accident (1),Lightning (1)
COMSTOCK	2022	60	4,840	2,607	Trees (21),Equipment Failure (14),No Specific Cause Found (7),Animal (4),Trees - Outside ROW (4),Unique Incident (4),Weather (3),Car/Pole Accident (2),Forced Outage/Emergency (1)
COMSTOCK	2023	71	3,651	1,920	Trees (23),Weather (12),Trees - Outside ROW (11),Animal (9),No Specific Cause Found (6),Unique Incident (4),Equipment Failure (4),Forced Outage/Emergency (1),Bird (1)
COMSTOCK	2024	40	1,294	663	Trees (17),Weather (6),No Specific Cause Found (4),Unique Incident (3),Equipment Failure (3),Trees - Outside ROW (3),Car/Pole Accident (1),Animal (1),Public Damage (1),Forced Outage/Emergency (1)
PIERSON	2020	61	2,386	791	Trees (21),Equipment Failure (9),No Specific Cause Found (8),Trees - Outside ROW (5),Animal (5),Planned/Scheduled (4),Weather (3),Forced Outage/Emergency (3),Unique Incident (1),Bird (1),Public Damage (1)
PIERSON	2021	35	5,544	1,697	Equipment Failure (13),Trees (9),Animal (5),Public Tree Trimming (4),Unique Incident (1),Weather (1),Trees - Outside ROW (1),Lightning (1)
PIERSON	2022	42	4,987	2,135	Trees (13),Equipment Failure (12),Weather (3),Bird (3),No Specific Cause Found (3),Lightning (2),Animal (2),Public Damage (2),Trees - Outside ROW (2)
PIERSON	2023	44	1,691	548	Trees (12),Equipment Failure (8),Animal (7),No Specific Cause Found (6),Weather (4),Lightning (4),Bird (2),Trees - Outside ROW (1)
PIERSON	2024	43	3,370	1,457	Trees (20),Equipment Failure (6),Forced Outage/Emergency (5),Animal (3),Unique Incident (2),Weather (2),Public Damage (2),No Specific Cause Found (2),Bird (1)
VAN BUREN	2020	44	2,879	1,281	Animal (13),No Specific Cause Found (8),Equipment Failure (6),Trees (4),Planned/Scheduled (4),Public Damage (2),Forced Outage/Emergency (2),Weather (2),Bird (1),Lightning (1),Unique Incident (1),Car/Pole Accident (1)
VAN BUREN	2021	59	4,965	2,117	Equipment Failure (15),Trees (13),Animal (11),Planned/Scheduled (6),Trees - Outside ROW (4),No Specific Cause Found (4),Public Damage (2),Lightning (3)
VAN BUREN	2022	50	4,092	1,121	Animal (22),Equipment Failure (9),Trees (8),Public Damage (5),Trees - Outside ROW (2),Weather (2),Unique Incident (1),No Specific Cause Found (1)
VAN BUREN	2023	59	3,239	1,311	Trees (18),Animal (13),Equipment Failure (10),Unique Incident (5),Trees - Outside ROW (3),Lightning (2),Weather (2),No Specific Cause Found (2),Public Damage (2),Forced Outage/Emergency (2)
VAN BUREN	2024	75	5,280	1,956	Animal (32),Equipment Failure (12),Trees (9),Car/Pole Accident (5),Trees - Outside ROW (4),Weather (3),Unique Incident (3),No Specific Cause Found (3),Transmission/Generation (1),Public Tree Trimming (1),Forced Outage/Emergency (1),Public Damage (1)
AU GRES	2020	63	4,343	1,784	Trees (20),Equipment Failure (14),Planned/Scheduled (13),No Specific Cause Found (4),Trees - Outside ROW (4),Public Damage (2),Weather (2),Forced Outage/Emergency (2),Unique Incident (1),Animal (1)
AU GRES	2021	45	6,290	1,571	Equipment Failure (12),Trees (11),Trees - Outside ROW (8),Planned/Scheduled (5),Unique Incident (3),Lightning (2),Bird (1),Weather (1),Car/Pole Accident (1),Animal (1)
AU GRES	2022	44	3,424	1,659	Unique Incident (10),No Specific Cause Found (8),Weather (7),Trees (6),Equipment Failure (5),Trees - Outside ROW (3),Car/Pole Accident (2),Animal (1),Forced Outage/Emergency (1),Bird (1)
AU GRES	2023	53	11,542	2,042	Trees (17),Weather (11),Equipment Failure (7),Trees - Outside ROW (6),Unique Incident (4),Forced Outage/Emergency (3),No Specific Cause Found (3),Animal (2)
AU GRES	2024	32	1,205	740	Equipment Failure (11),Unique Incident (7),Forced Outage/Emergency (4),Weather (3),Trees (3),No Specific Cause Found (2),Public Damage (1),Animal (1)
NORGE MACHINE	2020	33	12,071	3,098	Animal (11),Trees (7),Equipment Failure (5),No Specific Cause Found (5),Planned/Scheduled (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Weather (1)
NORGE MACHINE	2021	38	10,567	4,582	Equipment Failure (10),Trees (8),Planned/Scheduled (8),Public Damage (3),No Specific Cause Found (2),Animal (2),Car/Pole Accident (1),Unique Incident (1),Public Tree Trimming (1),Weather (1),Trees - Outside ROW (1)
NORGE MACHINE	2022	31	9,676	4,405	Trees (9),Animal (7),Equipment Failure (6),Weather (3),No Specific Cause Found (2),Public Damage (1),Trees - Outside ROW (1),Unique Incident (1),Forced Outage/Emergency (1)
NORGE MACHINE	2023	22	295	752	Animal (6),Trees (5),Equipment Failure (3),Weather (2),No Specific Cause Found (2),Bird (1),Car/Pole Accident (1),Forced Outage/Emergency (1),Unique Incident (1)
NORGE MACHINE	2024	35	4,802	2,272	Trees (10),Equipment Failure (5),Animal (5),Weather (4),Unique Incident (4),No Specific Cause Found (3),Forced Outage/Emergency (2),Trees - Outside ROW (1),Car/Pole Accident (1)
NORTH ALLEGAN	2020	28	4,610	1,003	Trees (8),Equipment Failure (7),Planned/Scheduled (3),No Specific Cause Found (3),Animal (2),Car/Pole Accident (1),Trees - Outside ROW (1),Weather (1),Unique Incident (1),Public Damage (1)
NORTH ALLEGAN	2021	40	5,416	1,356	Trees (7),Planned/Scheduled (5),Weather (5),Trees - Outside ROW (5),No Specific Cause Found (5),Unique Incident (4),Equipment Failure (4),Lightning (2),Public Damage (1),Car/Pole Accident (1),Forced Outage/Emergency (1)
NORTH ALLEGAN	2022	32	7,013	2,081	Equipment Failure (7),Trees (6),No Specific Cause Found (6),Trees - Outside ROW (4),Forced Outage/Emergency (3),Lightning (1),Animal (1),Weather (1),Car/Pole Accident (1),Bird (1),Unique Incident (1)
NORTH ALLEGAN	2023	25	1,053	756	Trees (5),No Specific Cause Found (5),Equipment Failure (5),Unique Incident (3),Trees - Outside ROW (2),Weather (2),Bird (1),Animal (1),Forced Outage/Emergency (1)
NORTH ALLEGAN	2024	57	7,060	1,131	Trees (22),Weather (11),No Specific Cause Found (9),Equipment Failure (5),Trees - Outside ROW (5),Unique Incident (2),Bird (2),Animal (1)
LITCHFIELD	2020	49	12,653	2,167	Trees (17),Equipment Failure (8),Animal (5),Trees - Outside ROW (5),Weather (4),No Specific Cause Found (4),Lightning (3),Planned/Scheduled (1),Public Damage (1),Unique Incident (1)
LITCHFIELD	2021	77	50,244	1,253	Trees (28),Equipment Failure (12),Weather (11),No Specific Cause Found (10),Planned/Scheduled (6),Public Damage (2),Lightning (2),Trees - Outside ROW (2),Forced Outage/Emergency (2),Unique Incident (1),Animal (1)
LITCHFIELD	2022	53	3,735	1,975	Trees (18),No Specific Cause Found (12),Equipment Failure (9),Weather (9),Trees - Outside ROW (3),Animal (1),Car/Pole Accident (1),Lightning (1)
LITCHFIELD	2023	46	2,847	2,250	Trees (15),No Specific Cause Found (9),Equipment Failure (4),Trees - Outside ROW (4),Animal (3),Weather (3),Lightning (2),Car/Pole Accident (2),Unique Incident (1),Bird (1),Public Damage (1)
LITCHFIELD	2024	36	2,721	1,017	Trees (15),No Specific Cause Found (7),Weather (6),Trees - Outside ROW (4),Equipment Failure (3),Unique Incident (1)
EAST GRANT	2020	24	2,225	726	Trees (11),Equipment Failure (6),Trees - Outside ROW (3),Planned/Scheduled (3),Car/Pole Accident (1)
EAST GRANT	2021	38	5,086	1,592	Trees (19),Planned/Scheduled (6),Equipment Failure (5),Car/Pole Accident (3),No Specific Cause Found (3),Unique Incident (2)
EAST GRANT	2022	25	4,484	520	Trees (16),Equipment Failure (3),No Specific Cause Found (2),Trees - Outside ROW (1),Animal (1),Bird (1),Weather (1)
EAST GRANT	2023	65	2,177	290	Weather (43),No Specific Cause Found (13),Trees (6),Equipment Failure (1),Trees - Outside ROW (1),Unique Incident (1)
EAST GRANT	2024	28	936	333	Trees (15),Equipment Failure (4),Trees - Outside ROW (2),Unique Incident (2),No Specific Cause Found (2),Forced Outage/Emergency (2),Animal (1)
HARRISON	2020	170	12,613	4,629	Trees (38),Equipment Failure (27),Planned/Scheduled (25),Weather (19),Forced Outage/Emergency (19),Trees - Outside ROW (17),No Specific Cause Found (10),Lightning (5),Animal (3),Public Damage (2),Unique Incident (2),Car/Pole Accident (2),Public Tree Trimming (1)
HARRISON	2021	135	22,099	5,922	Trees (51),Equipment Failure (28),Weather (14),No Specific Cause Found (6),Forced Outage/Emergency (6),Unique Incident (6),Planned/Scheduled (6),Trees - Outside ROW (6),Car/Pole Accident (5),Public Damage (4),Animal (3)
HARRISON	2022	100	7,900	3,501	Trees (38),Equipment Failure (14),Weather (12),Trees - Outside ROW (10),Unique Incident (8),No Specific Cause Found (6),Forced Outage/Emergency (4),Public Damage (3),Animal (2),Lightning (1),Public Tree Trimming (1),Bird (1)
HARRISON	2023	87	11,559	5,245	Trees (39),Unique Incident (11),No Specific Cause Found (9),Trees - Outside ROW (7),Equipment Failure (7),Forced Outage/Emergency (4),Lightning (4),Weather (2),Public Damage (2),Bird (1),Animal (1)
HARRISON	2024	143	12,501	4,876	Trees (54),Trees - Outside ROW (25),Weather (17),Equipment Failure (14),No Specific Cause Found (10),Forced Outage/Emergency (8),Animal (5),Unique Incident (4),Car/Pole Accident (3),Lightning (2),Bird (1)
BURROWS	2020	82	5,707	1,611	Trees (45),Weather (8),Equipment Failure (7),Forced Outage/Emergency (7),Planned/Scheduled (6),Animal (5),Car/Pole Accident (2),Unique Incident (1),Public Tree Trimming (1)
BURROWS	2021	82	8,270	2,726	Trees (35),Equipment Failure (14),Planned/Scheduled (11),Forced Outage/Emergency (6),Unique Incident (5),Weather (4),Trees - Outside ROW (2),No Specific Cause Found (2),Bird (1),Animal (1),Car/Pole Accident (1)
BURROWS	2022	68	6,834	2,277	Trees (31),Forced Outage/Emergency (10),Equipment Failure (10),No Specific Cause Found (6),Unique Incident (4),Weather (2),Animal (2),Trees - Outside ROW (1),Public Tree Trimming (1),Public Damage (1)
BURROWS	2023	48	35,665	9,065	Equipment Failure (12),Trees (12),Weather (6),No Specific Cause Found (5),Trees - Outside ROW (3),Unique Incident (3),Animal (2),Forced Outage/Emergency (2),Bird (1),Public Tree Trimming (1),Public Damage (1)
BURROWS	2024	49	4,691	1,201	Trees (14),Car/Pole Accident (8),No Specific Cause Found (6),Equipment Failure (5),Animal (4),Forced Outage/Emergency (4),Unique Incident (3),Trees - Outside ROW (3),Weather (2)
DIMONDALE	2020	57	6,402	2,447	Equipment Failure (16),Planned/Scheduled (15),Trees (12),Car/Pole Accident (3),Animal (3),Forced Outage/Emergency (2),Public Damage (2),Unique Incident (2),No Specific Cause Found (1),Trees - Outside ROW (1)
DIMONDALE	2021	75	3,328	1,181	Equipment Failure (22),Trees (19),Planned/Scheduled (8),Weather (6),Lightning (6),Unique Incident (5),No Specific Cause Found (4),Animal (4),Car/Pole Accident (1)
DIMONDALE	2022	57	9,100	5,639	Trees (17),Equipment Failure (11),Animal (6),No Specific Cause Found (6),Transmission/Generation (5),Unique Incident (3),Trees - Outside ROW (2),Weather (2),Forced Outage/Emergency (2),Lightning (1),Car/Pole Accident (1),Public Damage (1)
DIMONDALE	2023	130	22,043	4,687	Trees (52),No Specific Cause Found (23),Weather (18),Equipment Failure (15),Animal (10),Unique Incident (4),Lightning (3),Trees - Outside ROW (2),Car/Pole Accident (1),Forced Outage/Emergency (1),Bird (1)
DIMONDALE	2024	62	15,704	4,881	Equipment Failure (16),Trees (16),No Specific Cause Found (10),Animal (6),Car/Pole Accident (4),Weather (4),Trees - Outside ROW (3),Unique Incident (1),Forced Outage/Emergency (1),Public Tree Trimming (1)

POTTER	2020	14	602	130 Car/Pole Accident (3),Trees (3),Planned/Scheduled (3),Equipment Failure (3),Animal (1),Forced Outage/Emergency (1)
POTTER	2021	17	464	98 Equipment Failure (6),Trees (5),Planned/Scheduled (3),Weather (1),No Specific Cause Found (1),Forced Outage/Emergency (1)
POTTER	2022	10	214	55 Unique Incident (3),Forced Outage/Emergency (2),Trees (2),Equipment Failure (2),Weather (1)
POTTER	2023	8	2,775	478 Equipment Failure (5),Trees (2),Car/Pole Accident (1)
POTTER	2024	11	2,673	515 Trees (4),Equipment Failure (2),No Specific Cause Found (2),Car/Pole Accident (2),Weather (1)
HICKORY	2020	32	777	358 Equipment Failure (7),Trees (6),Planned/Scheduled (4),Animal (4),No Specific Cause Found (3),Public Damage (3),Trees - Outside ROW (2),Weather (1),Car/Pole Accident (1),Lightning (1)
HICKORY	2021	40	2,071	904 Trees (12),Equipment Failure (11),Trees - Outside ROW (5),No Specific Cause Found (5),Animal (3),Planned/Scheduled (2),Unique Incident (1),Weather (1)
HICKORY	2022	25	1,801	728 Equipment Failure (7),No Specific Cause Found (5),Animal (4),Trees (3),Public Damage (2),Weather (2),Car/Pole Accident (1),Trees - Outside ROW (1)
HICKORY	2023	29	2,078	886 Animal (8),Trees (8),Equipment Failure (4),No Specific Cause Found (3),Car/Pole Accident (2),Trees - Outside ROW (2),Public Damage (1),Weather (1)
HICKORY	2024	39	2,565	924 Trees (9),No Specific Cause Found (8),Equipment Failure (7),Animal (7),Weather (4),Forced Outage/Emergency (2),Trees - Outside ROW (1),Public Damage (1)
HULL STREET	2020	161	43,399	13,344 Trees (42),Equipment Failure (32),Weather (28),Animal (15),No Specific Cause Found (14),Trees - Outside ROW (13),Planned/Scheduled (6),Public Damage (4),Forced Outage/Emergency (2),Lightning (2),Bird (2),Unique Incident (1)
HULL STREET	2021	128	17,125	5,237 Trees (46),Equipment Failure (23),Animal (12),No Specific Cause Found (10),Planned/Scheduled (9),Trees - Outside ROW (9),Weather (8),Unique Incident (4),Car/Pole Accident (2),Lightning (2),Public Damage (2),Forced Outage/Emergency (1)
HULL STREET	2022	158	20,940	6,397 Trees (66),Equipment Failure (29),Animal (21),No Specific Cause Found (17),Trees - Outside ROW (7),Weather (6),Lightning (3),Unique Incident (3),Forced Outage/Emergency (2),Public Damage (2),Bird (1),Car/Pole Accident (1)
HULL STREET	2023	174	20,997	7,600 Trees (71),Animal (25),Weather (22),No Specific Cause Found (18),Equipment Failure (15),Unique Incident (10),Trees - Outside ROW (5),Public Damage (2),Bird (2),Lightning (2),Public Tree Trimming (1),Car/Pole Accident (1)
HULL STREET	2024	140	22,104	4,960 Trees (48),Weather (18),Animal (18),No Specific Cause Found (15),Equipment Failure (14),Unique Incident (8),Trees - Outside ROW (7),Lightning (6),Forced Outage/Emergency (2),Bird (2),Public Damage (1),Car/Pole Accident (1)
KAWKAWLIN	2020	43	1,110	545 Weather (10),Trees (7),Equipment Failure (7),Forced Outage/Emergency (5),Animal (5),Planned/Scheduled (3),Unique Incident (2),Lightning (2),Public Tree Trimming (1),Car/Pole Accident (1)
KAWKAWLIN	2021	87	2,167	1,246 Planned/Scheduled (35),Trees (15),Equipment Failure (11),Unique Incident (6),Weather (5),No Specific Cause Found (5),Forced Outage/Emergency (4),Animal (3),Car/Pole Accident (2),Trees - Outside ROW (1)
KAWKAWLIN	2022	31	4,987	2,848 Trees (11),Equipment Failure (7),Animal (3),Forced Outage/Emergency (2),Weather (2),No Specific Cause Found (2),Unique Incident (2),Trees - Outside ROW (1),Car/Pole Accident (1)
KAWKAWLIN	2023	30	2,196	648 Trees (13),Equipment Failure (8),Bird (2),Unique Incident (2),Trees - Outside ROW (2),Public Damage (1),Public Tree Trimming (1),No Specific Cause Found (1)
KAWKAWLIN	2024	25	2,747	784 No Specific Cause Found (9),Equipment Failure (3),Trees (3),Trees - Outside ROW (2),Animal (2),Bird (2),Forced Outage/Emergency (2),Weather (1),Public Damage (1)
BYRON CENTER	2020	59	16,296	6,150 Animal (17),Planned/Scheduled (11),Trees (7),Equipment Failure (6),Public Damage (5),Bird (4),No Specific Cause Found (4),Weather (2),Trees - Outside ROW (2),Unique Incident (1)
BYRON CENTER	2021	60	11,480	3,498 Equipment Failure (15),Trees (8),Public Damage (5),No Specific Cause Found (5),Trees - Outside ROW (5),Car/Pole Accident (5),Animal (4),Weather (4),Unique Incident (3),Forced Outage/Emergency (3),Planned/Scheduled (2),Bird (1)
BYRON CENTER	2022	47	5,937	3,125 Trees (14),Equipment Failure (13),Weather (7),No Specific Cause Found (4),Animal (4),Unique Incident (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Lightning (1)
BYRON CENTER	2023	46	5,330	1,916 Equipment Failure (16),Animal (8),Trees (6),No Specific Cause Found (5),Public Damage (3),Weather (2),Unique Incident (2),Lightning (2),Trees - Outside ROW (1),Car/Pole Accident (1)
BYRON CENTER	2024	69	4,578	4,391 Animal (14),Equipment Failure (13),Unique Incident (11),Trees (9),No Specific Cause Found (8),Public Damage (6),Weather (3),Trees - Outside ROW (2),Car/Pole Accident (2),Forced Outage/Emergency (1)
ST CHARLES	2020	52	8,987	2,613 Trees (12),Planned/Scheduled (12),Equipment Failure (11),No Specific Cause Found (4),Unique Incident (3),Animal (3),Weather (2),Trees - Outside ROW (2),Forced Outage/Emergency (2),Public Damage (1)
ST CHARLES	2021	69	7,362	2,406 Trees (32),Weather (8),Equipment Failure (6),Unique Incident (6),Car/Pole Accident (5),Planned/Scheduled (3),Forced Outage/Emergency (3),No Specific Cause Found (2),Lightning (2),Public Tree Trimming (1),Animal (1)
ST CHARLES	2022	53	8,630	3,327 Equipment Failure (16),Trees (15),No Specific Cause Found (4),Animal (4),Unique Incident (3),Weather (3),Forced Outage/Emergency (3),Public Damage (3),Car/Pole Accident (2)
ST CHARLES	2023	66	11,627	2,316 Trees (21),Equipment Failure (9),Weather (8),Trees - Outside ROW (6),Animal (5),Unique Incident (5),No Specific Cause Found (5),Lightning (3),Forced Outage/Emergency (2),Car/Pole Accident (2)
ST CHARLES	2024	45	6,480	1,901 Trees (23),Equipment Failure (6),Unique Incident (4),Trees - Outside ROW (3),No Specific Cause Found (3),Bird (2),Forced Outage/Emergency (2),Weather (1),Animal (1)
HUDSONVILLE	2020	58	4,491	2,211 Equipment Failure (16),Animal (11),Trees (9),No Specific Cause Found (6),Unique Incident (6),Planned/Scheduled (4),Car/Pole Accident (4),Public Damage (1),Weather (1)
HUDSONVILLE	2021	45	3,549	1,436 Equipment Failure (11),Trees (9),Planned/Scheduled (6),Animal (6),No Specific Cause Found (2),Lightning (2),Public Damage (2),Forced Outage/Emergency (2),Weather (2),Unique Incident (1),Trees - Outside ROW (1),Car/Pole Accident (1)
HUDSONVILLE	2022	57	3,343	792 Animal (17),Equipment Failure (14),No Specific Cause Found (8),Trees (7),Trees - Outside ROW (4),Forced Outage/Emergency (2),Unique Incident (1),Public Damage (1),Weather (1),Car/Pole Accident (1),Bird (1)
HUDSONVILLE	2023	42	1,163	427 Animal (16),Equipment Failure (13),Trees (4),Weather (2),No Specific Cause Found (2),Car/Pole Accident (1),Public Damage (1),Bird (1)
HUDSONVILLE	2024	103	10,334	5,128 Trees (32),No Specific Cause Found (21),Animal (17),Equipment Failure (16),Trees - Outside ROW (8),Weather (4),Public Damage (4),Bird (3),Unique Incident (3),Forced Outage/Emergency (2),Lightning (1),Car/Pole Accident (1)
FRUITPORT	2020	70	3,012	1,043 Trees (22),Animal (17),Equipment Failure (12),Planned/Scheduled (5),No Specific Cause Found (5),Trees - Outside ROW (4),Unique Incident (2),Forced Outage/Emergency (1),Transmission/Generation (1),Weather (1)
FRUITPORT	2021	63	7,939	3,984 Animal (13),Trees (11),Equipment Failure (9),Trees - Outside ROW (7),Planned/Scheduled (7),No Specific Cause Found (6),Weather (4),Car/Pole Accident (3),Lightning (1),Unique Incident (1),Public Damage (1)
FRUITPORT	2022	71	5,365	1,979 Animal (27),Equipment Failure (13),Trees (12),Trees - Outside ROW (11),No Specific Cause Found (8)
FRUITPORT	2023	65	9,277	4,129 Animal (21),Trees (16),Equipment Failure (12),No Specific Cause Found (7),Trees - Outside ROW (5),Forced Outage/Emergency (3),Weather (1)
FRUITPORT	2024	104	20,059	6,142 Trees (31),Animal (19),No Specific Cause Found (16),Trees - Outside ROW (12),Weather (10),Equipment Failure (8),Forced Outage/Emergency (4),Unique Incident (2),Lightning (1),Car/Pole Accident (1)
BELSA	2020	96	20,626	5,922 Planned/Scheduled (31),Equipment Failure (24),Trees (19),Forced Outage/Emergency (9),Weather (6),Animal (3),No Specific Cause Found (2),Bird (1),Trees - Outside ROW (1)
BELSA	2021	53	6,280	2,084 Trees (24),Equipment Failure (8),Forced Outage/Emergency (7),Weather (5),Planned/Scheduled (3),Car/Pole Accident (2),No Specific Cause Found (2),Public Damage (1),Animal (1)
BELSA	2022	48	35,812	4,748 Trees (10),Forced Outage/Emergency (7),Animal (6),Equipment Failure (6),No Specific Cause Found (5),Weather (4),Unique Incident (3),Public Damage (3),Lightning (2),Car/Pole Accident (1),Public Tree Trimming (1)
BELSA	2023	31	5,945	1,522 Equipment Failure (8),Trees (7),No Specific Cause Found (6),Forced Outage/Emergency (2),Trees - Outside ROW (2),Weather (2),Animal (1),Lightning (1),Unique Incident (1),Bird (1)
BELSA	2024	36	2,139	724 Trees (17),Equipment Failure (7),Forced Outage/Emergency (5),Weather (3),Animal (1),No Specific Cause Found (1),Unique Incident (1),Public Tree Trimming (1)
CARROLLTON	2020	20	2,318	608 Trees (8),Planned/Scheduled (4),Weather (2),Equipment Failure (2),Lightning (1),No Specific Cause Found (1),Unique Incident (1),Forced Outage/Emergency (1)
CARROLLTON	2021	40	3,081	867 Trees (15),Weather (11),Car/Pole Accident (4),Equipment Failure (4),Planned/Scheduled (3),Trees - Outside ROW (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
CARROLLTON	2022	19	321	113 Equipment Failure (7),Trees (4),Unique Incident (2),Forced Outage/Emergency (2),No Specific Cause Found (2),Public Damage (1),Weather (1)
CARROLLTON	2023	10	4,913	2,018 Equipment Failure (6),Trees (1),Bird (1),Weather (1),No Specific Cause Found (1)
CARROLLTON	2024	11	158	90 Weather (3),Equipment Failure (2),Trees (2),Bird (1),Trees - Outside ROW (1),Car/Pole Accident (1),No Specific Cause Found (1)
ULMER	2020	17	117	28 Equipment Failure (7),Trees (3),Weather (3),No Specific Cause Found (2),Bird (1),Planned/Scheduled (1)
ULMER	2021	22	5,511	1,090 Equipment Failure (8),Trees (4),Planned/Scheduled (4),Trees - Outside ROW (2),Forced Outage/Emergency (1),No Specific Cause Found (1),Public Tree Trimming (1),Bird (1)
ULMER	2022	22	686	251 No Specific Cause Found (8),Equipment Failure (4),Forced Outage/Emergency (3),Trees (2),Weather (2),Animal (2),Trees - Outside ROW (1)
ULMER	2023	20	747	502 Equipment Failure (6),Trees (6),Bird (2),Forced Outage/Emergency (2),Unique Incident (1),No Specific Cause Found (1),Weather (1),Public Damage (1)
ULMER	2024	20	1,062	292 Equipment Failure (8),Trees (2),Forced Outage/Emergency (2),No Specific Cause Found (2),Unique Incident (2),Trees - Outside ROW (1),Animal (1),Car/Pole Accident (1),Weather (1)
FRONTIER	2020	60	4,267	1,926 No Specific Cause Found (18),Equipment Failure (16),Trees (6),Trees - Outside ROW (4),Weather (4),Unique Incident (4),Planned/Scheduled (4),Forced Outage/Emergency (1),Public Tree Trimming (1),Lightning (1),Car/Pole Accident (1)
FRONTIER	2021	52	1,010	356 No Specific Cause Found (17),Equipment Failure (9),Trees (6),Planned/Scheduled (6),Weather (5),Unique Incident (4),Trees - Outside ROW (2),Animal (1),Public Tree Trimming (1),Bird (1)
FRONTIER	2022	70	13,535	2,073 Equipment Failure (17),Weather (16),No Specific Cause Found (14),Trees (7),Unique Incident (5),Trees - Outside ROW (5),Lightning (2),Animal (2),Car/Pole Accident (1),Bird (1)
FRONTIER	2023	64	2,326	768 No Specific Cause Found (18),Weather (14),Trees (13),Equipment Failure (6),Unique Incident (3),Animal (3),Car/Pole Accident (2),Public Damage (2),Bird (1),Forced Outage/Emergency (1),Trees - Outside ROW (1)
FRONTIER	2024	43	2,970	1,365 No Specific Cause Found (13),Trees (11),Equipment Failure (9),Weather (5),Trees - Outside ROW (2),Animal (1),Lightning (1),Forced Outage/Emergency (1)
LIBERTY	2020	100	7,895	3,695 Planned/Scheduled (33),No Specific Cause Found (20),Equipment Failure (13),Trees (10),Weather (8),Forced Outage/Emergency (5),Animal (3),Car/Pole Accident (3),Public Damage (2),Lightning (1),Transmission/Generation (1),Unique Incident (1)
LIBERTY	2021	34	4,418	807 Trees (8),Planned/Scheduled (5),Equipment Failure (8),Weather (6),Animal (1),Public Damage (1),Forced Outage/Emergency (1),Public Tree Trimming (1)
LIBERTY	2022	41	6,208	2,728 No Specific Cause Found (10),Trees (10),Equipment Failure (8),Weather (6),Car/Pole Accident (4),Animal (1),Bird (1),Unique Incident (1)
LIBERTY	2023	34	3,272	1,666 Animal (7),Trees (7),Equipment Failure (5),Car/Pole Accident (4),No Specific Cause Found (4),Unique Incident (3),Public Tree Trimming (2),Public Damage (1),Trees - Outside ROW (1)
LIBERTY	2024	15	7,203	2,066 Equipment Failure (8),Weather (5),Trees (4),Trees - Outside ROW (2),Bird (2),No Specific Cause Found (2),Unique Incident (1),Animal (1)
EDDY	2020	24	346	95 Planned/Scheduled (6),Trees (4),Equipment Failure (2),Car/Pole Accident (1),Animal (1)
EDDY	2021	11	111	35 Equipment Failure (6),Weather (2),Trees (1),Bird (1),Unique Incident (1)
EDDY	2022	6	317	63 Equipment Failure (2),Car/Pole Accident (1),Animal (1),Unique Incident (1),No Specific Cause Found (1)
EDDY	2023	10	642	107 No Specific Cause Found (3),Equipment Failure (3),Trees (1),Animal (1),Weather (1),Car/Pole Accident (1)
EDDY	2024	15	1,764	655 Equipment Failure (6),Trees (3),Weather (2),Public Damage (1),Forced Outage/Emergency (1),No Specific Cause Found (1),Unique Incident (1)
WASHINGTON	2020	19	854	367 Trees (8),Equipment Failure (4),Bird (2),Animal (2),Forced Outage/Emergency (2),No Specific Cause Found (1)
WASHINGTON	2021	41	6,425	1,706 Trees (15),Planned/Scheduled (7),No Specific Cause Found (6),Equipment Failure (5),Weather (4),Car/Pole Accident (1),Trees - Outside ROW (1),Animal (1),Unique Incident (1)
WASHINGTON	2022	22	9,095	4,068 Equipment Failure (6),No Specific Cause Found (5),Unique Incident (3),Trees (3),Weather (1),Animal (1),Public Damage (1),Trees - Outside ROW (1),Bird (1)
WASHINGTON	2023	27	2,582	1,281 Equipment Failure (7),Animal (6),Unique Incident (6),No Specific Cause Found (4),Trees (2),Trees - Outside ROW (1),Bird (1)
WASHINGTON	2024	30	2,468	599 Trees (6),Equipment Failure (7),Weather (6),No Specific Cause Found (5),Animal (2),Unique Incident (1),Trees - Outside ROW (1)
CORUNNA	2020	32	3,543	2,867 Equipment Failure (19),Planned/Scheduled (5),No Specific Cause Found (2),Unique Incident (2),Public Damage (1),Forced Outage/Emergency (1),Public Tree Trimming (1)
CORUNNA	2021	26	1,139	270 Planned/Scheduled (9),Equipment Failure (5),Unique Incident (3),Car/Pole Accident (3),Forced Outage/Emergency (2),Animal (2),Weather (1),No Specific Cause Found (1),Trees (1)
CORUNNA	2022	16	840	326 Trees (8),Unique Incident (4),Equipment Failure (2),Animal (1),Public Tree Trimming (1)
CORUNNA	2023	21	2,352	1,172 Trees (9),Equipment Failure (7),Unique Incident (4),No Specific Cause Found (1)
CORUNNA	2024	20	2,593	1,161 Unique Incident (7),Trees (3),Weather (3),Equipment Failure (3),Trees - Outside ROW (2),Car/Pole Accident (1),No Specific Cause Found (1)
IRON STREET	2020	51	3,536	1,413 Equipment Failure (10),Trees (10),Planned/Scheduled (7),Forced Outage/Emergency (6),Weather (4),Unique Incident (4),Bird (3),No Specific Cause Found (2),Trees - Outside ROW (2),Car/Pole Accident (1),Animal (1),Public Damage (1)
IRON STREET	2021	54	15,362	3,894 Trees (14),Equipment Failure (10),Planned/Scheduled (9),Unique Incident (6),Forced Outage/Emergency (5),Weather (4),Car/Pole Accident (2),Public Damage (2),No Specific Cause Found (2)
IRON STREET	2022	38	3,789	1,785 Equipment Failure (15),Trees (9),No Specific Cause Found (6),Weather (2),Unique Incident (2),Bird (1),Public Damage (1),Forced Outage/Emergency (1),Animal (1)

IRON STREET	2023	50	7,582	3,108	No Specific Cause Found (10),Trees (10),Equipment Failure (7),Unique Incident (5),Car/Pole Accident (5),Bird (4),Weather (3),Public Tree Trimming (2),Public Damage (2),Forced Outage/Emergency (2)
IRON STREET	2024	45	4,397	858	Trees (14),Equipment Failure (11),Forced Outage/Emergency (7),Weather (6),Public Damage (2),Animal (1),Lightning (1),Trees - Outside ROW (1),No Specific Cause Found (1),Unique Incident (1)
PISTON RING	2020	16	1,120	237	Trees (7),Equipment Failure (3),Weather (2),Forced Outage/Emergency (1),Public Damage (1),Trees - Outside ROW (1),Planned/Scheduled (1)
PISTON RING	2021	21	1,136	438	Equipment Failure (5),Trees (5),Car/Pole Accident (2),Planned/Scheduled (2),Unique Incident (2),No Specific Cause Found (2),Weather (1),Lightning (1),Animal (1)
PISTON RING	2022	16	2,603	1,600	Weather (4),Trees (3),Equipment Failure (3),Unique Incident (1),Forced Outage/Emergency (1),Animal (1)
PISTON RING	2023	17	229	109	Equipment Failure (4),Unique Incident (4),Weather (2),No Specific Cause Found (2),Trees (2),Forced Outage/Emergency (1),Trees - Outside ROW (1),Animal (1)
PISTON RING	2024	24	2,010	503	Trees (8),Equipment Failure (3),No Specific Cause Found (3),Weather (3),Animal (3),Car/Pole Accident (1),Unique Incident (1),Forced Outage/Emergency (1),Public Damage (1)
APPLE	2020	94	18,749	10,746	Equipment Failure (36),Trees (23),Planned/Scheduled (9),Animal (9),Public Damage (4),No Specific Cause Found (4),Car/Pole Accident (3),Trees - Outside ROW (2),Unique Incident (2),Weather (1),Transmission/Generation (1)
APPLE	2021	101	7,844	2,526	Trees (28),Planned/Scheduled (24),Equipment Failure (17),Animal (10),Trees - Outside ROW (8),No Specific Cause Found (6),Weather (5),Unique Incident (1),Forced Outage/Emergency (1),Car/Pole Accident (1)
APPLE	2022	54	2,125	1,049	Animal (16),Trees (12),Equipment Failure (12),No Specific Cause Found (6),Car/Pole Accident (3),Trees - Outside ROW (2),Forced Outage/Emergency (1),Unique Incident (1),Weather (1)
APPLE	2023	88	5,348	3,053	Trees (21),Animal (21),Equipment Failure (19),No Specific Cause Found (7),Unique Incident (5),Forced Outage/Emergency (4),Bird (3),Public Damage (3),Car/Pole Accident (2),Public Tree Trimming (1),Trees - Outside ROW (1),Weather (1)
APPLE	2024	187	13,009	5,121	Trees (94),Weather (30),Animal (17),No Specific Cause Found (13),Equipment Failure (12),Trees - Outside ROW (6),Forced Outage/Emergency (6),Car/Pole Accident (3),Public Damage (2),Unique Incident (2),Bird (1),Lightning (1)
COOLEY	2020	42	7,623	3,691	Equipment Failure (13),Planned/Scheduled (9),Trees (8),Car/Pole Accident (5),Unique Incident (3),Forced Outage/Emergency (2),Public Damage (2)
COOLEY	2021	81	7,828	4,115	Planned/Scheduled (28),No Specific Cause Found (21),Equipment Failure (10),Trees (8),Weather (6),Unique Incident (4),Car/Pole Accident (2),Lightning (1),Forced Outage/Emergency (1)
COOLEY	2022	13	89	57	Equipment Failure (5),Trees (3),Unique Incident (2),Weather (1),Transmission/Generation (1),No Specific Cause Found (1)
COOLEY	2023	18	1,217	599	No Specific Cause Found (5),Trees (5),Equipment Failure (3),Animal (2),Car/Pole Accident (1),Bird (1),Unique Incident (1)
COOLEY	2024	22	824	201	Equipment Failure (8),Trees (6),No Specific Cause Found (2),Weather (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Unique Incident (1),Animal (1)
OTTAWA BEACH	2020	49	17,603	3,863	Planned/Scheduled (13),Trees (13),Equipment Failure (8),Trees - Outside ROW (4),Animal (3),No Specific Cause Found (3),Public Damage (2),Unique Incident (2),Weather (1)
OTTAWA BEACH	2021	28	1,561	742	Planned/Scheduled (11),Weather (4),Trees (3),Trees - Outside ROW (3),Unique Incident (2),No Specific Cause Found (2),Equipment Failure (2),Public Tree Trimming (1)
OTTAWA BEACH	2022	43	21,166	6,284	Equipment Failure (9),Trees (8),Animal (5),Weather (5),No Specific Cause Found (4),Unique Incident (3),Trees - Outside ROW (3),Car/Pole Accident (2),Lightning (2),Public Damage (2)
OTTAWA BEACH	2023	24	2,156	650	Trees (12),Trees - Outside ROW (4),Equipment Failure (3),No Specific Cause Found (2),Animal (1),Weather (1),Forced Outage/Emergency (1)
OTTAWA BEACH	2024	46	15,631	6,237	No Specific Cause Found (15),Trees (12),Weather (5),Equipment Failure (5),Animal (3),Car/Pole Accident (2),Trees - Outside ROW (1),Lightning (1),Unique Incident (1),Forced Outage/Emergency (1)
DELTON	2020	63	4,898	2,284	Trees (22),Equipment Failure (9),Planned/Scheduled (8),No Specific Cause Found (5),Trees - Outside ROW (5),Weather (4),Lightning (4),Unique Incident (3),Public Damage (2),Car/Pole Accident (1)
DELTON	2021	97	6,860	3,972	Planned/Scheduled (31),Trees (26),Equipment Failure (15),No Specific Cause Found (4),Trees - Outside ROW (4),Car/Pole Accident (3),Animal (3),Unique Incident (3),Weather (3),Bird (2),Public Damage (1),Lightning (1),Forced Outage/Emergency (1)
DELTON	2022	95	14,888	4,656	Trees (30),No Specific Cause Found (18),Equipment Failure (8),Car/Pole Accident (8),Unique Incident (7),Weather (7),Lightning (5),Trees - Outside ROW (5),Forced Outage/Emergency (3),Animal (2),Public Tree Trimming (1),Public Damage (1)
DELTON	2023	52	6,419	1,750	Trees (15),Equipment Failure (12),No Specific Cause Found (5),Trees - Outside ROW (5),Animal (4),Lightning (3),Weather (3),Forced Outage/Emergency (2),Unique Incident (2),Public Damage (1)
DELTON	2024	91	5,629	3,107	Trees (30),No Specific Cause Found (21),Trees - Outside ROW (13),Equipment Failure (10),Weather (4),Animal (3),Car/Pole Accident (3),Unique Incident (3),Forced Outage/Emergency (3),Public Damage (1)
RAVENNA	2020	108	14,263	5,042	Trees (32),Equipment Failure (21),Planned/Scheduled (15),No Specific Cause Found (13),Animal (8),Trees - Outside ROW (6),Weather (6),Public Damage (2),Transmission/Generation (2),Forced Outage/Emergency (1),Unique Incident (1),Lightning (1)
RAVENNA	2021	68	2,729	945	Trees (26),Equipment Failure (13),No Specific Cause Found (8),Planned/Scheduled (7),Trees - Outside ROW (4),Lightning (3),Car/Pole Accident (2),Bird (2),Forced Outage/Emergency (1),Weather (1),Animal (1)
RAVENNA	2022	52	2,461	1,253	Equipment Failure (13),Trees (12),Animal (6),No Specific Cause Found (5),Trees - Outside ROW (5),Weather (4),Lightning (4),Unique Incident (1),Bird (1),Public Damage (1)
RAVENNA	2023	66	6,699	3,428	Trees (31),Equipment Failure (10),Animal (8),No Specific Cause Found (7),Trees - Outside ROW (3),Lightning (2),Weather (2),Bird (1),Forced Outage/Emergency (1),Unique Incident (1)
RAVENNA	2024	101	8,317	2,079	Trees (34),Weather (27),No Specific Cause Found (12),Equipment Failure (9),Bird (5),Animal (4),Forced Outage/Emergency (3),Lightning (3),Unique Incident (2),Car/Pole Accident (1),Trees - Outside ROW (1)
KNIGHT	2020	75	17,488	5,451	Weather (15),Equipment Failure (14),Planned/Scheduled (9),Forced Outage/Emergency (4),Animal (5),Trees (5),Car/Pole Accident (4),Unique Incident (3),Bird (3),Lightning (3),No Specific Cause Found (3),Public Damage (2),Trees - Outside ROW (1)
KNIGHT	2021	53	3,467	857	Trees (11),Equipment Failure (9),Weather (6),Bird (1),Animal (4),Unique Incident (4),Planned/Scheduled (4),No Specific Cause Found (4),Lightning (3),Forced Outage/Emergency (2),Public Damage (1),Car/Pole Accident (1)
KNIGHT	2022	46	7,521	2,223	Equipment Failure (17),Animal (6),Weather (5),Trees (5),Lightning (3),Bird (3),Emergency (3),Unique Incident (1),Trees - Outside ROW (2),No Specific Cause Found (1),Public Damage (1),Bird (1)
KNIGHT	2023	47	10,661	3,223	Equipment Failure (21),No Specific Cause Found (9),Trees (5),Lightning (3),Bird (3),Animal (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Unique Incident (1),Weather (1)
KNIGHT	2024	65	11,222	4,928	Equipment Failure (15),No Specific Cause Found (12),Trees (11),Animal (8),Car/Pole Accident (8),Bird (4),Forced Outage/Emergency (2),Public Damage (2),Weather (1),Lightning (1),Trees - Outside ROW (1)
CAMDEN	2020	48	11,995	3,728	Planned/Scheduled (13),Weather (9),Equipment Failure (8),Trees (6),No Specific Cause Found (3),Forced Outage/Emergency (2),Trees - Outside ROW (2),Unique Incident (1),Animal (1),Car/Pole Accident (1),Public Damage (1),Bird (1)
CAMDEN	2021	56	8,132	2,374	Equipment Failure (14),Trees (8),Planned/Scheduled (8),Weather (6),Trees - Outside ROW (6),No Specific Cause Found (5),Unique Incident (3),Bird (2),Animal (2),Lightning (1),Forced Outage/Emergency (1)
CAMDEN	2022	43	2,780	645	Equipment Failure (11),No Specific Cause Found (8),Unique Incident (7),Weather (5),Trees (5),Lightning (3),Car/Pole Accident (1),Public Damage (1),Trees - Outside ROW (1),Bird (1)
CAMDEN	2023	64	8,698	1,617	Trees (27),Equipment Failure (12),No Specific Cause Found (11),Trees - Outside ROW (5),Weather (4),Unique Incident (3),Animal (2)
CAMDEN	2024	40	9,641	1,655	No Specific Cause Found (11),Equipment Failure (9),Trees (9),Weather (6),Trees - Outside ROW (2),Lightning (1),Forced Outage/Emergency (1),Public Damage (1)
BATTESEE	2020	154	10,679	3,554	Equipment Failure (42),No Specific Cause Found (30),Trees (28),Planned/Scheduled (19),Animal (17),Weather (9),Trees - Outside ROW (3),Unique Incident (2),Forced Outage/Emergency (1),Lightning (1),Public Damage (1),Bird (1)
BATTESEE	2021	188	17,844	9,990	Trees (45),Equipment Failure (42),No Specific Cause Found (25),Animal (19),Planned/Scheduled (13),Weather (13),Trees - Outside ROW (11),Lightning (8),Unique Incident (7),Bird (2),Forced Outage/Emergency (1),Car/Pole Accident (1),Public Tree Trimming (1)
BATTESEE	2022	195	17,569	5,245	Trees (55),Equipment Failure (42),No Specific Cause Found (32),Animal (21),Weather (14),Unique Incident (13),Lightning (9),Trees - Outside ROW (5),Bird (3),Public Damage (1)
BATTESEE	2023	174	22,198	8,868	Trees (52),Equipment Failure (39),Weather (25),No Specific Cause Found (25),Unique Incident (12),Animal (12),Trees - Outside ROW (2),Forced Outage/Emergency (2),Transmission/Generation (2),Public Tree Trimming (1),Lightning (1),Bird (1)
BATTESEE	2024	215	25,501	7,853	Trees (53),No Specific Cause Found (47),Weather (32),Equipment Failure (24),Animal (23),Trees - Outside ROW (9),Forced Outage/Emergency (8),Bird (7),Unique Incident (6),Lightning (5),Public Damage (1)
WAMPLERS	2020	59	13,220	2,523	Trees (30),Equipment Failure (7),No Specific Cause Found (6),Weather (6),Planned/Scheduled (6),Trees - Outside ROW (3),Unique Incident (1)
WAMPLERS	2021	59	4,437	2,496	Planned/Scheduled (18),No Specific Cause Found (15),Trees (5),Unique Incident (5),Equipment Failure (5),Weather (3),Lightning (2),Car/Pole Accident (1),Forced Outage/Emergency (1),Trees - Outside ROW (1)
WAMPLERS	2022	51	8,327	3,397	Trees (14),No Specific Cause Found (9),Equipment Failure (7),Weather (5),Forced Outage/Emergency (4),Trees - Outside ROW (3),Animal (3),Unique Incident (2),Public Damage (2),Transmission/Generation (2)
WAMPLERS	2023	71	6,687	2,607	Trees (24),Weather (14),Equipment Failure (13),No Specific Cause Found (11),Unique Incident (3),Public Damage (3),Car/Pole Accident (2),Lightning (1)
WAMPLERS	2024	38	5,326	2,837	No Specific Cause Found (17),Trees (8),Trees - Outside ROW (6),Equipment Failure (5),Public Damage (1),Unique Incident (1)
HESPERIA	2020	94	23,355	3,482	Trees (36),Trees - Outside ROW (13),Planned/Scheduled (11),Equipment Failure (10),Animal (6),No Specific Cause Found (5),Unique Incident (4),Weather (4),Car/Pole Accident (2),Forced Outage/Emergency (2),Lightning (1)
HESPERIA	2021	89	6,358	2,270	Trees (31),Trees - Outside ROW (17),Equipment Failure (13),Weather (11),Planned/Scheduled (6),No Specific Cause Found (4),Forced Outage/Emergency (2),Lightning (1),Public Damage (1),Unique Incident (1),Bird (1),Car/Pole Accident (1)
HESPERIA	2022	64	7,121	2,713	Trees (30),Equipment Failure (15),No Specific Cause Found (7),Trees - Outside ROW (3),Animal (3),Forced Outage/Emergency (2),Lightning (1),Unique Incident (1),Public Damage (1),Weather (1)
HESPERIA	2023	70	3,869	5,088	Trees (26),Equipment Failure (11),No Specific Cause Found (10),Trees - Outside ROW (6),Lightning (5),Unique Incident (3),Weather (3),Car/Pole Accident (2),Public Tree Trimming (2),Forced Outage/Emergency (1),Animal (1)
HESPERIA	2024	112	6,542	2,678	Trees (60),Equipment Failure (14),No Specific Cause Found (11),Forced Outage/Emergency (6),Weather (5),Unique Incident (5),Lightning (4),Trees - Outside ROW (4),Animal (2),Car/Pole Accident (1)
FAIRFIELD	2020	31	483	250	Animal (8),Planned/Scheduled (7),No Specific Cause Found (7),Weather (3),Trees (3),Lightning (2),Equipment Failure (1)
FAIRFIELD	2021	33	2,229	509	Trees (10),Equipment Failure (4),Planned/Scheduled (4),No Specific Cause Found (4),Unique Incident (3),Forced Outage/Emergency (2),Weather (2),Animal (2),Public Damage (1),Trees - Outside ROW (1)
FAIRFIELD	2022	36	1,071	303	No Specific Cause Found (17),Animal (5),Equipment Failure (5),Trees (4),Unique Incident (2),Bird (1),Public Damage (1),Trees - Outside ROW (1)
FAIRFIELD	2023	55	2,624	801	No Specific Cause Found (16),Trees (13),Weather (12),Animal (5),Equipment Failure (4),Unique Incident (2),Trees - Outside ROW (2),Forced Outage/Emergency (1)
FAIRFIELD	2024	59	4,359	1,640	No Specific Cause Found (14),Equipment Failure (3),Trees (5),Unique Incident (2),Forced Outage/Emergency (2),Weather (2),Car/Pole Accident (1),Public Damage (1)
STARKS	2020	106	14,229	5,274	Trees (41),Equipment Failure (19),Forced Outage/Emergency (10),Planned/Scheduled (10),Trees - Outside ROW (6),No Specific Cause Found (5),Animal (4),Car/Pole Accident (3),Weather (3),Public Tree Trimming (2),Unique Incident (2),Public Damage (1)
STARKS	2021	163	19,192	5,148	Trees (66),Planned/Scheduled (27),Equipment Failure (20),Weather (14),Forced Outage/Emergency (10),Unique Incident (6),Trees - Outside ROW (6),Public Damage (4),No Specific Cause Found (4),Animal (3),Car/Pole Accident (2),Lightning (1)
STARKS	2022	63	4,535	1,126	Trees (26),Equipment Failure (20),Forced Outage/Emergency (5),Animal (4),Trees - Outside ROW (3),Unique Incident (2),Weather (2),Public Tree Trimming (1)
STARKS	2023	74	4,778	2,634	Trees (31),Equipment Failure (15),No Specific Cause Found (7),Unique Incident (5),Trees - Outside ROW (5),Lightning (4),Forced Outage/Emergency (2),Car/Pole Accident (2),Weather (2),Animal (1)
STARKS	2024	104	3,821	1,212	Trees (58),No Specific Cause Found (13),Equipment Failure (11),Weather (9),Trees - Outside ROW (3),Unique Incident (3),Forced Outage/Emergency (3),Bird (2),Lightning (1),Animal (1)
GROVER	2020	38	2,595	982	Trees (15),Planned/Scheduled (6),Weather (4),Equipment Failure (4),Forced Outage/Emergency (2),Lightning (2),Unique Incident (2),Car/Pole Accident (1),Public Damage (1),Bird (1)
GROVER	2021	56	3,180	1,546	Planned/Scheduled (26),Trees (14),Equipment Failure (6),Trees - Outside ROW (2),Forced Outage/Emergency (2),Lightning (2),Public Tree Trimming (1),Weather (1),Animal (1),Unique Incident (1)
GROVER	2022	23	845	391	Trees (8),Equipment Failure (5),Unique Incident (3),Weather (2),Car/Pole Accident (1),Animal (1),Trees - Outside ROW (1),Bird (1),No Specific Cause Found (1)
GROVER	2023	10	394	130	Animal (4),Weather (2),Bird (1),Equipment Failure (1),Unique Incident (1),No Specific Cause Found (1)
GROVER	2024	17	595	159	Equipment Failure (5),Trees (3),Animal (3),No Specific Cause Found (3),Lightning (1),Unique Incident (1),Weather (1)
SLOAN	2020	90	10,927	3,703	Trees (42),Planned/Scheduled (13),Forced Outage/Emergency (12),Equipment Failure (9),Weather (5),No Specific Cause Found (4),Car/Pole Accident (2),Unique Incident (1),Animal (1),Trees - Outside ROW (1)
SLOAN	2021	91	20,443	6,001	Trees (42),Equipment Failure (12),Planned/Scheduled (10),Forced Outage/Emergency (10),Weather (7),Unique Incident (2),Car/Pole Accident (2),No Specific Cause Found (2),Public Damage (1),Animal (1),Trees - Outside ROW (1),Lightning (1)
SLOAN	2022	88	21,458	5,928	Trees (42),Forced Outage/Emergency (13),Unique Incident (9),No Specific Cause Found (7),Equipment Failure (4),Car/Pole Accident (4),Weather (3),Public Damage (3),Bird (2),Trees - Outside ROW (1)
SLOAN	2023	59	1,901	1,440	Equipment Failure (11),No Specific Cause Found (9),Unique Incident (6),Weather (3),Animal (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Public Damage (1),Bird (1)
SLOAN	2024	39	3,013	1,428	Trees (11),Weather (9),Equipment Failure (7),No Specific Cause Found (4),Forced Outage/Emergency (4),Unique Incident (3),Trees - Outside ROW (1)
MORRELL	2020	44	15,591	5,497	Planned/Scheduled (11),Equipment Failure (11),Trees (10),No Specific Cause Found (4),Public Damage (2),Weather (2),Car/Pole Accident (2),Forced Outage/Emergency (2)
MORRELL	2021	30	1,098	527	Equipment Failure (10),Planned/Scheduled (5),Trees (5),Weather (4),Car/Pole Accident (4),Animal (1),Forced Outage/Emergency (1)
MORRELL	2022	35	12,099	2,627	Trees (14),No Specific Cause Found (9),Equipment Failure (5),Weather (3),Unique Incident (2),Trees - Outside ROW (1),Public Damage (1)
MORRELL	2023	43	9,974	3,588	Trees (16),Equipment Failure (12),Weather (7),No Specific Cause Found (3),Forced Outage/Emergency (2),Car/Pole Accident (2),Trees - Outside ROW (1)
MORRELL	2024	27	2,562	1,173	No Specific Cause Found (6),Trees (6),Animal (5),Equipment Failure (4),Weather (2),Car/Pole Accident (2),Unique Incident (2)
NIAGARA	2024	58	4,248	1,021	Trees (30),Equipment Failure (5),Unique Incident (5),No Specific Cause Found (5),Forced Outage/Emergency (4),Weather (3),Planned/Scheduled (3),Animal (2),Trees - Outside ROW (1)

NIAGARA	2021	75	1,628	830	Trees (29),Planned/Scheduled (17),Unique Incident (8),Equipment Failure (8),Forced Outage/Emergency (7),Weather (4),Animal (1),Public Damage (1)
NIAGARA	2022	29	1,558	344	Trees (11),Equipment Failure (5),No Specific Cause Found (4),Forced Outage/Emergency (3),Unique Incident (2),Car/Pole Accident (2),Trees - Outside ROW (1),Weather (1)
NIAGARA	2023	41	5,434	3,402	Trees (16),Equipment Failure (8),No Specific Cause Found (4),Forced Outage/Emergency (4),Transmission/Generation (3),Weather (3),Public Tree Trimming (1),Trees - Outside ROW (1),Unique Incident (1)
NIAGARA	2024	36	1,141	334	Trees (14),Equipment Failure (8),Forced Outage/Emergency (4),No Specific Cause Found (3),Trees - Outside ROW (2),Weather (2),Unique Incident (1),Bird (1),Public Damage (1)
GRASS LAKE	2020	49	3,481	1,165	Trees (20),Equipment Failure (9),Planned/Scheduled (6),No Specific Cause Found (5),Weather (3),Lightning (2),Animal (1),Car/Pole Accident (1),Unique Incident (1),Forced Outage/Emergency (1)
GRASS LAKE	2021	46	12,148	2,133	Equipment Failure (16),Trees (9),Planned/Scheduled (6),No Specific Cause Found (5),Weather (3),Lightning (3),Unique Incident (2),Forced Outage/Emergency (1),Public Tree Trimming (1)
GRASS LAKE	2022	37	5,576	1,326	Weather (12),Trees (9),Equipment Failure (7),No Specific Cause Found (6),Public Tree Trimming (2),Lightning (1)
GRASS LAKE	2023	32	2,966	306	Weather (13),Trees (9),Equipment Failure (4),No Specific Cause Found (2),Trees - Outside ROW (2),Unique Incident (1),Animal (1)
GRASS LAKE	2024	47	6,164	2,309	Trees (16),No Specific Cause Found (12),Equipment Failure (7),Animal (4),Weather (3),Trees - Outside ROW (2),Unique Incident (2),Car/Pole Accident (1)
ROCKFORD	2020	73	11,325	3,631	Equipment Failure (18),Trees (13),Weather (9),No Specific Cause Found (8),Animal (7),Unique Incident (5),Planned/Scheduled (4),Lightning (3),Public Damage (2),Trees - Outside ROW (2),Bird (2)
ROCKFORD	2021	65	8,422	2,700	Trees (28),Equipment Failure (13),Animal (9),Public Damage (4),Weather (4),Planned/Scheduled (4),Trees - Outside ROW (1),Unique Incident (1),No Specific Cause Found (1)
ROCKFORD	2022	65	4,860	1,287	Equipment Failure (19),Trees (14),Unique Incident (14),No Specific Cause Found (7),Animal (6),Weather (2),Lightning (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
ROCKFORD	2023	76	10,582	3,671	Trees (22),Equipment Failure (15),No Specific Cause Found (13),Weather (12),Animal (8),Trees - Outside ROW (3),Unique Incident (3)
ROCKFORD	2024	59	11,493	3,509	Equipment Failure (13),Animal (9),No Specific Cause Found (8),Trees (7),Weather (7),Unique Incident (5),Forced Outage/Emergency (4),Public Damage (3),Car/Pole Accident (2),Trees - Outside ROW (1)
HOUGHTON HEIGHTS	2020	148	104,214	25,624	Equipment Failure (35),Trees (32),Animal (23),No Specific Cause Found (13),Weather (10),Planned/Scheduled (9),Forced Outage/Emergency (6),Trees - Outside ROW (6),Public Damage (4),Public Tree Trimming (3),Bird (3),Unique Incident (2),Car/Pole Accident (1),Lightning (1)
HOUGHTON HEIGHTS	2021	158	40,379	8,146	Equipment Failure (45),Trees (40),Animal (13),No Specific Cause Found (12),Unique Incident (10),Trees - Outside ROW (7),Planned/Scheduled (7),Car/Pole Accident (5),Lightning (5),Weather (5),Forced Outage/Emergency (4),Public Tree Trimming (2),Public Damage (2),Bird (1)
HOUGHTON HEIGHTS	2022	166	49,112	9,819	Trees (57),Equipment Failure (41),No Specific Cause Found (18),Animal (17),Trees - Outside ROW (10),Weather (7),Forced Outage/Emergency (5),Unique Incident (5),Car/Pole Accident (2),Public Damage (2),Lightning (1),Bird (1)
HOUGHTON HEIGHTS	2023	117	16,018	4,183	Trees (32),Equipment Failure (30),No Specific Cause Found (17),Animal (9),Lightning (6),Car/Pole Accident (5),Public Damage (4),Forced Outage/Emergency (4),Bird (3),Weather (3),Unique Incident (2),Public Tree Trimming (1),Trees - Outside ROW (1)
HOUGHTON HEIGHTS	2024	156	34,229	12,569	Trees (40),No Specific Cause Found (31),Equipment Failure (29),Animal (17),Forced Outage/Emergency (11),Trees - Outside ROW (6),Weather (6),Unique Incident (5),Lightning (5),Public Damage (2),Transmission/Generation (2),Car/Pole Accident (1),Bird (1)
GULL LAKE	2020	45	3,680	1,228	Trees (24),Planned/Scheduled (5),Unique Incident (5),Trees - Outside ROW (3),Equipment Failure (3),Weather (2),Animal (1),No Specific Cause Found (1)
GULL LAKE	2021	46	3,588	1,556	Trees (14),Planned/Scheduled (10),Trees - Outside ROW (8),No Specific Cause Found (4),Equipment Failure (4),Weather (2),Animal (2),Car/Pole Accident (1),Unique Incident (1)
GULL LAKE	2022	42	2,946	1,072	Trees (18),Equipment Failure (8),Weather (4),Trees - Outside ROW (4),Animal (2),Lightning (2),No Specific Cause Found (2),Forced Outage/Emergency (1),Unique Incident (1)
GULL LAKE	2023	57	2,543	888	Trees (23),Trees - Outside ROW (14),Equipment Failure (5),Weather (5),No Specific Cause Found (4),Lightning (2),Animal (2),Bird (1),Forced Outage/Emergency (1)
GULL LAKE	2024	49	3,573	1,526	Trees (19),Trees - Outside ROW (8),Animal (7),Equipment Failure (7),No Specific Cause Found (3),Unique Incident (3),Weather (1),Car/Pole Accident (1)
SWARTZ CREEK	2020	56	4,282	1,979	Trees (18),Equipment Failure (18),Planned/Scheduled (8),No Specific Cause Found (4),Forced Outage/Emergency (3),Animal (2),Car/Pole Accident (1),Weather (1),Unique Incident (1)
SWARTZ CREEK	2021	51	5,219	1,451	Trees (15),Planned/Scheduled (7),Forced Outage/Emergency (6),Equipment Failure (6),Weather (5),Unique Incident (5),No Specific Cause Found (2),Bird (2),Car/Pole Accident (1),Animal (1),Lightning (1)
SWARTZ CREEK	2022	31	1,193	1,103	Equipment Failure (10),Unique Incident (5),Forced Outage/Emergency (5),Trees (4),Weather (2),No Specific Cause Found (2),Car/Pole Accident (1),Trees - Outside ROW (1),Animal (1)
SWARTZ CREEK	2023	32	1,036	296	Equipment Failure (11),Weather (5),Trees (4),Unique Incident (3),No Specific Cause Found (3),Bird (2),Forced Outage/Emergency (2),Trees - Outside ROW (1),Public Tree Trimming (1)
SWARTZ CREEK	2024	37	5,403	1,154	Equipment Failure (11),Trees (8),Weather (4),Animal (4),No Specific Cause Found (3),Forced Outage/Emergency (3),Public Damage (2),Bird (1),Unique Incident (1)
ELSIE	2020	38	8,324	1,900	Equipment Failure (9),Animal (8),Trees (6),Unique Incident (4),Forced Outage/Emergency (2),No Specific Cause Found (2),Car/Pole Accident (2),Weather (2),Trees - Outside ROW (1),Planned/Scheduled (1),Lightning (1)
ELSIE	2021	37	2,923	1,037	Trees (12),Equipment Failure (11),Lightning (5),Unique Incident (4),Planned/Scheduled (2),Weather (2),Bird (1)
ELSIE	2022	53	1,643	685	Equipment Failure (15),No Specific Cause Found (8),Weather (7),Lightning (7),Unique Incident (6),Trees (5),Animal (3),Forced Outage/Emergency (1),Trees - Outside ROW (1)
ELSIE	2023	63	19,208	2,867	No Specific Cause Found (17),Trees (13),Weather (10),Unique Incident (9),Equipment Failure (5),Forced Outage/Emergency (2),Animal (2),Trees - Outside ROW (2),Lightning (1),Public Damage (1),Bird (1)
ELSIE	2024	38	2,366	517	Unique Incident (9),No Specific Cause Found (5),Equipment Failure (5),Animal (4),Trees (4),Bird (3),Public Damage (2),Weather (2),Public Tree Trimming (2),Lightning (1),Trees - Outside ROW (1)
WAYLAND	2020	41	3,104	969	Trees (12),Equipment Failure (11),Planned/Scheduled (8),No Specific Cause Found (3),Public Damage (2),Weather (2),Car/Pole Accident (2),Animal (1)
WAYLAND	2021	60	2,773	1,129	Trees (24),Planned/Scheduled (11),No Specific Cause Found (7),Equipment Failure (6),Animal (3),Trees - Outside ROW (3),Unique Incident (2),Weather (2),Public Tree Trimming (1),Bird (1)
WAYLAND	2022	38	8,434	2,926	Equipment Failure (9),Trees (8),Weather (6),No Specific Cause Found (5),Lightning (5),Unique Incident (2),Trees - Outside ROW (2),Public Damage (1)
WAYLAND	2023	27	3,294	830	Trees (8),Equipment Failure (8),No Specific Cause Found (5),Animal (2),Weather (2),Public Damage (1),Unique Incident (1)
WAYLAND	2024	68	11,130	4,574	Trees (21),No Specific Cause Found (14),Equipment Failure (10),Weather (9),Car/Pole Accident (4),Unique Incident (3),Animal (3),Forced Outage/Emergency (2),Bird (1),Trees - Outside ROW (1)
LONG LAKE	2020	42	8,291	2,433	Equipment Failure (7),Planned/Scheduled (7),Weather (5),Trees (5),Animal (5),Car/Pole Accident (3),Trees - Outside ROW (3),No Specific Cause Found (3),Unique Incident (2),Forced Outage/Emergency (1),Public Damage (1)
LONG LAKE	2021	75	15,181	1,670	Trees (27),Planned/Scheduled (14),Weather (7),Equipment Failure (7),No Specific Cause Found (7),Forced Outage/Emergency (6),Unique Incident (3),Trees - Outside ROW (2),Animal (1),Bird (1)
LONG LAKE	2022	49	7,898	2,134	No Specific Cause Found (11),Equipment Failure (10),Unique Incident (8),Weather (7),Forced Outage/Emergency (5),Lightning (4),Animal (2),Trees (2)
LONG LAKE	2023	24	905	264	Equipment Failure (14),Weather (2),Unique Incident (2),Trees (2),Lightning (1),No Specific Cause Found (1),Animal (1),Public Damage (1)
LONG LAKE	2024	24	2,424	1,489	Equipment Failure (5),Trees (4),Forced Outage/Emergency (4),Animal (3),Weather (3),Public Damage (4),Unique Incident (1),Bird (1),Trees - Outside ROW (1)
LASALLE	2020	87	2,792	1,465	Animal (22),Equipment Failure (19),Planned/Scheduled (16),No Specific Cause Found (14),Trees (4),Unique Incident (3),Forced Outage/Emergency (2),Weather (2),Car/Pole Accident (2),Trees - Outside ROW (1),Bird (1),Public Damage (1)
LASALLE	2021	79	3,308	1,263	Equipment Failure (19),Animal (18),No Specific Cause Found (10),Planned/Scheduled (8),Trees (6),Weather (5),Car/Pole Accident (4),Unique Incident (3),Lightning (2),Trees - Outside ROW (2),Public Damage (1),Bird (1)
LASALLE	2022	63	1,979	1,107	Animal (29),Equipment Failure (12),Trees (6),No Specific Cause Found (6),Weather (4),Lightning (2),Trees - Outside ROW (2),Public Damage (1),Bird (1)
LASALLE	2023	88	4,218	1,120	Animal (25),No Specific Cause Found (18),Trees (13),Equipment Failure (11),Weather (9),Trees - Outside ROW (7),Lightning (1),Car/Pole Accident (1),Forced Outage/Emergency (1),Bird (1),Public Damage (1)
LASALLE	2024	74	3,307	1,942	Animal (28),No Specific Cause Found (17),Forced Outage/Emergency (6),Weather (6),Equipment Failure (6),Trees - Outside ROW (3),Car/Pole Accident (2),Trees (2),Unique Incident (2),Bird (2)
GODFREY	2020	39	1,853	555	Trees (9),No Specific Cause Found (9),Equipment Failure (8),Planned/Scheduled (7),Animal (2),Unique Incident (1),Weather (1),Bird (1),Trees - Outside ROW (1)
GODFREY	2021	34	4,450	2,311	Trees (15),No Specific Cause Found (10),Equipment Failure (4),Weather (3),Forced Outage/Emergency (1),Bird (1)
GODFREY	2022	25	2,611	762	Trees (8),No Specific Cause Found (7),Weather (2),Trees - Outside ROW (2),Lightning (2),Animal (1),Equipment Failure (1),Unique Incident (1),Bird (1)
GODFREY	2023	62	6,808	3,126	Trees (24),Equipment Failure (9),Trees - Outside ROW (8),No Specific Cause Found (7),Weather (7),Animal (2),Car/Pole Accident (2),Bird (1),Forced Outage/Emergency (1),Public Tree Trimming (1)
GODFREY	2024	58	3,590	2,069	Trees (17),Equipment Failure (12),Trees - Outside ROW (6),Animal (6),No Specific Cause Found (6),Weather (3),Public Damage (2),Forced Outage/Emergency (2),Public Tree Trimming (1),Car/Pole Accident (1)
ONSTED	2020	54	5,509	1,738	Trees (18),No Specific Cause Found (9),Equipment Failure (7),Weather (6),Animal (3),Planned/Scheduled (3),Forced Outage/Emergency (2),Trees - Outside ROW (2),Public Tree Trimming (2),Public Damage (1),Lightning (1)
ONSTED	2021	57	4,801	3,345	No Specific Cause Found (16),Trees (15),Planned/Scheduled (9),Equipment Failure (8),Weather (4),Forced Outage/Emergency (2),Trees - Outside ROW (2),Unique Incident (1)
ONSTED	2022	55	19,626	6,660	Equipment Failure (13),Trees (12),Trees - Outside ROW (8),Weather (7),No Specific Cause Found (7),Animal (3),Unique Incident (2),Forced Outage/Emergency (1),Lightning (1),Public Damage (1)
ONSTED	2023	66	5,388	1,518	Trees (21),Weather (12),No Specific Cause Found (12),Equipment Failure (10),Public Damage (3),Unique Incident (3),Car/Pole Accident (2),Animal (1),Forced Outage/Emergency (1),Trees - Outside ROW (1)
ONSTED	2024	34	2,044	641	No Specific Cause Found (8),Trees (6),Animal (4),Public Damage (3),Forced Outage/Emergency (3),Weather (3),Unique Incident (2),Trees - Outside ROW (2),Lightning (1),Equipment Failure (1),Bird (1)
OSCODA	2020	42	12,771	2,846	Equipment Failure (11),Forced Outage/Emergency (7),Planned/Scheduled (5),Trees (5),Animal (5),Unique Incident (4),No Specific Cause Found (3),Transmission/Generation (2)
OSCODA	2021	54	42,531	6,681	Trees (14),Equipment Failure (11),Weather (9),Planned/Scheduled (7),Animal (3),Unique Incident (3),Trees - Outside ROW (3),Forced Outage/Emergency (2),No Specific Cause Found (2)
OSCODA	2022	88	2,644	951	Equipment Failure (13),No Specific Cause Found (3),Trees (3),Weather (2),Car/Pole Accident (1),Public Damage (1)
OSCODA	2023	21	1,458	290	Equipment Failure (8),Trees (4),Unique Incident (3),No Specific Cause Found (2),Forced Outage/Emergency (1),Trees - Outside ROW (1),Weather (1),Animal (1)
OSCODA	2024	36	1,703	539	Equipment Failure (10),Unique Incident (10),Trees (3),Weather (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Animal (2),Trees - Outside ROW (1),Bird (1),Lightning (1)
MERSON	2020	91	9,158	4,387	Equipment Failure (21),Trees (19),Planned/Scheduled (19),Trees - Outside ROW (7),Weather (5),Lightning (4),No Specific Cause Found (3),Forced Outage/Emergency (1),Unique Incident (1),Transmission/Generation (1)
MERSON	2021	127	21,174	3,277	Trees (40),Planned/Scheduled (32),Equipment Failure (17),No Specific Cause Found (10),Lightning (8),Trees - Outside ROW (8),Weather (7),Animal (2),Unique Incident (2),Public Tree Trimming (1)
MERSON	2022	85	9,980	2,383	Trees (27),Equipment Failure (16),Trees - Outside ROW (11),No Specific Cause Found (11),Weather (8),Animal (5),Unique Incident (5),Lightning (2)
MERSON	2023	80	11,555	2,832	Trees (25),No Specific Cause Found (17),Trees - Outside ROW (14),Equipment Failure (10),Animal (4),Unique Incident (3),Weather (2),Lightning (1),Car/Pole Accident (1),Public Damage (1),Public Tree Trimming (1)
MERSON	2024	104	13,715	3,079	Trees (52),No Specific Cause Found (15),Equipment Failure (14),Weather (11),Trees - Outside ROW (8),Unique Incident (3),Animal (1)
FLUSHING	2020	62	11,004	2,947	Equipment Failure (22),Trees (15),Forced Outage/Emergency (6),Planned/Scheduled (5),Weather (5),Bird (2),Animal (2),No Specific Cause Found (2),Lightning (1),Unique Incident (1),Trees - Outside ROW (1)
FLUSHING	2021	73	21,696	2,344	Weather (23),Trees (17),Equipment Failure (8),Forced Outage/Emergency (8),Planned/Scheduled (5),Unique Incident (4),No Specific Cause Found (4),Animal (3),Public Damage (1)
FLUSHING	2022	50	5,068	927	Equipment Failure (15),Trees (8),Forced Outage/Emergency (7),Unique Incident (5),No Specific Cause Found (4),Weather (3),Animal (3),Lightning (2),Car/Pole Accident (1),Public Tree Trimming (1),Public Damage (1)
FLUSHING	2023	54	9,050	2,073	Trees (20),No Specific Cause Found (15),Equipment Failure (10),Weather (4),Car/Pole Accident (1),Trees - Outside ROW (1),Animal (1),Public Tree Trimming (1),Unique Incident (1)
FLUSHING	2024	96	5,838	1,143	Forced Outage/Emergency (53),Trees (17),Equipment Failure (10),Unique Incident (5),No Specific Cause Found (4),Weather (2),Lightning (2),Public Damage (2),Animal (1)
KELLOGGSVILLE	2020	100	13,036	3,337	Equipment Failure (32),Animal (25),Planned/Scheduled (12),Trees (10),Car/Pole Accident (8),No Specific Cause Found (5),Public Damage (4),Forced Outage/Emergency (2),Unique Incident (1),Weather (1)
KELLOGGSVILLE	2021	80	10,115	5,562	Equipment Failure (22),Animal (17),Trees (12),Planned/Scheduled (11),Car/Pole Accident (4),Unique Incident (3),No Specific Cause Found (2),Forced Outage/Emergency (2),Lightning (1),Public Damage (1),Public Tree Trimming (1)
KELLOGGSVILLE	2022	67	3,938	1,291	Animal (24),Trees (11),Equipment Failure (10),No Specific Cause Found (7),Public Damage (4),Car/Pole Accident (4),Forced Outage/Emergency (3),Unique Incident (3),Trees - Outside ROW (1)
KELLOGGSVILLE	2023	63	9,598	3,957	Equipment Failure (20),Animal (18),Trees (10),No Specific Cause Found (6),Weather (6),Forced Outage/Emergency (2),Car/Pole Accident (1)
KELLOGGSVILLE	2024	60	5,250	2,007	Animal (24),Equipment Failure (10),Car/Pole Accident (5),Weather (4),Trees (4),No Specific Cause Found (3),Trees - Outside ROW (2),Unique Incident (2),Forced Outage/Emergency (2),Public Damage (2),Bird (1),Lightning (1)
SYLVAN	2020	75	9,562	2,323	Trees (29),Equipment Failure (20),No Specific Cause Found (7),Planned/Scheduled (6),Trees - Outside ROW (5),Weather (4),Unique Incident (2),Forced Outage/Emergency (1),Lightning (1)
SYLVAN	2021	92	10,958	2,457	Trees (27),Equipment Failure (14),No Specific Cause Found (11),Planned/Scheduled (11),Weather (11),Trees - Outside ROW (6),Unique Incident (4),Forced Outage/Emergency (3),Animal (2),Public Damage (2),Public Tree Trimming (1)
SYLVAN	2022	79	4,380	902	Trees (26),No Specific Cause Found (24),Equipment Failure (8),Weather (6),Unique Incident (6),Trees - Outside ROW (3),Animal (3),Lightning (2),Public Damage (1)
SYLVAN	2023	106	21,222	6,322	Trees (38),Equipment Failure (21),Weather (15),No Specific Cause Found (14),Trees - Outside ROW (8),Unique Incident (3),Public Damage (2),Animal (2),Forced Outage/Emergency (2),Lightning (1)

SYLVAN	2024	67	13,198	2,655	Trees (25),Equipment Failure (12),No Specific Cause Found (11),Weather (9),Trees (9),Trees - Outside ROW (3),Forced Outage/Emergency (3),Unique Incident (2),Lightning (1),Animal (1)
TERRACE	2020	25	750	413	Trees (5),No Specific Cause Found (4),Equipment Failure (4),Planned/Scheduled (4),Animal (4),Trees - Outside ROW (2),Forced Outage/Emergency (1),Public Damage (1)
TERRACE	2021	33	11,160	2,623	Equipment Failure (8),Planned/Scheduled (6),Animal (5),No Specific Cause Found (4),Bird (3),Trees (3),Public Damage (2),Unique Incident (1),Trees - Outside ROW (1)
TERRACE	2022	22	1,203	364	Animal (14),Equipment Failure (4),No Specific Cause Found (2),Public Damage (1),Trees (1)
TERRACE	2023	37	11,918	3,467	Animal (18),Equipment Failure (8),Trees (4),No Specific Cause Found (3),Forced Outage/Emergency (2),Unique Incident (1),Car/Pole Accident (1)
TERRACE	2024	29	1,689	451	No Specific Cause Found (7),Weather (6),Animal (5),Trees (5),Equipment Failure (3),Car/Pole Accident (1),Unique Incident (1),Forced Outage/Emergency (1)
BATH	2020	48	2,611	1,182	Equipment Failure (13),Trees (11),Planned/Scheduled (5),No Specific Cause Found (4),Forced Outage/Emergency (3),Car/Pole Accident (3),Trees - Outside ROW (3),Animal (2),Public Damage (1),Lightning (1),Weather (1),Unique Incident (1)
BATH	2021	40	4,654	2,155	Trees (16),Equipment Failure (10),Animal (4),Planned/Scheduled (4),No Specific Cause Found (3),Unique Incident (1),Trees - Outside ROW (1),Weather (1)
BATH	2022	35	3,150	979	Equipment Failure (11),Trees (10),No Specific Cause Found (6),Animal (4),Car/Pole Accident (2),Unique Incident (1),Weather (1)
BATH	2023	48	9,502	3,335	Trees (14),Equipment Failure (10),No Specific Cause Found (7),Animal (4),Weather (4),Unique Incident (3),Lightning (3),Public Damage (2),Public Tree Trimming (1)
BATH	2024	38	1,957	895	Trees (12),Equipment Failure (11),Animal (6),No Specific Cause Found (5),Trees - Outside ROW (2),Bird (1),Weather (1)
GLENDALE	2020	44	23,361	4,673	Planned/Scheduled (12),Equipment Failure (11),Trees (10),Transmission/Generation (3),Weather (2),Unique Incident (1),Car/Pole Accident (1),Animal (1),Public Damage (1),Bird (1),No Specific Cause Found (1)
GLENDALE	2021	46	8,332	2,421	Trees (20),Equipment Failure (8),Weather (6),Planned/Scheduled (6),Unique Incident (3),Forced Outage/Emergency (1),Animal (1),Trees - Outside ROW (1)
GLENDALE	2022	34	3,631	1,021	Trees (15),Equipment Failure (7),No Specific Cause Found (4),Car/Pole Accident (3),Weather (2),Transmission/Generation (2),Public Damage (1)
GLENDALE	2023	46	5,178	1,431	Trees (18),No Specific Cause Found (10),Weather (5),Equipment Failure (5),Forced Outage/Emergency (3),Unique Incident (2),Animal (1),Trees - Outside ROW (1),Car/Pole Accident (1)
GLENDALE	2024	31	2,567	1,157	Trees (11),Trees - Outside ROW (6),Equipment Failure (4),Weather (4),Bird (1),No Specific Cause Found (1),Lightning (1),Unique Incident (1),Animal (1),Car/Pole Accident (1)
WHITTUM	2020	67	10,837	2,517	Equipment Failure (23),Trees (16),Animal (7),Planned/Scheduled (7),No Specific Cause Found (6),Trees - Outside ROW (3),Transmission/Generation (3),Car/Pole Accident (2)
WHITTUM	2021	67	6,569	2,239	Trees (17),Equipment Failure (13),No Specific Cause Found (9),Weather (8),Animal (8),Planned/Scheduled (6),Car/Pole Accident (2),Trees - Outside ROW (1),Lightning (1),Unique Incident (1),Public Damage (1)
WHITTUM	2022	63	6,261	1,420	Equipment Failure (20),Trees (16),No Specific Cause Found (9),Animal (5),Unique Incident (4),Trees - Outside ROW (2),Car/Pole Accident (2),Weather (1),Forced Outage/Emergency (1),Lightning (1),Bird (1),Public Damage (1)
WHITTUM	2023	78	4,649	2,359	Trees (29),Animal (15),Equipment Failure (11),Weather (10),No Specific Cause Found (9),Forced Outage/Emergency (4),Bird (1),Unique Incident (1),Lightning (1)
WHITTUM	2024	69	13,442	6,822	Trees (25),No Specific Cause Found (18),Equipment Failure (16),Animal (12),Forced Outage/Emergency (4),Unique Incident (3),Weather (3),Trees - Outside ROW (1),Public Tree Trimming (1),Car/Pole Accident (1),Bird (1)
GALESBURG	2020	47	4,074	2,184	Trees (17),Equipment Failure (6),Planned/Scheduled (5),Unique Incident (4),Car/Pole Accident (4),Trees - Outside ROW (4),No Specific Cause Found (4),Forced Outage/Emergency (3)
GALESBURG	2021	70	4,160	1,421	Trees (22),Equipment Failure (12),Planned/Scheduled (8),Unique Incident (5),Trees - Outside ROW (5),Animal (4),Weather (4),No Specific Cause Found (4),Lightning (3),Forced Outage/Emergency (2),Public Damage (1)
GALESBURG	2022	43	3,530	724	Trees (14),Equipment Failure (12),Unique Incident (6),No Specific Cause Found (4),Trees - Outside ROW (4),Public Damage (1),Animal (1),Public Tree Trimming (1)
GALESBURG	2023	42	3,441	1,296	Trees (15),Equipment Failure (9),Weather (6),Animal (3),No Specific Cause Found (3),Unique Incident (2),Trees - Outside ROW (2),Bird (1),Forced Outage/Emergency (1)
GALESBURG	2024	40	6,376	2,621	Trees (19),Equipment Failure (9),Trees - Outside ROW (4),No Specific Cause Found (3),Weather (3),Forced Outage/Emergency (1),Lightning (1)
NORTH ADAMS	2020	65	3,333	1,590	No Specific Cause Found (16),Equipment Failure (13),Unique Incident (10),Trees (8),Planned/Scheduled (6),Weather (4),Forced Outage/Emergency (3),Public Damage (2),Animal (2),Lightning (1)
NORTH ADAMS	2021	76	10,140	1,317	No Specific Cause Found (22),Equipment Failure (17),Trees (11),Weather (8),Planned/Scheduled (5),Unique Incident (5),Trees - Outside ROW (2),Car/Pole Accident (2),Animal (1),Forced Outage/Emergency (1),Transmission/Generation (1),Lightning (1)
NORTH ADAMS	2022	48	1,737	627	No Specific Cause Found (20),Weather (9),Trees (7),Equipment Failure (5),Unique Incident (4),Animal (2),Trees - Outside ROW (1)
NORTH ADAMS	2023	41	2,578	1,221	No Specific Cause Found (9),Trees (8),Weather (7),Unique Incident (5),Equipment Failure (5),Trees - Outside ROW (2),Animal (2),Bird (2),Public Damage (1)
NORTH ADAMS	2024	32	1,400	377	No Specific Cause Found (11),Equipment Failure (6),Trees - Outside ROW (3),Lightning (2),Weather (2),Animal (2),Forced Outage/Emergency (2),Unique Incident (2),Trees (1),Bird (1)
CONCORD	2020	71	4,592	1,453	Trees (22),Equipment Failure (14),No Specific Cause Found (9),Weather (6),Unique Incident (6),Lightning (3),Forced Outage/Emergency (3),Car/Pole Accident (3),Trees - Outside ROW (3),Planned/Scheduled (2),Public Damage (1)
CONCORD	2021	65	3,587	995	Trees (19),Equipment Failure (18),No Specific Cause Found (8),Weather (6),Trees - Outside ROW (4),Unique Incident (3),Forced Outage/Emergency (2),Lightning (2),Planned/Scheduled (1),Animal (1),Public Damage (1)
CONCORD	2022	57	4,579	983	Trees (29),No Specific Cause Found (14),Equipment Failure (6),Weather (3),Animal (3),Unique Incident (2)
CONCORD	2023	64	3,452	1,701	Trees (20),Equipment Failure (15),No Specific Cause Found (14),Weather (7),Animal (3),Public Tree Trimming (2),Unique Incident (2),Transmission/Generation (1)
CONCORD	2024	77	3,662	1,404	Trees (26),No Specific Cause Found (16),Weather (10),Equipment Failure (5),Animal (5),Trees - Outside ROW (4),Unique Incident (3),Forced Outage/Emergency (3),Lightning (2),Car/Pole Accident (1)
BEADLE	2020	77	3,920	1,319	Trees (40),Equipment Failure (17),Weather (5),Planned/Scheduled (4),Animal (3),Trees - Outside ROW (3),No Specific Cause Found (2),Car/Pole Accident (2),Lightning (1)
BEADLE	2021	79	5,624	1,869	Trees (31),Planned/Scheduled (19),Weather (7),Trees - Outside ROW (5),Equipment Failure (4),No Specific Cause Found (4),Unique Incident (3),Forced Outage/Emergency (2),Animal (2),Car/Pole Accident (1),Public Tree Trimming (1)
BEADLE	2022	44	5,998	1,719	Trees (13),Equipment Failure (12),Trees - Outside ROW (7),Animal (6),Bird (2),Weather (2),Transmission/Generation (1),No Specific Cause Found (1)
BEADLE	2023	38	3,787	862	Trees (12),Trees - Outside ROW (9),Weather (4),Equipment Failure (4),No Specific Cause Found (3),Animal (3),Forced Outage/Emergency (1),Unique Incident (1),Bird (1)
BEADLE	2024	48	4,095	1,711	Equipment Failure (10),Weather (10),Trees (8),Trees - Outside ROW (6),Animal (4),No Specific Cause Found (4),Unique Incident (2),Forced Outage/Emergency (2),Lightning (1),Car/Pole Accident (1)
LAKE LEANN	2020	103	8,379	3,768	Equipment Failure (21),Trees (21),No Specific Cause Found (18),Animal (15),Planned/Scheduled (14),Trees - Outside ROW (4),Weather (4),Lightning (4),Forced Outage/Emergency (1),Unique Incident (1)
LAKE LEANN	2021	159	12,927	3,340	Trees (67),Equipment Failure (32),No Specific Cause Found (23),Weather (13),Planned/Scheduled (8),Animal (8),Trees - Outside ROW (4),Unique Incident (2),Forced Outage/Emergency (2)
LAKE LEANN	2022	110	3,897	1,440	No Specific Cause Found (28),Trees (23),Equipment Failure (18),Weather (13),Animal (12),Unique Incident (7),Bird (2),Car/Pole Accident (2),Trees - Outside ROW (2),Lightning (2),Public Damage (1)
LAKE LEANN	2023	138	5,003	2,665	Trees (44),No Specific Cause Found (27),Weather (21),Equipment Failure (18),Animal (7),Unique Incident (7),Public Damage (5),Trees - Outside ROW (3),Bird (3),Lightning (2),Car/Pole Accident (1)
LAKE LEANN	2024	91	4,656	1,374	Trees (26),No Specific Cause Found (23),Animal (19),Equipment Failure (12),Unique Incident (5),Bird (2),Weather (2),Trees - Outside ROW (2)
CLIMAX	2020	39	3,871	1,440	Trees (14),Planned/Scheduled (9),Equipment Failure (7),Animal (4),Weather (3),Trees - Outside ROW (1),Forced Outage/Emergency (1)
CLIMAX	2021	30	9,847	1,933	Trees (16),Equipment Failure (9),No Specific Cause Found (2),Forced Outage/Emergency (1),Planned/Scheduled (1),Weather (1)
CLIMAX	2022	24	482	178	Trees (6),Weather (3),Equipment Failure (3),Animal (3),No Specific Cause Found (3),Lightning (2),Unique Incident (2),Public Tree Trimming (1),Bird (1)
CLIMAX	2023	33	4,309	1,455	Trees (18),Weather (4),Equipment Failure (4),No Specific Cause Found (2),Bird (1),Public Damage (1),Unique Incident (1),Forced Outage/Emergency (1),Trees - Outside ROW (1)
CLIMAX	2024	27	1,492	973	Trees (10),Animal (8),No Specific Cause Found (4),Equipment Failure (2),Bird (1),Lightning (1),Trees - Outside ROW (1)
GERRISH	2020	144	35,457	11,309	Equipment Failure (43),Trees (35),Planned/Scheduled (15),Forced Outage/Emergency (10),No Specific Cause Found (10),Animal (8),Weather (6),Trees - Outside ROW (5),Lightning (4),Public Damage (4),Unique Incident (3),Public Tree Trimming (1)
GERRISH	2021	141	37,314	8,103	Equipment Failure (41),Trees (39),Weather (12),Trees - Outside ROW (11),No Specific Cause Found (10),Planned/Scheduled (5),Public Damage (5),Animal (5),Lightning (5),Car/Pole Accident (3),Public Tree Trimming (1),Unique Incident (1)
GERRISH	2022	138	100,327	23,685	Equipment Failure (43),Trees (42),Weather (19),No Specific Cause Found (11),Trees - Outside ROW (8),Animal (5),Forced Outage/Emergency (3),Unique Incident (2),Car/Pole Accident (1),Lightning (1),Public Tree Trimming (1),Public Damage (1),Bird (1)
GERRISH	2023	89	26,289	10,751	Equipment Failure (36),Trees (23),No Specific Cause Found (10),Weather (5),Lightning (4),Animal (3),Unique Incident (2),Forced Outage/Emergency (2),Bird (2),Public Damage (1),Trees - Outside ROW (1)
GERRISH	2024	115	11,097	6,543	No Specific Cause Found (29),Equipment Failure (23),Trees (20),Animal (17),Weather (12),Trees - Outside ROW (5),Unique Incident (5),Forced Outage/Emergency (2),Lightning (1),Car/Pole Accident (1)
MARION	2020	65	4,621	1,747	Equipment Failure (19),Trees - Outside ROW (12),Weather (9),Trees (8),Planned/Scheduled (8),No Specific Cause Found (4),Unique Incident (2),Forced Outage/Emergency (1),Animal (1),Bird (1)
MARION	2021	57	4,193	2,015	Weather (17),Equipment Failure (13),Trees (6),No Specific Cause Found (6),Planned/Scheduled (5),Trees - Outside ROW (5),Unique Incident (3),Forced Outage/Emergency (1),Lightning (1)
MARION	2022	46	8,074	2,622	Trees (13),Equipment Failure (10),Weather (6),Unique Incident (5),No Specific Cause Found (4),Trees - Outside ROW (3),Lightning (2),Bird (2),Animal (1)
MARION	2023	30	4,040	1,323	Equipment Failure (11),Trees (4),Weather (4),No Specific Cause Found (3),Trees - Outside ROW (3),Trees - Outside ROW (2),Animal (1),Public Damage (1),Forced Outage/Emergency (1)
MARION	2024	29	3,902	1,670	Trees - Outside ROW (10),Equipment Failure (6),Trees (5),No Specific Cause Found (2),Animal (2),Unique Incident (1),Lightning (1)
KINDERHOOK	2020	119	21,147	6,632	Equipment Failure (25),Trees (27),No Specific Cause Found (19),Unique Incident (14),Weather (11),Lightning (4),Trees - Outside ROW (4),Forced Outage/Emergency (3),Car/Pole Accident (3),Animal (2),Bird (2),Public Damage (1)
KINDERHOOK	2021	115	5,829	2,017	Trees (30),Equipment Failure (21),Weather (18),No Specific Cause Found (13),Planned/Scheduled (11),Lightning (8),Trees - Outside ROW (7),Unique Incident (4),Forced Outage/Emergency (1),Animal (1),Bird (1)
KINDERHOOK	2022	73	6,555	2,403	Equipment Failure (23),No Specific Cause Found (14),Weather (11),Lightning (7),Trees (6),Trees - Outside ROW (4),Animal (4),Unique Incident (3),Car/Pole Accident (1)
KINDERHOOK	2023	88	7,997	4,120	Trees (22),Weather (16),No Specific Cause Found (16),Equipment Failure (11),Trees - Outside ROW (9),Animal (4),Lightning (3),Unique Incident (3),Bird (2),Public Damage (1),Car/Pole Accident (1)
KINDERHOOK	2024	81	6,852	1,808	Trees (25),No Specific Cause Found (21),Equipment Failure (12),Animal (7),Trees - Outside ROW (5),Weather (3),Bird (3),Unique Incident (2),Lightning (1),Public Tree Trimming (1),Public Damage (1)
PITTSFORD	2020	97	5,204	2,854	No Specific Cause Found (25),Trees (17),Equipment Failure (10),Weather (10),Animal (10),Trees - Outside ROW (7),Planned/Scheduled (6),Unique Incident (5),Forced Outage/Emergency (3),Lightning (2),Bird (1),Public Damage (1)
PITTSFORD	2021	124	10,876	3,157	Trees (35),No Specific Cause Found (30),Equipment Failure (15),Weather (12),Planned/Scheduled (11),Unique Incident (7),Trees - Outside ROW (5),Animal (4),Lightning (4),Public Tree Trimming (1)
PITTSFORD	2022	107	5,143	1,422	No Specific Cause Found (30),Trees (25),Equipment Failure (17),Animal (11),Unique Incident (11),Weather (9),Car/Pole Accident (1),Trees - Outside ROW (1),Lightning (1),Forced Outage/Emergency (1)
PITTSFORD	2023	164	30,002	4,922	Trees (51),Weather (45),No Specific Cause Found (30),Equipment Failure (18),Animal (7),Unique Incident (4),Lightning (3),Trees - Outside ROW (3),Bird (2),Forced Outage/Emergency (1)
PITTSFORD	2024	104	6,460	2,244	No Specific Cause Found (47),Trees (15),Equipment Failure (13),Weather (12),Animal (6),Unique Incident (4),Trees - Outside ROW (3),Forced Outage/Emergency (2),Lightning (1),Bird (1)
RUSSELLVILLE	2020	102	22,932	6,715	Equipment Failure (31),Planned/Scheduled (23),Trees (20),Forced Outage/Emergency (9),No Specific Cause Found (7),Weather (6),Trees - Outside ROW (3),Animal (2),Bird (1)
RUSSELLVILLE	2021	69	9,095	1,340	Trees (24),Equipment Failure (16),Weather (9),Planned/Scheduled (8),No Specific Cause Found (3),Public Damage (2),Bird (2),Unique Incident (2),Forced Outage/Emergency (1),Animal (1),Trees - Outside ROW (1)
RUSSELLVILLE	2022	59	4,427	1,141	Trees (14),Equipment Failure (13),No Specific Cause Found (11),Weather (7),Forced Outage/Emergency (5),Unique Incident (3),Car/Pole Accident (2),Lightning (1),Trees - Outside ROW (1),Animal (1),Bird (1)
RUSSELLVILLE	2023	35	2,135	929	Equipment Failure (12),Trees (8),Weather (4),Unique Incident (4),Animal (3),Forced Outage/Emergency (2),No Specific Cause Found (1),Bird (1)
RUSSELLVILLE	2024	69	3,230	829	Trees (20),Equipment Failure (9),No Specific Cause Found (9),Trees - Outside ROW (7),Forced Outage/Emergency (6),Weather (5),Unique Incident (4),Animal (3),Car/Pole Accident (1),Lightning (1),Public Damage (1),Bird (1),Public Tree Trimming (1)
RUSSELLVILLE	2020	40	17,115	2,210	Animal (11),Planned/Scheduled (7),No Specific Cause Found (6),Weather (5),Equipment Failure (5),Trees (4),Unique Incident (1),Lightning (1)
BLISSFIELD	2021	39	1,304	471	No Specific Cause Found (13),Animal (9),Trees (5),Weather (4),Equipment Failure (4),Car/Pole Accident (1),Forced Outage/Emergency (1),Unique Incident (1),Planned/Scheduled (1)
BLISSFIELD	2022	54	2,928	938	Animal (15),No Specific Cause Found (13),Equipment Failure (8),Weather (8),Unique Incident (4),Car/Pole Accident (2),Trees (2),Lightning (2)
BLISSFIELD	2023	51	2,699	1,331	Animal (14),Trees (11),Equipment Failure (9),No Specific Cause Found (9),Weather (5),Unique Incident (1),Trees - Outside ROW (1),Bird (1)
BLISSFIELD	2024	31	1,758	518	No Specific Cause Found (9),Weather (6),Equipment Failure (6),Animal (5),Transmission/Generation (2),Trees - Outside ROW (1),Trees (1),Bird (1)
FOUR MILE	2020	41	11,343	1,871	Equipment Failure (18),Trees (6),Animal (6),Planned/Scheduled (3),Unique Incident (2),Weather (2),Public Damage (1),No Specific Cause Found (1),Forced Outage/Emergency (1),Lightning (1)
FOUR MILE	2021	34	6,218	4,006	Equipment Failure (19),Animal (4),Trees (3),Weather (2),Planned/Scheduled (2),Trees - Outside ROW (1),Unique Incident (1),Bird (1),No Specific Cause Found (1)

FOUR MILE	2022	42	6,992	2,716 Equipment Failure (18),Animal (9),No Specific Cause Found (5),Weather (4),Trees (3),Car/Pole Accident (1),Public Damage (1),Unique Incident (1)
FOUR MILE	2023	29	2,429	1,047 Trees (9),No Specific Cause Found (6),Animal (5),Weather (4),Equipment Failure (3),Bird (1),Public Damage (1)
FOUR MILE	2024	35	1,813	1,025 No Specific Cause Found (12),Animal (9),Equipment Failure (6),Unique Incident (4),Trees (2),Forced Outage/Emergency (2)
LAKE ODESSA	2020	28	5,903	1,264 Planned/Scheduled (12),Equipment Failure (6),Trees (6),Animal (2),Car/Pole Accident (1),No Specific Cause Found (1)
LAKE ODESSA	2021	38	3,693	792 Planned/Scheduled (14),Trees (8),Animal (6),Equipment Failure (4),Bird (2),No Specific Cause Found (2),Unique Incident (1),Trees - Outside ROW (1)
LAKE ODESSA	2022	37	32,356	5,912 Equipment Failure (13),Trees (10),Animal (3),No Specific Cause Found (3),Weather (2),Public Damage (2),Bird (1),Trees - Outside ROW (1),Lightning (1),Unique Incident (1)
LAKE ODESSA	2023	29	1,854	893 Trees (8),Animal (7),Equipment Failure (4),Weather (3),No Specific Cause Found (2),Unique Incident (1),Forced Outage/Emergency (1),Trees - Outside ROW (1),Car/Pole Accident (1),Public Damage (1)
LAKE ODESSA	2024	22	2,449	870 Trees (6),Equipment Failure (5),Lightning (3),Animal (3),Forced Outage/Emergency (3),Unique Incident (1),No Specific Cause Found (1)
SHERIDAN	2020	67	8,899	3,540 Trees (22),No Specific Cause Found (12),Equipment Failure (11),Trees - Outside ROW (4),Weather (4),Lightning (3),Forced Outage/Emergency (2),Planned/Scheduled (2),Unique Incident (2),Animal (2),Transmission/Generation (2),Public Damage (1)
SHERIDAN	2021	58	4,412	1,357 Trees (19),No Specific Cause Found (11),Equipment Failure (9),Weather (6),Planned/Scheduled (3),Unique Incident (3),Car/Pole Accident (2),Bird (2),Animal (1),Forced Outage/Emergency (1),Public Damage (1)
SHERIDAN	2022	68	16,612	4,241 Trees (26),No Specific Cause Found (16),Equipment Failure (12),Weather (4),Animal (2),Trees - Outside ROW (2),Lightning (2),Bird (2),Unique Incident (1),Public Damage (1)
SHERIDAN	2023	93	6,971	2,345 Trees (38),No Specific Cause Found (14),Equipment Failure (13),Weather (10),Bird (6),Car/Pole Accident (3),Trees - Outside ROW (3),Unique Incident (3),Animal (2),Public Damage (1)
SHERIDAN	2024	91	9,862	3,529 Trees (30),No Specific Cause Found (24),Equipment Failure (10),Weather (9),Animal (6),Trees - Outside ROW (5),Unique Incident (3),Public Damage (2),Lightning (1),Bird (1)
EDGEWOOD	2020	14	2,039	1,211 Equipment Failure (4),Forced Outage/Emergency (2),No Specific Cause Found (1),Planned/Scheduled (1),Weather (1),Trees (1),Car/Pole Accident (1),Animal (1),Public Damage (1),Trees - Outside ROW (1)
EDGEWOOD	2021	18	668	164 Equipment Failure (5),Trees (5),Lightning (2),Weather (1),Animal (1),Transmission/Generation (1),Car/Pole Accident (1),Unique Incident (1),No Specific Cause Found (1)
EDGEWOOD	2022	11	88	51 Equipment Failure (5),Trees (2),Bird (1),Animal (1),No Specific Cause Found (1),Unique Incident (1)
EDGEWOOD	2023	19	3,177	903 Equipment Failure (10),Lightning (5),Trees (2),Bird (1),Public Damage (1)
EDGEWOOD	2024	11	1,128	603 Lightning (3),Trees (2),Weather (1),Equipment Failure (1),Forced Outage/Emergency (1),Animal (1),Unique Incident (1),No Specific Cause Found (1)
WAKESHMA	2020	43	4,599	1,199 Trees (13),Equipment Failure (8),No Specific Cause Found (6),Lightning (3),Weather (3),Planned/Scheduled (2),Trees - Outside ROW (2),Public Damage (2),Car/Pole Accident (1),Unique Incident (1),Forced Outage/Emergency (1),Animal (1)
WAKESHMA	2021	31	2,296	743 Trees (17),Weather (4),Trees - Outside ROW (3),Equipment Failure (2),Lightning (1),Animal (1),Public Damage (1),No Specific Cause Found (1),Forced Outage/Emergency (1)
WAKESHMA	2022	41	3,529	1,151 Trees (13),Trees - Outside ROW (6),Weather (6),Equipment Failure (5),Animal (4),No Specific Cause Found (4),Transmission/Generation (2),Unique Incident (1)
WAKESHMA	2023	34	2,010	538 Equipment Failure (9),Trees (7),Public Damage (4),No Specific Cause Found (4),Forced Outage/Emergency (3),Trees - Outside ROW (3),Bird (1),Lightning (1),Unique Incident (1),Weather (1)
WAKESHMA	2024	38	2,777	460 Trees (9),Equipment Failure (5),No Specific Cause Found (5),Trees - Outside ROW (5),Unique Incident (4),Weather (4),Public Damage (2),Animal (2),Bird (1),Car/Pole Accident (1)
FAIRBANKS	2020	2	29	30 Equipment Failure (1),Unique Incident (1)
FAIRBANKS	2024	6	402	90 No Specific Cause Found (5),Unique Incident (1)
MONTAGUE	2020	73	6,973	4,267 Animal (16),Trees (15),No Specific Cause Found (14),Planned/Scheduled (12),Equipment Failure (9),Trees - Outside ROW (3),Forced Outage/Emergency (2),Weather (1),Unique Incident (1)
MONTAGUE	2021	56	9,161	5,743 Planned/Scheduled (15),Equipment Failure (8),No Specific Cause Found (8),Trees (7),Animal (6),Weather (4),Unique Incident (4),Car/Pole Accident (1),Bird (1),Lightning (1),Trees - Outside ROW (1)
MONTAGUE	2022	54	7,020	2,266 Animal (16),Weather (10),Trees (7),Equipment Failure (7),Trees - Outside ROW (5),No Specific Cause Found (5),Bird (2),Public Damage (1),Car/Pole Accident (1)
MONTAGUE	2023	61	7,539	1,750 Trees (24),Animal (11),Trees - Outside ROW (7),Weather (5),No Specific Cause Found (5),Equipment Failure (4),Forced Outage/Emergency (2),Unique Incident (1),Bird (1),Car/Pole Accident (1)
MONTAGUE	2024	92	8,003	4,157 Trees (31),Weather (19),Trees - Outside ROW (11),Equipment Failure (9),No Specific Cause Found (7),Animal (7),Forced Outage/Emergency (3),Unique Incident (3),Lightning (1),Bird (1)
PENTWATER	2020	50	16,802	1,886 Trees (13),Equipment Failure (10),Weather (6),Animal (6),Planned/Scheduled (6),Trees - Outside ROW (3),No Specific Cause Found (2),Lightning (2),Unique Incident (1),Bird (1)
PENTWATER	2021	46	2,506	618 Trees - Outside ROW (8),Trees (7),Equipment Failure (7),Planned/Scheduled (7),Weather (4),Animal (3),No Specific Cause Found (3),Public Damage (3),Unique Incident (2),Car/Pole Accident (1),Bird (1)
PENTWATER	2022	27	5,824	1,735 Trees (6),Equipment Failure (5),Animal (5),No Specific Cause Found (2),Weather (2),Transmission/Generation (2),Public Damage (1),Public Tree Trimming (1),Trees - Outside ROW (1),Lightning (1)
PENTWATER	2023	26	1,443	440 Animal (10),Equipment Failure (4),Trees - Outside ROW (4),No Specific Cause Found (4),Trees (3),Car/Pole Accident (1)
PENTWATER	2024	26	1,344	452 Trees - Outside ROW (6),Equipment Failure (5),No Specific Cause Found (5),Trees (4),Animal (3),Weather (2),Unique Incident (1)
WEST MAIN	2020	26	1,065	399 Trees (7),Weather (6),Equipment Failure (6),Planned/Scheduled (2),Lightning (2),Public Tree Trimming (1),No Specific Cause Found (1),Unique Incident (1)
WEST MAIN	2021	22	824	561 Equipment Failure (10),Trees (2),Planned/Scheduled (2),Forced Outage/Emergency (2),Unique Incident (2),No Specific Cause Found (1),Trees - Outside ROW (1),Weather (1),Animal (1)
WEST MAIN	2022	29	590	271 Equipment Failure (7),Trees (5),No Specific Cause Found (5),Unique Incident (4),Weather (3),Public Damage (2),Lightning (1),Forced Outage/Emergency (1),Car/Pole Accident (1)
WEST MAIN	2023	32	787	266 Unique Incident (9),Trees (8),Weather (6),Animal (3),Equipment Failure (3),Public Damage (1),Trees - Outside ROW (1),No Specific Cause Found (1)
WEST MAIN	2024	17	336	189 Public Damage (4),Trees (4),Equipment Failure (3),No Specific Cause Found (3),Trees - Outside ROW (2),Lightning (1)
BRICKER	2020	97	17,032	5,971 Trees (45),No Specific Cause Found (17),Equipment Failure (10),Planned/Scheduled (8),Animal (6),Weather (5),Unique Incident (3),Trees - Outside ROW (3)
BRICKER	2021	72	3,372	1,845 Trees (19),Planned/Scheduled (15),No Specific Cause Found (14),Equipment Failure (7),Car/Pole Accident (6),Animal (5),Weather (3),Trees - Outside ROW (1),Public Tree Trimming (1),Unique Incident (1)
BRICKER	2022	57	5,813	2,323 Equipment Failure (14),Trees (13),No Specific Cause Found (11),Animal (8),Weather (4),Lightning (3),Trees - Outside ROW (2),Unique Incident (1),Bird (1)
BRICKER	2023	65	10,790	3,731 No Specific Cause Found (20),Weather (11),Animal (10),Equipment Failure (10),Trees (6),Trees - Outside ROW (3),Unique Incident (2),Lightning (2),Public Damage (1)
BRICKER	2024	62	2,918	676 Animal (21),No Specific Cause Found (16),Equipment Failure (11),Trees (5),Unique Incident (3),Weather (2),Trees - Outside ROW (2),Lightning (1),Forced Outage/Emergency (1)
LATIMER	2020	23	12,595	4,420 Animal (7),Equipment Failure (5),Planned/Scheduled (5),Car/Pole Accident (3),Trees (2),Trees - Outside ROW (1)
LATIMER	2021	20	4,833	2,227 Equipment Failure (12),Trees - Outside ROW (3),Planned/Scheduled (2),Forced Outage/Emergency (1),Animal (1),Trees (1)
LATIMER	2022	16	816	349 Animal (9),Trees (4),Trees - Outside ROW (2),No Specific Cause Found (1)
LATIMER	2023	26	4,177	1,079 Animal (12),No Specific Cause Found (5),Equipment Failure (3),Car/Pole Accident (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Weather (1),Public Damage (1)
LATIMER	2024	26	2,443	1,743 No Specific Cause Found (8),Equipment Failure (6),Trees (5),Trees - Outside ROW (3),Animal (2),Car/Pole Accident (1),Weather (1)
HYDE PARK	2020	25	251	87 Animal (6),Equipment Failure (6),Planned/Scheduled (5),Trees - Outside ROW (3),No Specific Cause Found (2),Lightning (1),Trees (1),Weather (1)
HYDE PARK	2021	28	777	340 Equipment Failure (7),Planned/Scheduled (6),Trees (6),No Specific Cause Found (3),Weather (2),Animal (2),Trees - Outside ROW (1),Forced Outage/Emergency (1)
HYDE PARK	2022	26	365	221 Equipment Failure (8),Weather (6),Animal (4),Car/Pole Accident (2),Trees - Outside ROW (2),Trees (2),No Specific Cause Found (2)
HYDE PARK	2023	31	842	529 Animal (13),Trees (6),Trees - Outside ROW (4),Equipment Failure (4),No Specific Cause Found (2),Bird (1),Weather (1)
HYDE PARK	2024	49	6,060	1,464 Trees (18),Weather (8),Animal (8),Equipment Failure (7),No Specific Cause Found (3),Trees - Outside ROW (2),Forced Outage/Emergency (2),Unique Incident (1)
BATES	2020	28	974	337 Equipment Failure (14),Animal (7),Trees (4),Planned/Scheduled (2),Lightning (1)
BATES	2021	42	8,716	2,332 Equipment Failure (18),Trees (5),Animal (5),Planned/Scheduled (4),Forced Outage/Emergency (3),Weather (3),Unique Incident (1),Lightning (1),Public Damage (1),No Specific Cause Found (1)
BATES	2022	44	2,894	1,039 Equipment Failure (17),Animal (12),Trees (8),Unique Incident (3),No Specific Cause Found (1),Forced Outage/Emergency (1),Trees - Outside ROW (1),Public Damage (1)
BATES	2023	10	1,702	396 Animal (4),Equipment Failure (2),Weather (1),Trees - Outside ROW (1),Lightning (1),Unique Incident (1)
BATES	2024	29	2,677	579 Trees (6),Animal (6),No Specific Cause Found (6),Equipment Failure (5),Forced Outage/Emergency (2),Weather (2),Public Damage (1),Trees - Outside ROW (1)
DIVISION	2020	33	646	598 Animal (17),Trees (5),Equipment Failure (3),No Specific Cause Found (3),Unique Incident (1),Forced Outage/Emergency (1),Public Damage (1),Trees - Outside ROW (1),Bird (1)
DIVISION	2021	24	1,534	1,171 Animal (9),Trees (6),Equipment Failure (9),Planned/Scheduled (8),No Specific Cause Found (1),Weather (1)
DIVISION	2022	25	4,706	2,051 Animal (10),Equipment Failure (6),Trees (3),No Specific Cause Found (2),Weather (1),Unique Incident (1),Forced Outage/Emergency (1),Public Damage (1)
DIVISION	2023	26	5,992	2,909 Animal (17),Equipment Failure (3),Weather (2),Trees (1),No Specific Cause Found (1),Bird (1),Trees - Outside ROW (1)
DIVISION	2024	25	5,305	3,346 Animal (10),Trees (4),Equipment Failure (3),Bird (2),No Specific Cause Found (2),Unique Incident (2),Weather (1),Public Damage (1)
CENTRAL LAKE	2020	48	8,091	4,181 Animal (12),Planned/Scheduled (10),Trees (10),Equipment Failure (4),Trees - Outside ROW (3),No Specific Cause Found (2),Car/Pole Accident (2),Public Tree Trimming (2),Unique Incident (1),Forced Outage/Emergency (1),Lightning (1)
CENTRAL LAKE	2021	47	5,533	2,526 Equipment Failure (13),Trees - Outside ROW (11),Trees (8),Animal (4),Lightning (3),Weather (3),Forced Outage/Emergency (2),Transmission/Generation (1),Planned/Scheduled (1),Public Damage (1)
CENTRAL LAKE	2022	41	8,731	2,050 Equipment Failure (10),Trees - Outside ROW (9),Weather (8),Trees (8),Public Damage (2),Forced Outage/Emergency (1),Unique Incident (1),Animal (1),Public Tree Trimming (1)
CENTRAL LAKE	2023	17	2,424	1,001 Animal (5),Trees - Outside ROW (4),Trees (3),Equipment Failure (2),No Specific Cause Found (1),Unique Incident (1),Lightning (1)
CENTRAL LAKE	2024	22	6,875	1,041 Equipment Failure (7),Trees (4),Animal (4),Unique Incident (2),Trees - Outside ROW (2),No Specific Cause Found (2),Forced Outage/Emergency (1)
DIETZ ROAD	2020	22	1,246	479 Equipment Failure (6),Planned/Scheduled (4),Trees - Outside ROW (3),Trees (2),Animal (2),No Specific Cause Found (2),Unique Incident (1),Forced Outage/Emergency (1),Weather (1)
DIETZ ROAD	2021	31	2,711	1,428 Planned/Scheduled (15),Equipment Failure (10),No Specific Cause Found (2),Forced Outage/Emergency (2),Trees - Outside ROW (1),Animal (1)
DIETZ ROAD	2022	19	2,262	409 Animal (6),Weather (4),Trees - Outside ROW (3),No Specific Cause Found (3),Equipment Failure (2),Unique Incident (1)
DIETZ ROAD	2023	9	526	100 Equipment Failure (4),No Specific Cause Found (2),Animal (2),Trees - Outside ROW (1)
DIETZ ROAD	2024	17	2,251	537 Equipment Failure (6),Trees (3),No Specific Cause Found (3),Unique Incident (1),Weather (1),Animal (1),Forced Outage/Emergency (1),Trees - Outside ROW (1)
BECKER	2020	87	4,288	1,753 Animal (31),Equipment Failure (14),Trees (12),Planned/Scheduled (8),No Specific Cause Found (8),Trees - Outside ROW (4),Car/Pole Accident (3),Weather (3),Forced Outage/Emergency (2),Bird (1)
BECKER	2021	76	14,772	2,643 Trees (22),Animal (12),Planned/Scheduled (11),Trees - Outside ROW (6),No Specific Cause Found (6),Equipment Failure (7),Weather (5),Lightning (1),Car/Pole Accident (1)
BECKER	2022	60	3,848	895 Animal (24),Trees (12),Equipment Failure (10),No Specific Cause Found (6),Forced Outage/Emergency (2),Unique Incident (2),Trees - Outside ROW (2),Lightning (1),Weather (1)
BECKER	2023	80	8,825	1,367 Animal (27),Trees (23),Equipment Failure (14),No Specific Cause Found (8),Weather (3),Trees - Outside ROW (2),Bird (1),Public Damage (1),Unique Incident (1)
BECKER	2024	90	5,262	1,120 Trees (31),Animal (17),Weather (14),Equipment Failure (10),No Specific Cause Found (5),Forced Outage/Emergency (5),Unique Incident (3),Trees - Outside ROW (3),Bird (1),Public Tree Trimming (1)
JAMESTOWN	2020	1	4	1 Equipment Failure (1)
JAMESTOWN	2021	4	1,288	248 Weather (2),Equipment Failure (2)
JAMESTOWN	2022	3	7	4 Equipment Failure (2),No Specific Cause Found (1)

JAMESTOWN	2024	2	7	2	No Specific Cause Found (1),Unique Incident (1)
PELLSTON	2020	89	7,289	2,732	Equipment Failure (25),Trees - Outside ROW (25),Trees (21),Planned/Scheduled (6),Weather (5),No Specific Cause Found (2),Public Tree Trimming (1),Forced Outage/Emergency (1),Unique Incident (1),Animal (1),Lightning (1)
PELLSTON	2021	91	6,308	2,592	Trees (29),Trees - Outside ROW (17),Weather (16),Equipment Failure (14),Planned/Scheduled (5),Animal (3),Forced Outage/Emergency (3),No Specific Cause Found (2),Public Damage (1),Lightning (1)
PELLSTON	2022	51	5,817	1,613	Trees (14),Trees - Outside ROW (13),Equipment Failure (11),Weather (6),Animal (2),No Specific Cause Found (2),Lightning (1),Unique Incident (1),Forced Outage/Emergency (1)
PELLSTON	2023	45	10,705	3,766	Trees - Outside ROW (20),Equipment Failure (12),No Specific Cause Found (4),Unique Incident (3),Trees (2),Weather (1),Forced Outage/Emergency (1),Car/Pole Accident (1),Animal (1)
PELLSTON	2024	48	4,943	2,887	Trees - Outside ROW (18),Equipment Failure (14),No Specific Cause Found (6),Trees (5),Forced Outage/Emergency (2),Public Damage (1),Weather (1),Animal (1)
CHEBOYGAN	2020	60	2,138	770	Equipment Failure (22),Planned/Scheduled (10),Trees (6),Trees - Outside ROW (6),Animal (6),Weather (4),Forced Outage/Emergency (2),Lightning (1),No Specific Cause Found (1)
CHEBOYGAN	2021	56	17,813	6,931	Trees (13),Trees - Outside ROW (11),Equipment Failure (7),Animal (7),Car/Pole Accident (5),Planned/Scheduled (5),Forced Outage/Emergency (3),No Specific Cause Found (2),Weather (2),Public Damage (1)
CHEBOYGAN	2022	54	11,063	3,104	Trees - Outside ROW (15),Equipment Failure (11),Animal (10),Trees (7),Weather (3),Lightning (3),No Specific Cause Found (2),Bird (2),Public Damage (1)
CHEBOYGAN	2023	33	3,638	1,717	Equipment Failure (14),Animal (5),Trees - Outside ROW (5),Forced Outage/Emergency (3),No Specific Cause Found (2),Unique Incident (1),Public Damage (1),Weather (1),Trees (1)
CHEBOYGAN	2024	47	8,178	1,655	Equipment Failure (10),Trees (8),Animal (7),Trees - Outside ROW (6),No Specific Cause Found (4),Forced Outage/Emergency (3),Lightning (2),Unique Incident (2),Weather (2),Public Damage (2),Car/Pole Accident (1)
AUBIL LAKE	2020	67	6,075	2,444	Trees (15),Equipment Failure (15),Planned/Scheduled (8),Animal (7),No Specific Cause Found (6),Car/Pole Accident (6),Weather (5),Trees - Outside ROW (2),Unique Incident (2),Public Damage (1)
AUBIL LAKE	2021	89	6,654	4,189	Planned/Scheduled (29),Trees (16),No Specific Cause Found (12),Equipment Failure (12),Animal (7),Weather (3),Unique Incident (3),Forced Outage/Emergency (2),Trees - Outside ROW (2),Public Damage (1),Lightning (1),Transmission/Generation (1)
AUBIL LAKE	2022	75	13,661	4,067	Trees (25),No Specific Cause Found (13),Equipment Failure (11),Animal (10),Weather (5),Lightning (4),Car/Pole Accident (2),Bird (2),Public Damage (1),Unique Incident (1),Trees - Outside ROW (1)
AUBIL LAKE	2023	52	5,699	1,899	Animal (17),Equipment Failure (8),Trees (7),No Specific Cause Found (7),Lightning (4),Trees - Outside ROW (3),Public Damage (3),Weather (2),Forced Outage/Emergency (1)
AUBIL LAKE	2024	67	9,287	4,637	No Specific Cause Found (19),Trees (11),Equipment Failure (10),Animal (7),Trees - Outside ROW (5),Lightning (5),Weather (5),Bird (3),Unique Incident (1),Forced Outage/Emergency (1)
BAY HARBOR	2020	4	11	6	Equipment Failure (2),Forced Outage/Emergency (1),Trees (1)
BAY HARBOR	2021	7	3,830	730	Planned/Scheduled (3),Public Damage (2),No Specific Cause Found (1),Forced Outage/Emergency (1)
BAY HARBOR	2022	3	14	4	Equipment Failure (2),No Specific Cause Found (1)
BAY HARBOR	2023	1	7	2	Public Damage (1)
BAY HARBOR	2024	7	407	195	Unique Incident (4),Equipment Failure (3)
RODNEY	2020	117	11,244	3,804	Trees (57),Equipment Failure (18),Weather (12),No Specific Cause Found (10),Animal (9),Planned/Scheduled (7),Trees - Outside ROW (2),Unique Incident (1),Public Damage (1)
RODNEY	2021	85	21,887	5,148	Trees (32),Equipment Failure (13),Planned/Scheduled (11),Animal (6),Trees - Outside ROW (5),Lightning (3),Car/Pole Accident (3),Weather (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Unique Incident (2),Public Tree Trimming (1),Public Damage (1)
RODNEY	2022	82	24,796	5,601	Trees (40),Equipment Failure (14),No Specific Cause Found (10),Trees - Outside ROW (6),Animal (5),Weather (4),Forced Outage/Emergency (1),Bird (1),Public Damage (1)
RODNEY	2023	105	15,156	3,488	Trees (34),Equipment Failure (27),Weather (13),No Specific Cause Found (12),Animal (7),Trees - Outside ROW (6),Forced Outage/Emergency (2),Bird (2),Public Damage (1),Unique Incident (1)
RODNEY	2024	79	22,693	2,746	Trees (37),Equipment Failure (11),No Specific Cause Found (10),Weather (9),Trees - Outside ROW (6),Animal (3),Forced Outage/Emergency (1),Unique Incident (1),Public Damage (1)
MORGAN	2020	109	9,112	2,207	Trees (45),Equipment Failure (18),Weather (15),Planned/Scheduled (7),Trees - Outside ROW (6),No Specific Cause Found (4),Public Damage (3),Car/Pole Accident (3),Animal (2),Lightning (1),Public Tree Trimming (1),Bird (1)
MORGAN	2021	91	4,922	2,176	Trees (40),Equipment Failure (21),Planned/Scheduled (11),No Specific Cause Found (8),Weather (6),Trees - Outside ROW (4),Forced Outage/Emergency (1)
MORGAN	2022	59	9,668	4,123	Equipment Failure (17),Weather (12),Trees (10),Trees - Outside ROW (9),No Specific Cause Found (4),Animal (2),Car/Pole Accident (2),Unique Incident (1),Forced Outage/Emergency (1),Lightning (1)
MORGAN	2023	72	8,440	1,987	Trees (21),Weather (21),Equipment Failure (12),Trees - Outside ROW (7),No Specific Cause Found (4),Forced Outage/Emergency (2),Bird (2),Public Damage (2),Car/Pole Accident (1)
MORGAN	2024	100	19,849	6,191	Trees (31),Trees - Outside ROW (23),Equipment Failure (13),Weather (8),Forced Outage/Emergency (6),No Specific Cause Found (6),Animal (5),Car/Pole Accident (3),Lightning (3),Public Tree Trimming (1),Bird (1)
PEACH RIDGE	2020	21	1,108	557	Trees (6),Weather (4),Equipment Failure (3),Public Damage (3),Lightning (2),Bird (1),Car/Pole Accident (1),Trees - Outside ROW (1)
PEACH RIDGE	2021	28	2,011	1,144	Equipment Failure (6),Trees (5),No Specific Cause Found (3),Trees - Outside ROW (3),Weather (3),Planned/Scheduled (3),Lightning (2),Unique Incident (1),Animal (1),Bird (1)
PEACH RIDGE	2022	33	1,258	296	Trees (9),Equipment Failure (5),No Specific Cause Found (5),Unique Incident (3),Animal (3),Weather (2),Lightning (2),Bird (2),Public Damage (1),Forced Outage/Emergency (1)
PEACH RIDGE	2023	20	3,257	211	Equipment Failure (4),No Specific Cause Found (3),Lightning (3),Trees (3),Animal (3),Public Damage (2),Bird (1),Forced Outage/Emergency (1)
PEACH RIDGE	2024	39	1,153	496	Animal (11),Trees (7),Equipment Failure (6),No Specific Cause Found (6),Weather (4),Car/Pole Accident (2),Public Damage (1),Unique Incident (1),Forced Outage/Emergency (1)
ARCADIA	2020	72	4,924	1,176	Trees (28),Animal (14),Equipment Failure (9),No Specific Cause Found (8),Trees - Outside ROW (7),Planned/Scheduled (2),Weather (2),Lightning (1),Unique Incident (1)
ARCADIA	2021	82	4,461	2,469	Trees (30),Equipment Failure (12),Animal (8),Forced Outage/Emergency (7),Trees - Outside ROW (6),No Specific Cause Found (6),Weather (4),Car/Pole Accident (2),Lightning (2),Planned/Scheduled (2),Public Tree Trimming (1),Public Damage (1),Unique Incident (1)
ARCADIA	2022	91	9,683	1,462	Trees (47),Equipment Failure (14),Animal (11),No Specific Cause Found (6),Weather (6),Trees - Outside ROW (3),Unique Incident (1),Forced Outage/Emergency (1),Public Damage (1),Car/Pole Accident (1)
ARCADIA	2023	50	3,289	1,497	Trees (15),Animal (12),Trees - Outside ROW (6),No Specific Cause Found (6),Weather (4),Equipment Failure (4),Lightning (1),Car/Pole Accident (1),Public Damage (1)
ARCADIA	2024	68	5,882	3,012	Trees (22),No Specific Cause Found (15),Animal (9),Trees - Outside ROW (7),Equipment Failure (4),Weather (2),Lightning (2),Car/Pole Accident (2),Forced Outage/Emergency (2),Unique Incident (2),Bird (1)
MT FOREST	2020	52	2,188	928	Trees (18),Equipment Failure (14),Forced Outage/Emergency (5),Trees - Outside ROW (5),Weather (3),Planned/Scheduled (3),No Specific Cause Found (2),Unique Incident (1),Animal (1)
MT FOREST	2021	66	3,304	2,237	Trees (20),Equipment Failure (13),Forced Outage/Emergency (8),Planned/Scheduled (7),Trees - Outside ROW (5),Lightning (4),Unique Incident (3),No Specific Cause Found (3),Weather (2),Animal (1)
MT FOREST	2022	61	5,196	2,348	Trees (20),Equipment Failure (13),Trees - Outside ROW (11),Forced Outage/Emergency (5),Weather (5),Bird (2),Unique Incident (2),Transmission/Generation (1),Lightning (1),Public Damage (1)
MT FOREST	2023	33	6,032	817	Trees (10),Trees - Outside ROW (7),Equipment Failure (5),Animal (4),Weather (4),Public Damage (1),No Specific Cause Found (1),Lightning (1)
MT FOREST	2024	58	4,021	1,304	Weather (15),Trees (13),Trees - Outside ROW (8),No Specific Cause Found (8),Equipment Failure (8),Forced Outage/Emergency (3),Animal (2),Unique Incident (1)
CRYSTAL	2020	49	4,685	1,353	Trees (19),No Specific Cause Found (11),Equipment Failure (6),Planned/Scheduled (6),Weather (3),Forced Outage/Emergency (1),Animal (1),Car/Pole Accident (1),Trees - Outside ROW (1)
CRYSTAL	2021	63	2,835	1,457	Trees (31),Equipment Failure (9),Forced Outage/Emergency (5),Unique Incident (4),Weather (4),Trees - Outside ROW (3),Lightning (2),Planned/Scheduled (2),Animal (1),Bird (1),No Specific Cause Found (1)
CRYSTAL	2022	49	12,863	2,376	Trees (27),No Specific Cause Found (8),Equipment Failure (3),Trees - Outside ROW (3),Car/Pole Accident (2),Animal (2),Weather (2),Bird (1),Lightning (1)
CRYSTAL	2023	52	5,720	1,502	Trees (20),Equipment Failure (9),Unique Incident (7),Weather (6),Animal (3),No Specific Cause Found (3),Trees - Outside ROW (2),Public Damage (1),Forced Outage/Emergency (1)
CRYSTAL	2024	37	3,752	818	Trees (13),No Specific Cause Found (7),Trees - Outside ROW (4),Weather (4),Equipment Failure (2),Animal (2),Car/Pole Accident (2),Forced Outage/Emergency (2),Bird (1)
HASKELTIE	2020	68	6,223	3,731	Animal (19),Trees (14),Equipment Failure (14),No Specific Cause Found (8),Weather (6),Planned/Scheduled (4),Lightning (1),Forced Outage/Emergency (1),Car/Pole Accident (1)
HASKELTIE	2021	81	3,809	1,931	Animal (28),Weather (14),Planned/Scheduled (12),No Specific Cause Found (8),Unique Incident (6),Equipment Failure (4),Trees (3),Public Damage (3),Trees - Outside ROW (2),Car/Pole Accident (1)
HASKELTIE	2022	54	8,546	6,162	Animal (19),Equipment Failure (7),No Specific Cause Found (5),Car/Pole Accident (5),Trees (5),Unique Incident (4),Weather (3),Public Damage (3),Lightning (2),Trees - Outside ROW (1)
HASKELTIE	2023	48	8,849	4,063	Animal (13),Equipment Failure (13),Trees (8),No Specific Cause Found (6),Trees - Outside ROW (2),Car/Pole Accident (2),Public Tree Trimming (1),Lightning (1),Unique Incident (1),Public Damage (1)
HASKELTIE	2024	66	11,343	4,310	Animal (28),No Specific Cause Found (12),Equipment Failure (9),Weather (5),Trees (3),Forced Outage/Emergency (3),Bird (2),Unique Incident (2),Car/Pole Accident (2)
PALO	2020	42	6,442	1,037	Trees (15),No Specific Cause Found (7),Equipment Failure (5),Animal (4),Unique Incident (2),Bird (2),Trees - Outside ROW (2),Weather (2),Planned/Scheduled (1),Forced Outage/Emergency (1),Public Tree Trimming (1)
PALO	2021	53	13,545	3,162	Trees (29),Equipment Failure (5),Weather (5),Planned/Scheduled (3),No Specific Cause Found (3),Trees - Outside ROW (3),Animal (2),Bird (1),Lightning (1),Car/Pole Accident (1)
PALO	2022	42	2,460	674	Trees (17),Equipment Failure (9),No Specific Cause Found (8),Weather (4),Lightning (1),Forced Outage/Emergency (1),Transmission/Generation (1),Bird (1)
PALO	2023	32	8,006	1,582	Trees (13),No Specific Cause Found (9),Trees - Outside ROW (3),Weather (3),Equipment Failure (2),Animal (1),Unique Incident (1)
PALO	2024	62	2,823	811	Trees (17),Trees - Outside ROW (15),No Specific Cause Found (11),Weather (8),Equipment Failure (7),Bird (2),Public Damage (1),Lightning (1)
SHATTUCK	2020	61	6,257	2,172	Weather (14),Planned/Scheduled (11),Equipment Failure (4),Forced Outage/Emergency (3),Unique Incident (1),Public Damage (1),Animal (1),No Specific Cause Found (1)
SHATTUCK	2021	27	2,421	910	Trees (8),No Specific Cause Found (7),Equipment Failure (5),Planned/Scheduled (2),Forced Outage/Emergency (2),Trees - Outside ROW (1),Weather (1),Animal (1)
SHATTUCK	2022	26	4,118	1,488	Equipment Failure (6),No Specific Cause Found (5),Trees (4),Car/Pole Accident (3),Weather (2),Public Damage (2),Forced Outage/Emergency (2),Animal (1),Trees - Outside ROW (1)
SHATTUCK	2023	9	152	107	Equipment Failure (3),Forced Outage/Emergency (2),Animal (2),Trees (1),Weather (1)
SHATTUCK	2024	13	526	280	Trees (6),Equipment Failure (2),Forced Outage/Emergency (2),No Specific Cause Found (1),Weather (1),Trees - Outside ROW (1)
MERRILL	2020	55	4,149	765	Trees (19),Equipment Failure (15),Weather (8),Planned/Scheduled (4),Animal (3),Public Damage (3),Car/Pole Accident (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
MERRILL	2021	66	2,532	1,483	Trees (14),Equipment Failure (14),Planned/Scheduled (14),Lightning (6),Animal (6),Weather (5),Unique Incident (2),No Specific Cause Found (2),Public Damage (2),Bird (1)
MERRILL	2022	33	694	209	Weather (18),Equipment Failure (6),Trees (3),Animal (3),Trees - Outside ROW (1),Unique Incident (1),No Specific Cause Found (1)
MERRILL	2023	37	7,136	2,017	Trees (13),Equipment Failure (9),Animal (7),No Specific Cause Found (4),Lightning (2),Weather (1),Unique Incident (1)
MERRILL	2024	34	3,683	1,950	Trees (7),Animal (5),Equipment Failure (5),No Specific Cause Found (5),Weather (3),Unique Incident (3),Car/Pole Accident (2),Bird (2),Lightning (1),Trees - Outside ROW (1)
OLIVET	2020	61	14,921	3,169	Equipment Failure (20),Trees (15),No Specific Cause Found (9),Weather (7),Trees - Outside ROW (2),Lightning (2),Animal (2),Car/Pole Accident (1),Public Damage (1),Bird (1),Planned/Scheduled (1)
OLIVET	2021	52	4,058	1,286	Trees (21),Equipment Failure (10),No Specific Cause Found (5),Public Damage (3),Weather (3),Planned/Scheduled (2),Trees - Outside ROW (2),Animal (2),Unique Incident (1),Forced Outage/Emergency (1),Lightning (1),Car/Pole Accident (1)
OLIVET	2022	65	3,548	1,334	Equipment Failure (17),Trees (14),Weather (9),Lightning (4),No Specific Cause Found (4),Trees - Outside ROW (4),Animal (3),Unique Incident (3),Car/Pole Accident (2),Public Damage (2),Bird (2),Forced Outage/Emergency (1)
OLIVET	2023	68	2,156	1,442	Equipment Failure (22),No Specific Cause Found (14),Trees (11),Trees - Outside ROW (7),Animal (4),Weather (3),Lightning (3),Public Tree Trimming (2),Car/Pole Accident (1),Forced Outage/Emergency (1)
OLIVET	2024	55	5,933	2,334	Trees (15),Equipment Failure (14),Weather (8),Animal (7),Trees - Outside ROW (5),No Specific Cause Found (4),Unique Incident (1),Forced Outage/Emergency (1)
FENNVILLE	2020	61	3,414	1,506	Equipment Failure (14),Planned/Scheduled (13),Trees (12),No Specific Cause Found (6),Unique Incident (5),Lightning (3),Weather (2),Trees - Outside ROW (2),Bird (1),Public Damage (1),Public Tree Trimming (1),Forced Outage/Emergency (1)
FENNVILLE	2021	67	9,290	4,385	Trees (19),Equipment Failure (12),Weather (6),Planned/Scheduled (7),Trees - Outside ROW (6),No Specific Cause Found (6),Unique Incident (4),Forced Outage/Emergency (2),Lightning (2),Animal (1)
FENNVILLE	2022	30	8,850	3,513	No Specific Cause Found (8),Equipment Failure (5),Trees (4),Weather (4),Lightning (3),Car/Pole Accident (2),Trees - Outside ROW (2),Unique Incident (1),Forced Outage/Emergency (1)
FENNVILLE	2023	34	3,732	3,593	Trees (7),No Specific Cause Found (5),Equipment Failure (5),Lightning (5),Animal (4),Trees - Outside ROW (3),Weather (2),Public Damage (1),Forced Outage/Emergency (1),Unique Incident (1)
FENNVILLE	2024	53	3,315	1,090	Trees (24),Equipment Failure (7),Trees - Outside ROW (7),No Specific Cause Found (5),Weather (4),Unique Incident (3),Forced Outage/Emergency (2),Lightning (1)
STANDALE	2020	134	27,604	10,993	Animal (45),Trees (34),Equipment Failure (21),Unique Incident (8),Weather (7),No Specific Cause Found (7),Public Damage (3),Car/Pole Accident (3),Forced Outage/Emergency (3),Planned/Scheduled (1),Public Tree Trimming (1),Trees - Outside ROW (1)
STANDALE	2021	133	15,696	8,865	Trees (45),Equipment Failure (22),Animal (18),Weather (10),No Specific Cause Found (10),Planned/Scheduled (7),Trees - Outside ROW (6),Public Damage (4),Forced Outage/Emergency (3),Lightning (2),Unique Incident (2),Bird (2),Public Tree Trimming (1),Car/Pole Accident (1)

STANDALE	2022	140	16,439	8,047 Animal (42),Trees (36),Equipment Failure (23),Weather (12),No Specific Cause Found (11),Forced Outage/Emergency (6),Trees - Outside ROW (6),Unique Incident (2),Public Damage (1),Lightning (1)
STANDALE	2023	127	16,390	7,994 Animal (28),Trees (24),No Specific Cause Found (22),Equipment Failure (20),Weather (13),Trees - Outside ROW (5),Forced Outage/Emergency (5),Public Damage (4),Unique Incident (3),Bird (2),Car/Pole Accident (1)
STANDALE	2024	159	35,471	16,215 Animal (46),Equipment Failure (30),Trees (26),No Specific Cause Found (20),Weather (15),Forced Outage/Emergency (6),Trees - Outside ROW (4),Public Damage (4),Unique Incident (3),Lightning (2),Car/Pole Accident (2),Bird (1)
EASTWOOD	2020	43	2,297	905 Planned/Scheduled (15),Trees (12),Equipment Failure (11),Weather (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
EASTWOOD	2021	55	1,595	1,079 Trees (13),Weather (11),Equipment Failure (11),Planned/Scheduled (9),Car/Pole Accident (3),Forced Outage/Emergency (2),Unique Incident (2),No Specific Cause Found (1),Animal (1),Trees - Outside ROW (1),Bird (1)
EASTWOOD	2022	43	6,446	3,424 Trees (19),Equipment Failure (8),Weather (6),Animal (3),No Specific Cause Found (3),Unique Incident (2),Trees - Outside ROW (2)
EASTWOOD	2023	33	6,410	2,684 Trees (9),Weather (8),Equipment Failure (6),Unique Incident (3),No Specific Cause Found (2),Lightning (1),Animal (1),Forced Outage/Emergency (1)
EASTWOOD	2024	34	912	698 Trees (16),Equipment Failure (6),Unique Incident (4),Car/Pole Accident (2),Animal (2),Trees - Outside ROW (2),Bird (1),No Specific Cause Found (1)
WYOMING PARK	2020	30	6,608	2,646 Equipment Failure (8),Trees (5),Animal (4),Public Damage (3),Weather (2),Car/Pole Accident (2),Forced Outage/Emergency (2),No Specific Cause Found (2),Planned/Scheduled (2)
WYOMING PARK	2021	38	3,463	2,464 Animal (9),Equipment Failure (7),Unique Incident (5),Trees - Outside ROW (3),Trees (3),Weather (3),Car/Pole Accident (2),No Specific Cause Found (2),Planned/Scheduled (1),Bird (1),Public Damage (1),Forced Outage/Emergency (1)
WYOMING PARK	2022	27	2,650	711 Equipment Failure (13),Animal (7),Trees (3),Car/Pole Accident (2),Weather (1),Public Damage (1)
WYOMING PARK	2023	31	8,298	4,222 No Specific Cause Found (7),Equipment Failure (5),Animal (5),Trees (4),Forced Outage/Emergency (3),Trees - Outside ROW (2),Public Damage (1),Car/Pole Accident (1),Unique Incident (1),Bird (1),Weather (1)
WYOMING PARK	2024	51	3,762	1,547 Trees (10),Equipment Failure (9),No Specific Cause Found (6),Car/Pole Accident (5),Animal (5),Weather (4),Public Damage (4),Lightning (3),Unique Incident (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Bird (1)
NORTH PARK	2020	40	9,084	5,144 Equipment Failure (13),Trees (7),Unique Incident (6),Animal (4),Planned/Scheduled (4),Weather (3),Bird (1),Public Tree Trimming (1),No Specific Cause Found (1)
NORTH PARK	2021	41	7,444	3,292 Equipment Failure (11),Animal (9),Trees (8),Planned/Scheduled (4),Unique Incident (2),No Specific Cause Found (2),Forced Outage/Emergency (1),Weather (1),Public Damage (1),Trees - Outside ROW (1),Lightning (1)
NORTH PARK	2022	47	19,150	8,005 Animal (22),Equipment Failure (12),No Specific Cause Found (6),Trees (3),Car/Pole Accident (2),Weather (2)
NORTH PARK	2023	73	4,365	2,686 Trees (22),Animal (15),Equipment Failure (14),No Specific Cause Found (10),Trees - Outside ROW (3),Public Damage (3),Weather (3),Unique Incident (2),Lightning (1)
NORTH PARK	2024	46	2,293	1,472 Animal (13),No Specific Cause Found (9),Trees (8),Equipment Failure (6),Forced Outage/Emergency (4),Weather (3),Unique Incident (2),Trees - Outside ROW (1)
OLIVER	2020	24	414	180 Equipment Failure (6),Trees (5),Public Damage (2),No Specific Cause Found (2),Planned/Scheduled (2),Car/Pole Accident (2),Animal (1),Unique Incident (1),Weather (1),Lightning (1),Trees - Outside ROW (1)
OLIVER	2021	22	1,637	556 Equipment Failure (9),Trees (5),Planned/Scheduled (3),Weather (2),Forced Outage/Emergency (1),Unique Incident (1),No Specific Cause Found (1)
OLIVER	2022	19	2,560	571 Equipment Failure (5),Trees (4),Animal (3),Unique Incident (2),Lightning (2),Forced Outage/Emergency (1),Weather (1),No Specific Cause Found (1)
OLIVER	2023	25	3,949	2,000 Trees (6),Equipment Failure (4),Weather (3),Animal (3),No Specific Cause Found (3),Unique Incident (2),Lightning (2),Public Damage (1),Trees - Outside ROW (1)
OLIVER	2024	18	575	311 Trees (5),Equipment Failure (4),Unique Incident (3),Forced Outage/Emergency (2),Weather (2),Animal (1),Lightning (1)
BRISTOL	2020	27	1,006	445 Trees (7),Forced Outage/Emergency (5),Weather (5),Unique Incident (3),Equipment Failure (3),Planned/Scheduled (2),Trees - Outside ROW (1),Animal (1)
BRISTOL	2021	33	6,780	1,335 Trees (10),Equipment Failure (4),Forced Outage/Emergency (4),Weather (3),Animal (2),No Specific Cause Found (2),Car/Pole Accident (2),Unique Incident (2),Trees - Outside ROW (1),Lightning (1),Public Damage (1),Planned/Scheduled (1)
BRISTOL	2022	27	1,661	328 Trees (11),Equipment Failure (7),No Specific Cause Found (4),Forced Outage/Emergency (3),Unique Incident (1),Animal (1)
BRISTOL	2023	18	2,726	1,121 Trees (5),Equipment Failure (4),Unique Incident (2),Forced Outage/Emergency (2),No Specific Cause Found (2),Public Tree Trimming (1),Trees - Outside ROW (1),Weather (1)
BRISTOL	2024	18	483	197 Equipment Failure (4),Trees (4),Unique Incident (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Trees - Outside ROW (1),Weather (1)
BELDING	2020	96	4,720	1,538 Trees (28),Equipment Failure (21),No Specific Cause Found (17),Forced Outage/Emergency (8),Planned/Scheduled (6),Animal (5),Weather (4),Bird (2),Lightning (2),Trees - Outside ROW (1),Unique Incident (1),Car/Pole Accident (1)
BELDING	2021	116	8,074	2,667 Trees (28),Equipment Failure (21),Planned/Scheduled (17),No Specific Cause Found (13),Animal (8),Weather (7),Trees - Outside ROW (5),Forced Outage/Emergency (5),Unique Incident (5),Bird (4),Public Damage (2),Public Tree Trimming (1)
BELDING	2022	77	6,370	2,382 Trees (23),Equipment Failure (18),No Specific Cause Found (15),Animal (6),Car/Pole Accident (4),Weather (4),Lightning (3),Unique Incident (2),Public Damage (1),Bird (1)
BELDING	2023	74	11,681	4,678 Trees (23),Equipment Failure (16),No Specific Cause Found (13),Trees - Outside ROW (8),Unique Incident (4),Forced Outage/Emergency (4),Weather (3),Animal (2),Public Damage (1)
BELDING	2024	78	5,588	1,920 Trees (16),Equipment Failure (13),No Specific Cause Found (13),Weather (11),Trees - Outside ROW (10),Animal (6),Forced Outage/Emergency (4),Unique Incident (3),Car/Pole Accident (2)
LETTIS ROAD	2020	76	12,373	4,027 Trees (27),Equipment Failure (17),Planned/Scheduled (5),Lightning (5),Weather (5),Trees - Outside ROW (4),No Specific Cause Found (4),Animal (3),Unique Incident (3),Forced Outage/Emergency (2),Car/Pole Accident (1)
LETTIS ROAD	2021	133	43,350	7,736 Trees (47),Equipment Failure (22),Planned/Scheduled (13),Weather (11),Animal (7),Unique Incident (7),No Specific Cause Found (6),Trees - Outside ROW (5),Public Damage (4),Forced Outage/Emergency (3),Lightning (3),Bird (2),Car/Pole Accident (2),Public Tree Trimming (1)
LETTIS ROAD	2022	82	20,288	4,278 Trees (31),Equipment Failure (14),Weather (8),No Specific Cause Found (8),Animal (7),Trees - Outside ROW (3),Bird (3),Unique Incident (3),Forced Outage/Emergency (3),Lightning (1),Car/Pole Accident (1)
LETTIS ROAD	2023	79	25,730	6,594 Trees (28),Equipment Failure (13),Unique Incident (10),No Specific Cause Found (10),Weather (7),Trees - Outside ROW (5),Animal (4),Forced Outage/Emergency (2)
LETTIS ROAD	2024	85	14,003	3,097 Trees (36),Equipment Failure (14),No Specific Cause Found (9),Unique Incident (7),Weather (6),Bird (4),Animal (4),Forced Outage/Emergency (3),Car/Pole Accident (1),Trees - Outside ROW (1)
HAMMOND ROAD	2020	24	90	69 Animal (11),Equipment Failure (5),Trees (4),Planned/Scheduled (2),Unique Incident (1),No Specific Cause Found (1)
HAMMOND ROAD	2021	17	3,473	541 Equipment Failure (8),Animal (5),Trees (2),Planned/Scheduled (1),No Specific Cause Found (1)
HAMMOND ROAD	2022	18	413	219 Trees (5),Animal (5),Equipment Failure (4),No Specific Cause Found (2),Public Damage (1),Trees - Outside ROW (1)
HAMMOND ROAD	2023	14	248	84 Equipment Failure (6),Animal (3),No Specific Cause Found (2),Lightning (2),Public Damage (1)
HAMMOND ROAD	2024	30	5,495	1,797 Trees (9),Equipment Failure (7),No Specific Cause Found (7),Animal (5),Public Damage (1),Unique Incident (1)
MANCELONA	2020	60	2,224	620 Trees (22),Equipment Failure (17),Animal (8),Trees - Outside ROW (5),Planned/Scheduled (3),Weather (2),Unique Incident (1),Lightning (1),Bird (1)
MANCELONA	2021	63	19,727	3,886 Equipment Failure (18),Trees (17),Trees - Outside ROW (9),Transmission/Generation (5),Animal (4),Unique Incident (3),Weather (2),Planned/Scheduled (2),Car/Pole Accident (1),Public Tree Trimming (1),No Specific Cause Found (1)
MANCELONA	2022	46	17,568	5,736 Equipment Failure (16),Trees (11),Trees - Outside ROW (5),Animal (4),No Specific Cause Found (3),Unique Incident (3),Weather (2),Public Tree Trimming (1),Public Damage (1)
MANCELONA	2023	37	1,694	678 Trees (12),Equipment Failure (10),Animal (4),Lightning (3),Trees - Outside ROW (2),No Specific Cause Found (2),Unique Incident (2),Forced Outage/Emergency (1),Weather (1)
MANCELONA	2024	44	1,916	605 Trees (13),Equipment Failure (6),No Specific Cause Found (6),Trees - Outside ROW (5),Unique Incident (4),Forced Outage/Emergency (4),Animal (3),Lightning (1),Car/Pole Accident (1),Weather (1)
NESTROM	2020	108	7,776	3,722 Trees (23),Animal (23),Equipment Failure (23),Planned/Scheduled (14),Forced Outage/Emergency (7),No Specific Cause Found (7),Trees - Outside ROW (5),Weather (2),Public Damage (2),Unique Incident (1),Car/Pole Accident (1)
NESTROM	2021	97	9,009	3,842 Trees (27),Animal (19),Planned/Scheduled (12),Equipment Failure (10),No Specific Cause Found (8),Trees - Outside ROW (7),Lightning (5),Car/Pole Accident (3),Unique Incident (3),Forced Outage/Emergency (2),Weather (1)
NESTROM	2022	103	15,389	2,705 Trees (45),Trees - Outside ROW (18),Equipment Failure (15),No Specific Cause Found (11),Animal (8),Weather (3),Car/Pole Accident (1),Public Damage (1),Forced Outage/Emergency (1)
NESTROM	2023	121	15,338	3,690 Trees (57),Animal (24),No Specific Cause Found (14),Equipment Failure (10),Trees - Outside ROW (9),Weather (4),Unique Incident (2),Forced Outage/Emergency (1)
NESTROM	2024	164	12,609	3,593 Trees (57),Animal (26),Trees - Outside ROW (22),Weather (16),Equipment Failure (13),Forced Outage/Emergency (11),No Specific Cause Found (10),Lightning (6),Unique Incident (2),Bird (1)
READING	2020	51	7,464	1,066 Equipment Failure (11),Trees (11),Weather (8),Trees - Outside ROW (6),No Specific Cause Found (6),Planned/Scheduled (6),Unique Incident (3)
READING	2021	70	10,673	2,341 Trees (29),Weather (12),Equipment Failure (9),Lightning (5),Trees - Outside ROW (5),Forced Outage/Emergency (3),No Specific Cause Found (2),Planned/Scheduled (2),Unique Incident (1),Car/Pole Accident (1),Public Damage (1)
READING	2022	47	3,973	1,343 Equipment Failure (11),Weather (9),Trees (9),No Specific Cause Found (6),Lightning (5),Trees - Outside ROW (3),Animal (2),Car/Pole Accident (1),Unique Incident (1)
READING	2023	74	8,363	1,317 Trees (24),Weather (16),Equipment Failure (16),No Specific Cause Found (9),Bird (2),Animal (2),Unique Incident (2),Trees - Outside ROW (2),Car/Pole Accident (1),Lightning (1),Forced Outage/Emergency (1)
READING	2024	38	1,515	357 Equipment Failure (10),Trees (7),No Specific Cause Found (6),Weather (4),Animal (3),Lightning (3),Bird (2),Unique Incident (2),Trees - Outside ROW (1)
DUTTON	2020	61	4,614	1,766 Planned/Scheduled (17),Animal (13),Equipment Failure (11),Weather (6),Trees (5),Public Damage (4),Car/Pole Accident (2),Bird (1),No Specific Cause Found (1),Lightning (1)
DUTTON	2021	67	2,485	1,426 Equipment Failure (15),Animal (12),Planned/Scheduled (11),Trees (8),Trees - Outside ROW (6),Lightning (3),Weather (3),Public Damage (2),No Specific Cause Found (2),Unique Incident (2),Car/Pole Accident (2),Bird (1)
DUTTON	2022	62	6,290	4,141 Equipment Failure (26),Animal (20),No Specific Cause Found (5),Trees - Outside ROW (4),Weather (2),Unique Incident (2),Trees - Outside ROW (2),Public Damage (1)
DUTTON	2023	68	3,968	2,636 Animal (32),Equipment Failure (14),Car/Pole Accident (7),Trees - Outside ROW (5),No Specific Cause Found (3),Weather (3),Public Damage (2),Unique Incident (2),Trees (2),Lightning (1)
DUTTON	2024	56	8,394	2,974 Animal (23),Equipment Failure (14),No Specific Cause Found (8),Trees - Outside ROW (3),Weather (2),Unique Incident (2),Forced Outage/Emergency (2),Car/Pole Accident (1),Trees (1)
BRAFORD	2020	39	3,516	1,297 Trees (16),Equipment Failure (6),Trees - Outside ROW (4),Car/Pole Accident (3),Planned/Scheduled (3),Forced Outage/Emergency (2),No Specific Cause Found (2),Weather (1),Unique Incident (1),Animal (1)
BRAFORD	2021	41	7,152	849 Trees (11),Equipment Failure (9),Planned/Scheduled (6),Forced Outage/Emergency (5),Weather (4),No Specific Cause Found (2),Unique Incident (2),Trees - Outside ROW (1),Bird (1)
BRAFORD	2022	21	1,322	353 Trees (13),Unique Incident (4),Equipment Failure (2),Bird (1),No Specific Cause Found (1)
BRAFORD	2023	26	2,806	1,197 Trees (13),Weather (4),Equipment Failure (3),Animal (2),No Specific Cause Found (2),Public Tree Trimming (1),Bird (1)
BRAFORD	2024	37	4,036	1,154 Trees (17),Equipment Failure (8),Bird (3),No Specific Cause Found (3),Weather (2),Unique Incident (1),Trees - Outside ROW (1),Lightning (1),Forced Outage/Emergency (1)
INDIAN RIVER	2020	95	32,447	7,006 Equipment Failure (27),Trees (20),Planned/Scheduled (14),Trees - Outside ROW (11),Weather (6),Forced Outage/Emergency (5),Animal (4),No Specific Cause Found (3),Public Damage (2),Car/Pole Accident (1),Lightning (1),Unique Incident (1)
INDIAN RIVER	2021	84	12,347	6,335 Equipment Failure (21),Trees - Outside ROW (17),Trees (15),Planned/Scheduled (8),Forced Outage/Emergency (5),Unique Incident (4),Animal (4),Public Damage (3),Weather (3),No Specific Cause Found (2),Lightning (1),Car/Pole Accident (1)
INDIAN RIVER	2022	79	18,753	6,793 Equipment Failure (19),Trees - Outside ROW (15),Trees (9),Weather (9),Animal (7),Lightning (6),No Specific Cause Found (5),Transmission/Generation (2),Forced Outage/Emergency (2),Car/Pole Accident (2),Public Damage (1),Unique Incident (1),Public Tree Trimming (1)
INDIAN RIVER	2023	31	2,826	1,390 Equipment Failure (8),Trees - Outside ROW (7),Weather (5),No Specific Cause Found (3),Animal (3),Unique Incident (2),Car/Pole Accident (1),Trees (1),Lightning (1)
INDIAN RIVER	2024	72	5,066	3,920 Equipment Failure (15),Trees (12),Animal (12),Trees - Outside ROW (10),Forced Outage/Emergency (7),No Specific Cause Found (7),Unique Incident (3),Public Damage (3),Weather (2),Lightning (1)
SAUGATUCK	2020	109	11,279	4,658 Trees (31),Planned/Scheduled (21),No Specific Cause Found (18),Equipment Failure (16),Trees - Outside ROW (8),Weather (6),Animal (2),Car/Pole Accident (2),Forced Outage/Emergency (2),Unique Incident (1),Lightning (1),Public Damage (1)
SAUGATUCK	2021	117	37,549	10,009 Planned/Scheduled (42),Trees (20),Equipment Failure (15),Weather (9),Trees - Outside ROW (8),No Specific Cause Found (6),Forced Outage/Emergency (3),Car/Pole Accident (3),Transmission/Generation (3),Unique Incident (2),Public Tree Trimming (2),Public Damage (2),Lightning (1),Animal (1)
SAUGATUCK	2022	68	11,902	2,946 Trees (25),Equipment Failure (17),Weather (9),Trees - Outside ROW (5),No Specific Cause Found (5),Unique Incident (4),Animal (2),Bird (2)
SAUGATUCK	2023	76	27,498	7,090 Trees (25),Equipment Failure (13),No Specific Cause Found (10),Trees - Outside ROW (7),Weather (7),Animal (6),Unique Incident (6),Car/Pole Accident (2),Public Damage (2)
SAUGATUCK	2024	79	15,076	4,310 Trees (28),No Specific Cause Found (14),Equipment Failure (12),Trees - Outside ROW (11),Weather (4),Unique Incident (4),Public Damage (3),Forced Outage/Emergency (2),Animal (1)
WHITEHALL	2020	26	588	286 Planned/Scheduled (7),Animal (6),Trees (5),Equipment Failure (4),No Specific Cause Found (3),Forced Outage/Emergency (1)
WHITEHALL	2021	35	3,235	2,272 Trees (8),Trees - Outside ROW (7),Planned/Scheduled (6),Equipment Failure (6),Weather (2),No Specific Cause Found (2),Animal (2),Unique Incident (2)
WHITEHALL	2022	28	824	453 Animal (9),No Specific Cause Found (5),Weather (4),Trees (4),Forced Outage/Emergency (2),Equipment Failure (2),Public Damage (1),Unique Incident (1)
WHITEHALL	2023	33	2,299	762 Animal (11),Trees (6),Equipment Failure (6),No Specific Cause Found (5),Trees - Outside ROW (2),Car/Pole Accident (1),Weather (1),Forced Outage/Emergency (1)
WHITEHALL	2024	58	6,474	3,058 Weather (16),Trees (13),No Specific Cause Found (12),Animal (8),Forced Outage/Emergency (3),Trees - Outside ROW (2),Equipment Failure (2),Public Tree Trimming (1),Unique Incident (1)

WOOD STREET	2020	24	878	238 Trees (6),Equipment Failure (6),Forced Outage/Emergency (4),Public Damage (3),Car/Pole Accident (2),Planned/Scheduled (2),Weather (1)
WOOD STREET	2021	36	1,283	226 Trees (11),Weather (7),Unique Incident (3),Car/Pole Accident (3),Public Damage (3),Equipment Failure (2),Animal (2),Planned/Scheduled (2),Forced Outage/Emergency (2),No Specific Cause Found (1)
WOOD STREET	2022	37	4,140	924 Weather (8),Trees (8),Forced Outage/Emergency (6),Car/Pole Accident (5),Animal (3),Equipment Failure (3),No Specific Cause Found (3),Public Damage (1)
WOOD STREET	2023	12	687	935 Trees (6),Equipment Failure (2),Bird (1),Trees - Outside ROW (1),No Specific Cause Found (1),Animal (1)
WOOD STREET	2024	22	1,227	137 Equipment Failure (9),Trees (7),Car/Pole Accident (2),Trees - Outside ROW (1),Animal (1),No Specific Cause Found (1),Forced Outage/Emergency (1)
BOVNE CITY	2020	46	571	284 Equipment Failure (12),Planned/Scheduled (10),Animal (9),Trees (8),Trees - Outside ROW (5),Weather (1),No Specific Cause Found (1),Unique Incident (1),Forced Outage/Emergency (1)
BOVNE CITY	2021	52	3,817	2,882 Equipment Failure (14),Planned/Scheduled (8),Animal (7),Trees (6),Trees - Outside ROW (5),No Specific Cause Found (4),Public Damage (3),Weather (3),Unique Incident (1),Car/Pole Accident (1),Forced Outage/Emergency (1),Public Tree Trimming (1)
BOVNE CITY	2022	38	7,393	2,102 Animal (13),Trees (7),Equipment Failure (7),Trees - Outside ROW (4),Forced Outage/Emergency (2),No Specific Cause Found (2),Public Damage (2),Car/Pole Accident (1)
BOVNE CITY	2023	20	668	351 No Specific Cause Found (7),Animal (5),Equipment Failure (4),Lightning (2),Trees (1),Public Damage (1)
BOVNE CITY	2024	48	1,152	568 Animal (15),Equipment Failure (11),No Specific Cause Found (10),Forced Outage/Emergency (4),Trees (3),Trees - Outside ROW (3),Public Damage (1),Unique Incident (1)
WHITE CLOUD	2020	24	637	225 Planned/Scheduled (8),Trees (5),Equipment Failure (5),No Specific Cause Found (4),Forced Outage/Emergency (1),Weather (1)
WHITE CLOUD	2021	12	3,695	1,056 Equipment Failure (7),Planned/Scheduled (3),Trees (2)
WHITE CLOUD	2022	21	864	375 Trees (9),Equipment Failure (7),Trees - Outside ROW (2),Lightning (1),Forced Outage/Emergency (1),Unique Incident (1)
WHITE CLOUD	2023	30	13,448	1,977 Trees (20),No Specific Cause Found (3),Equipment Failure (2),Unique Incident (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Weather (1)
WHITE CLOUD	2024	10	287	150 Trees (5),Equipment Failure (2),Public Damage (1),Forced Outage/Emergency (1),Unique Incident (1)
PENNFIELD	2020	51	7,292	1,421 Trees (18),Equipment Failure (13),Planned/Scheduled (5),Unique Incident (3),Trees - Outside ROW (3),Weather (2),Animal (2),Public Tree Trimming (1),Lightning (1),Forced Outage/Emergency (1),Transmission/Generation (1),Public Damage (1)
PENNFIELD	2021	42	985	559 Trees (20),Equipment Failure (9),Weather (5),Trees - Outside ROW (3),No Specific Cause Found (2),Forced Outage/Emergency (2),Public Damage (1)
PENNFIELD	2022	29	1,366	436 Trees - Outside ROW (13),Trees (5),Equipment Failure (4),Weather (3),Animal (2),Bird (1),Public Damage (1)
PENNFIELD	2023	39	2,294	1,327 Trees - Outside ROW (12),Trees (9),Equipment Failure (9),Weather (3),Animal (2),Public Damage (1),Bird (1),No Specific Cause Found (1),Unique Incident (1)
PENNFIELD	2024	45	3,075	1,021 Trees - Outside ROW (12),Trees (9),Equipment Failure (7),No Specific Cause Found (4),Forced Outage/Emergency (4),Weather (3),Animal (2),Lightning (1),Bird (1)
GLEN LAKE	2020	121	20,250	6,537 Trees (40),Equipment Failure (24),Animal (14),Trees - Outside ROW (10),No Specific Cause Found (10),Planned/Scheduled (9),Unique Incident (5),Car/Pole Accident (4),Weather (2),Lightning (1),Forced Outage/Emergency (1),Public Damage (1)
GLEN LAKE	2021	97	19,440	3,212 Trees (35),Equipment Failure (18),Animal (11),Trees - Outside ROW (9),Planned/Scheduled (9),Weather (5),No Specific Cause Found (4),Forced Outage/Emergency (2),Lightning (2),Public Damage (1),Unique Incident (1)
GLEN LAKE	2022	121	21,485	3,551 Trees (51),Trees - Outside ROW (19),Equipment Failure (16),Animal (11),Weather (10),No Specific Cause Found (5),Unique Incident (5),Forced Outage/Emergency (3),Public Tree Trimming (1)
GLEN LAKE	2023	70	10,961	2,398 Trees (24),Equipment Failure (14),No Specific Cause Found (13),Animal (9),Trees - Outside ROW (6),Car/Pole Accident (2),Public Damage (1),Lightning (1)
GLEN LAKE	2024	145	10,021	3,964 Trees (64),Animal (26),Equipment Failure (21),No Specific Cause Found (17),Trees - Outside ROW (5),Unique Incident (4),Forced Outage/Emergency (3),Weather (2),Public Damage (2),Bird (1)
MIDLAND	2020	29	2,035	712 Trees (6),Forced Outage/Emergency (6),Unique Incident (4),Weather (4),No Specific Cause Found (3),Planned/Scheduled (3),Animal (1),Equipment Failure (1),Public Damage (1)
MIDLAND	2021	21	2,206	612 Trees (9),Planned/Scheduled (5),Forced Outage/Emergency (5),Unique Incident (1),Equipment Failure (1)
MIDLAND	2022	21	1,238	405 Trees (9),Forced Outage/Emergency (4),Unique Incident (2),Trees - Outside ROW (2),Equipment Failure (2),Transmission/Generation (1),Animal (1)
MIDLAND	2023	21	1,766	562 Equipment Failure (6),Trees (6),Unique Incident (4),No Specific Cause Found (2),Weather (1),Animal (1),Forced Outage/Emergency (1)
MIDLAND	2024	17	2,305	931 Trees (7),No Specific Cause Found (5),Equipment Failure (2),Weather (2),Public Damage (1)
PRESMONT	2020	85	23,684	4,299 Trees (31),Planned/Scheduled (12),Equipment Failure (11),Trees - Outside ROW (9),Forced Outage/Emergency (7),Unique Incident (4),Weather (4),No Specific Cause Found (3),Animal (2),Car/Pole Accident (1),Public Damage (1)
PRESMONT	2021	64	3,570	2,615 Trees (29),Planned/Scheduled (7),Unique Incident (7),Equipment Failure (6),Forced Outage/Emergency (4),No Specific Cause Found (3),Lightning (3),Trees - Outside ROW (2),Animal (1),Public Tree Trimming (1),Public Damage (1)
PRESMONT	2022	55	6,182	2,005 Trees (23),Equipment Failure (15),No Specific Cause Found (7),Unique Incident (4),Forced Outage/Emergency (2),Bird (2),Animal (2),Weather (1),Trees - Outside ROW (1)
PRESMONT	2023	47	2,029	907 Trees (20),Lightning (10),Equipment Failure (8),No Specific Cause Found (4),Trees - Outside ROW (4),Weather (1),Animal (1),Forced Outage/Emergency (1),Unique Incident (1)
PRESMONT	2024	77	15,989	3,223 Trees (34),Equipment Failure (12),No Specific Cause Found (11),Weather (7),Trees - Outside ROW (2),Lightning (3),Forced Outage/Emergency (2),Unique Incident (1),Car/Pole Accident (1),Animal (1)
ROSE CITY	2020	136	24,984	8,737 Trees (46),Planned/Scheduled (30),Equipment Failure (24),Forced Outage/Emergency (13),No Specific Cause Found (7),Weather (6),Trees - Outside ROW (6),Animal (2),Lightning (2)
ROSE CITY	2021	91	15,721	3,385 Trees (32),Equipment Failure (24),Weather (9),No Specific Cause Found (9),Trees - Outside ROW (5),Planned/Scheduled (3),Forced Outage/Emergency (2),Public Damage (2),Public Tree Trimming (1),Animal (1),Unique Incident (1),Car/Pole Accident (1),Bird (1)
ROSE CITY	2022	125	13,640	6,165 Trees (60),Equipment Failure (22),Weather (11),No Specific Cause Found (9),Trees - Outside ROW (8),Forced Outage/Emergency (4),Unique Incident (3),Lightning (3),Bird (3),Public Tree Trimming (1),Public Damage (1)
ROSE CITY	2023	65	5,621	2,256 Trees (24),No Specific Cause Found (14),Equipment Failure (13),Trees - Outside ROW (3),Bird (2),Animal (2),Public Damage (2),Unique Incident (2),Forced Outage/Emergency (1),Lightning (1),Weather (1)
ROSE CITY	2024	101	17,480	5,588 Trees (45),No Specific Cause Found (17),Weather (11),Equipment Failure (11),Trees - Outside ROW (9),Forced Outage/Emergency (5),Animal (1),Unique Incident (1),Public Damage (1)
TWIN LAKE	2020	41	12,633	3,105 Trees (13),Planned/Scheduled (7),Equipment Failure (7),No Specific Cause Found (5),Forced Outage/Emergency (2),Weather (2),Car/Pole Accident (2),Animal (1),Bird (1),Unique Incident (1)
TWIN LAKE	2021	42	2,003	938 Trees (13),No Specific Cause Found (7),Trees - Outside ROW (5),Weather (5),Equipment Failure (4),Forced Outage/Emergency (3),Unique Incident (2),Planned/Scheduled (2),Car/Pole Accident (1)
TWIN LAKE	2022	37	6,514	1,621 Equipment Failure (8),Trees (7),Trees - Outside ROW (7),Weather (6),No Specific Cause Found (5),Public Damage (2),Forced Outage/Emergency (1),Animal (1)
TWIN LAKE	2023	71	5,370	2,299 Trees (40),Weather (11),Equipment Failure (6),Animal (5),Trees - Outside ROW (3),Car/Pole Accident (2),No Specific Cause Found (2),Public Damage (1),Lightning (1)
TWIN LAKE	2024	80	8,570	2,729 Trees (40),Trees - Outside ROW (10),Weather (7),Equipment Failure (7),No Specific Cause Found (5),Forced Outage/Emergency (4),Animal (2),Lightning (2),Unique Incident (2),Bird (1)
COURT	2020	37	3,043	1,520 Trees (11),Planned/Scheduled (9),Equipment Failure (4),Weather (4),Forced Outage/Emergency (3),No Specific Cause Found (2),Public Tree Trimming (1),Public Damage (1),Animal (1),Car/Pole Accident (1)
COURT	2021	49	4,053	2,315 Forced Outage/Emergency (12),Planned/Scheduled (10),Trees (9),Equipment Failure (6),Weather (6),Unique Incident (3),Car/Pole Accident (2),No Specific Cause Found (1)
COURT	2022	20	2,160	670 Equipment Failure (5),Unique Incident (4),Weather (4),Trees (3),Forced Outage/Emergency (2),No Specific Cause Found (1),Animal (1)
COURT	2023	30	6,414	2,178 Equipment Failure (6),Trees (8),No Specific Cause Found (7),Forced Outage/Emergency (2),Car/Pole Accident (1),Animal (1),Unique Incident (1),Bird (1)
COURT	2024	26	1,887	369 Trees (9),Equipment Failure (6),Forced Outage/Emergency (4),Animal (3),No Specific Cause Found (2),Weather (1),Unique Incident (1)
MT MORRIS	2020	42	11,794	2,437 Equipment Failure (11),Trees (8),No Specific Cause Found (7),Planned/Scheduled (4),Car/Pole Accident (3),Forced Outage/Emergency (3),Weather (2),Animal (1),Public Damage (1),Unique Incident (1),Public Tree Trimming (1)
MT MORRIS	2021	67	4,572	1,195 Equipment Failure (21),Trees (16),Planned/Scheduled (9),Weather (7),No Specific Cause Found (5),Unique Incident (3),Forced Outage/Emergency (3),Animal (1),Car/Pole Accident (1),Public Damage (1)
MT MORRIS	2022	43	11,443	4,077 Equipment Failure (17),Trees (5),Forced Outage/Emergency (5),Unique Incident (4),No Specific Cause Found (4),Weather (3),Animal (3),Trees - Outside ROW (1),Public Damage (1)
MT MORRIS	2023	50	10,649	5,508 Trees (15),Equipment Failure (14),No Specific Cause Found (7),Forced Outage/Emergency (6),Animal (3),Public Damage (2),Weather (2),Unique Incident (1)
MT MORRIS	2024	38	3,041	775 Trees (9),No Specific Cause Found (8),Equipment Failure (5),Weather (4),Forced Outage/Emergency (4),Animal (3),Trees - Outside ROW (2),Unique Incident (2),Car/Pole Accident (1)
MOLINE	2020	51	1,280	473 Trees (10),Equipment Failure (10),Planned/Scheduled (6),No Specific Cause Found (6),Animal (5),Unique Incident (4),Public Damage (3),Trees - Outside ROW (2),Weather (2),Forced Outage/Emergency (2),Bird (1)
MOLINE	2021	59	15,426	1,691 Equipment Failure (14),Trees (10),No Specific Cause Found (7),Weather (6),Animal (5),Planned/Scheduled (4),Public Damage (3),Car/Pole Accident (2),Trees - Outside ROW (2),Lightning (2),Unique Incident (2),Forced Outage/Emergency (1),Public Tree Trimming (1)
MOLINE	2022	42	32,516	3,644 Weather (12),Equipment Failure (8),Trees (6),No Specific Cause Found (5),Animal (3),Bird (3),Car/Pole Accident (2),Unique Incident (2),Forced Outage/Emergency (1)
MOLINE	2023	34	2,966	1,264 Equipment Failure (13),Trees (9),No Specific Cause Found (4),Animal (4),Forced Outage/Emergency (2),Car/Pole Accident (1),Weather (1)
MOLINE	2024	42	3,385	1,626 Equipment Failure (10),Trees (10),No Specific Cause Found (5),Animal (5),Weather (5),Public Damage (3),Unique Incident (2),Lightning (1),Trees - Outside ROW (1)
SPRINGPORT	2020	48	6,837	2,186 Trees (19),Equipment Failure (16),No Specific Cause Found (5),Weather (3),Forced Outage/Emergency (2),Unique Incident (1),Lightning (1),Trees - Outside ROW (1)
SPRINGPORT	2021	66	10,395	2,196 Equipment Failure (16),Trees (15),Unique Incident (7),No Specific Cause Found (3),Forced Outage/Emergency (3),Trees - Outside ROW (3),Forced Outage/Emergency (2),Lightning (1),Unique Incident (1),Animal (1)
SPRINGPORT	2022	65	5,666	1,093 Trees (27),Equipment Failure (17),No Specific Cause Found (10),Weather (5),Animal (3),Forced Outage/Emergency (2),Trees - Outside ROW (1)
SPRINGPORT	2023	67	31,747	3,417 Trees (24),Equipment Failure (19),No Specific Cause Found (9),Weather (5),Unique Incident (3),Forced Outage/Emergency (2),Animal (2),Car/Pole Accident (1),Public Tree Trimming (1),Trees - Outside ROW (1)
SPRINGPORT	2024	51	3,260	885 Trees (20),Weather (7),No Specific Cause Found (7),Equipment Failure (5),Animal (3),Trees - Outside ROW (3),Forced Outage/Emergency (2),Public Damage (1),Bird (1),Lightning (1),Unique Incident (1)
KINGSLEY	2020	69	4,795	1,890 Equipment Failure (20),Trees (19),Trees - Outside ROW (6),Animal (5),Weather (4),No Specific Cause Found (4),Planned/Scheduled (4),Unique Incident (3),Lightning (2),Public Tree Trimming (1),Public Damage (1)
KINGSLEY	2021	75	4,239	1,872 Trees (28),Equipment Failure (15),Weather (5),No Specific Cause Found (5),Forced Outage/Emergency (5),Trees - Outside ROW (4),Lightning (4),Planned/Scheduled (2),Unique Incident (2),Car/Pole Accident (1),Animal (1),Public Tree Trimming (1),Public Damage (1),Bird (1)
KINGSLEY	2022	58	4,640	1,861 Trees (21),Equipment Failure (19),Trees - Outside ROW (10),No Specific Cause Found (4),Animal (2),Weather (1),Unique Incident (1)
KINGSLEY	2023	62	6,049	1,639 Trees (21),Equipment Failure (17),Trees - Outside ROW (6),Animal (5),No Specific Cause Found (5),Weather (3),Car/Pole Accident (2),Unique Incident (2),Public Damage (1)
KINGSLEY	2024	44	3,223	847 Trees (15),Equipment Failure (12),Unique Incident (5),No Specific Cause Found (3),Animal (3),Trees - Outside ROW (3),Weather (2),Car/Pole Accident (1)
ORIOLE	2020	133	16,558	4,313 Animal (35),Trees (32),Equipment Failure (20),Planned/Scheduled (12),Trees - Outside ROW (10),No Specific Cause Found (8),Unique Incident (4),Forced Outage/Emergency (4),Lightning (3),Car/Pole Accident (2),Public Tree Trimming (2),Bird (1)
ORIOLE	2021	136	40,118	10,100 Trees (48),Equipment Failure (25),No Specific Cause Found (23),Trees - Outside ROW (11),Animal (10),Planned/Scheduled (9),Car/Pole Accident (2),Weather (2),Lightning (2),Unique Incident (2),Public Tree Trimming (1),Public Damage (1)
ORIOLE	2022	87	14,160	3,996 Weather (19),No Specific Cause Found (15),Equipment Failure (15),Animal (13),Trees (10),Trees - Outside ROW (7),Unique Incident (4),Forced Outage/Emergency (3),Car/Pole Accident (2),Public Tree Trimming (1)
ORIOLE	2023	79	4,955	1,723 Equipment Failure (22),Trees (16),Animal (16),Trees - Outside ROW (13),Weather (5),No Specific Cause Found (4),Car/Pole Accident (2),Bird (1)
ORIOLE	2024	126	19,357	7,965 Trees (28),Animal (24),Weather (22),Equipment Failure (18),Trees - Outside ROW (15),No Specific Cause Found (13),Bird (3),Unique Incident (1),Forced Outage/Emergency (1),Public Tree Trimming (1)
ALDEN	2020	76	3,107	1,113 Trees (23),Animal (9),Planned/Scheduled (6),Equipment Failure (8),Trees - Outside ROW (6),Unique Incident (4),No Specific Cause Found (4),Forced Outage/Emergency (2),Lightning (1),Weather (1)
ALDEN	2021	73	23,539	2,998 Trees (21),Equipment Failure (17),Animal (12),Trees - Outside ROW (15),Weather (5),Planned/Scheduled (4),Unique Incident (3),Transmission/Generation (1),Bird (1),Car/Pole Accident (1)
ALDEN	2022	76	10,978	2,489 Trees (30),Equipment Failure (17),Trees - Outside ROW (13),Animal (6),No Specific Cause Found (3),Car/Pole Accident (2),Public Damage (2),Weather (1),Lightning (1),Forced Outage/Emergency (1)
ALDEN	2023	52	16,113	6,090 Equipment Failure (16),Trees (14),Animal (6),Trees - Outside ROW (6),No Specific Cause Found (4),Weather (2),Car/Pole Accident (1),Public Damage (1)
ALDEN	2024	53	4,604	2,130 Animal (17),Trees - Outside ROW (10),Equipment Failure (9),No Specific Cause Found (7),Trees (6),Forced Outage/Emergency (2),Unique Incident (1),Weather (1)
LEONARD	2020	57	6,061	3,752 Animal (22),Equipment Failure (9),Planned/Scheduled (6),Car/Pole Accident (5),Weather (5),Forced Outage/Emergency (3),No Specific Cause Found (2),Trees (2),Public Damage (2),Trees - Outside ROW (1)
LEONARD	2021	51	5,991	2,515 Animal (21),Equipment Failure (6),Unique Incident (5),Trees (4),Forced Outage/Emergency (4),Planned/Scheduled (3),Weather (3),Trees - Outside ROW (2),Car/Pole Accident (1),Public Damage (1),No Specific Cause Found (1)
LEONARD	2022	150	29,535	14,321 No Specific Cause Found (95),Animal (18),Equipment Failure (10),Trees (9),Weather (8),Car/Pole Accident (5),Trees - Outside ROW (2),Forced Outage/Emergency (2),Unique Incident (1)

LEONARD	2023	56	5,954	4,138 Animal (18),Equipment Failure (8),Trees (7),Unique Incident (7),Forced Outage/Emergency (5),Public Damage (4),Weather (3),Lightning (2),No Specific Cause Found (2)
LEONARD	2024	81	6,346	2,113 Animal (27),Equipment Failure (14),No Specific Cause Found (11),Trees (10),Weather (7),Unique Incident (5),Forced Outage/Emergency (3),Car/Pole Accident (2),Public Damage (1),Trees - Outside ROW (1)
SALZBURG	2020	21	1,986	1,138 Trees (12),Equipment Failure (3),Weather (3),Public Damage (1),Animal (1),Planned/Scheduled (1)
SALZBURG	2021	60	2,196	776 Planned/Scheduled (34),Equipment Failure (13),Trees (4),Forced Outage/Emergency (3),Weather (2),Unique Incident (1),Animal (1),Lightning (1),Bird (1)
SALZBURG	2022	22	2,490	126 No Specific Cause Found (5),Trees (4),Weather (4),Car/Pole Accident (3),Forced Outage/Emergency (2),Lightning (1),Trees - Outside ROW (1),Bird (1),Animal (1)
SALZBURG	2023	5	200	126 Equipment Failure (3),Animal (2),No Specific Cause Found (2),Transmission/Generation (1),Unique Incident (1),Trees (1)
SALZBURG	2024	10	2,502	1,003 Trees (16),Equipment Failure (15),Planned/Scheduled (14),Forced Outage/Emergency (6),Lightning (3),Weather (2),Trees - Outside ROW (2),No Specific Cause Found (2)
DAVISON	2020	60	7,945	2,337 Planned/Scheduled (34),Trees (19),Equipment Failure (12),Forced Outage/Emergency (8),Unique Incident (7),Weather (4),No Specific Cause Found (3),Public Damage (3),Bird (1),Animal (1),Lightning (1)
DAVISON	2021	93	14,838	1,965 Trees (10),Equipment Failure (7),Forced Outage/Emergency (6),Weather (5),No Specific Cause Found (5),Car/Pole Accident (3),Unique Incident (1),Animal (1),Transmission/Generation (1)
DAVISON	2022	39	5,109	1,361 Weather (25),Equipment Failure (14),No Specific Cause Found (10),Trees (5),Public Damage (2),Forced Outage/Emergency (2),Unique Incident (1),Trees - Outside ROW (1),Animal (1)
DAVISON	2023	61	6,255	1,965 Equipment Failure (20),Forced Outage/Emergency (13),Weather (10),Trees (8),Public Damage (6),No Specific Cause Found (4),Unique Incident (4)
DAVISON	2024	65	5,595	1,192 Animal (29),Planned/Scheduled (9),Trees (5),Equipment Failure (4),No Specific Cause Found (4),Trees - Outside ROW (3),Lightning (2),Public Damage (1),Weather (1),Unique Incident (1)
EAST LAKE	2020	59	2,423	1,363 Animal (10),Trees (6),Equipment Failure (6),Weather (4),Planned/Scheduled (3),No Specific Cause Found (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Unique Incident (1),Public Tree Trimming (1),Trees - Outside ROW (1),Bird (1)
EAST LAKE	2021	38	10,427	3,306 Animal (15),Weather (12),Transmission/Generation (10),Equipment Failure (4),Trees (3),Public Damage (2),No Specific Cause Found (2),Unique Incident (1)
EAST LAKE	2022	49	8,791	1,006 Animal (12),Trees (12),Weather (6),Equipment Failure (4),No Specific Cause Found (4),Trees - Outside ROW (2),Forced Outage/Emergency (2),Lightning (2)
EAST LAKE	2023	44	2,060	2,100 Animal (10),Trees (7),Trees - Outside ROW (5),No Specific Cause Found (4),Equipment Failure (2),Unique Incident (2),Forced Outage/Emergency (2),Lightning (1)
EAST LAKE	2024	33	7,425	1,825 Trees (16),Equipment Failure (6),Animal (5),Trees - Outside ROW (2),Unique Incident (2),No Specific Cause Found (1),Planned/Scheduled (1),Forced Outage/Emergency (1)
BELLAIRE	2020	34	9,868	3,043 Equipment Failure (9),Trees - Outside ROW (4),Trees (4),No Specific Cause Found (4),Forced Outage/Emergency (2),Bird (2),Animal (2),Planned/Scheduled (1)
BELLAIRE	2021	28	5,926	3,334 Trees (20),Weather (16),Equipment Failure (9),Animal (2),No Specific Cause Found (2),Car/Pole Accident (1)
BELLAIRE	2022	50	26,082	91 Animal (4),Trees - Outside ROW (3),Trees (2),Equipment Failure (2),Unique Incident (1)
BELLAIRE	2023	12	444	379 Animal (9),Trees (6),Equipment Failure (4),Trees - Outside ROW (2),No Specific Cause Found (1),Forced Outage/Emergency (1)
BELLAIRE	2024	23	1,882	1,520 Equipment Failure (23),Trees (15),Animal (8),Planned/Scheduled (6),Trees - Outside ROW (5),No Specific Cause Found (4),Public Damage (1),Forced Outage/Emergency (1),Weather (1),Bird (1)
ROTHBURY	2020	65	7,884	1,840 Trees (7),No Specific Cause Found (5),Forced Outage/Emergency (3),Animal (3),Trees - Outside ROW (3),Equipment Failure (2),Weather (1),Lightning (1),Planned/Scheduled (1)
ROTHBURY	2021	26	3,595	900 Trees (12),Equipment Failure (1),Animal (1),Trees - Outside ROW (7),No Specific Cause Found (5),Weather (2),Car/Pole Accident (2),Forced Outage/Emergency (1),Unique Incident (1)
ROTHBURY	2022	52	2,706	1,537 Animal (7),Equipment Failure (5),No Specific Cause Found (5),Trees (4),Trees - Outside ROW (4),Lightning (3),Forced Outage/Emergency (1),Weather (1)
ROTHBURY	2023	30	4,015	1,284 Weather (17),Trees (16),Animal (11),Equipment Failure (8),No Specific Cause Found (6),Trees - Outside ROW (3),Forced Outage/Emergency (1),Unique Incident (1),Lightning (1),Bird (1)
ROTHBURY	2024	65	7,159	5,150 Trees (32),Equipment Failure (20),Trees - Outside ROW (14),Planned/Scheduled (9),Weather (7),No Specific Cause Found (4),Animal (2)
BALDWIN	2020	88	27,686	3,370 Trees (20),Equipment Failure (17),Trees - Outside ROW (8),Weather (6),Planned/Scheduled (6),No Specific Cause Found (4),Car/Pole Accident (3),Public Damage (2),Transmission/Generation (1),Unique Incident (1),Forced Outage/Emergency (1)
BALDWIN	2021	69	20,438	979 Trees (13),Trees - Outside ROW (13),No Specific Cause Found (5),Equipment Failure (5),Forced Outage/Emergency (3),Unique Incident (1)
BALDWIN	2022	40	2,678	571 Trees - Outside ROW (10),Trees (9),No Specific Cause Found (8),Equipment Failure (8),Animal (2),Forced Outage/Emergency (2),Lightning (1),Weather (1)
BALDWIN	2023	41	1,598	1,908 Trees - Outside ROW (19),Trees (16),Equipment Failure (8),No Specific Cause Found (6),Animal (4),Forced Outage/Emergency (2),Car/Pole Accident (1),Public Damage (1)
BALDWIN	2024	59	7,133	1,558 Trees (18),Animal (15),Equipment Failure (12),Weather (11),Planned/Scheduled (7),Unique Incident (3),Forced Outage/Emergency (2),Lightning (1)
RAMONA	2020	69	4,888	951 Planned/Scheduled (23),Trees (18),Animal (11),Forced Outage/Emergency (11),No Specific Cause Found (6),Equipment Failure (6),Unique Incident (5),Public Damage (4),Car/Pole Accident (2),Weather (2),Trees - Outside ROW (1)
RAMONA	2021	85	1,803	2,581 Animal (14),Equipment Failure (12),No Specific Cause Found (11),Public Damage (6),Trees (5),Trees - Outside ROW (2),Weather (2),Car/Pole Accident (2),Forced Outage/Emergency (2),Unique Incident (1)
RAMONA	2022	57	7,736	3,170 Trees (18),Animal (14),Weather (7),Equipment Failure (7),No Specific Cause Found (5),Forced Outage/Emergency (4),Trees - Outside ROW (3),Unique Incident (2),Public Damage (1),Bird (1)
RAMONA	2023	62	9,585	2,239 Animal (15),Equipment Failure (12),Trees (9),Weather (4),Unique Incident (3),Trees - Outside ROW (2),No Specific Cause Found (2),Public Damage (2),Transmission/Generation (1),Forced Outage/Emergency (1)
RAMONA	2024	51	2,888	1,916 Trees (37),Equipment Failure (11),Animal (8),No Specific Cause Found (6),Weather (5),Planned/Scheduled (5),Forced Outage/Emergency (1),Trees - Outside ROW (1)
NORTHPORT	2020	75	6,811	2,711 Trees (22),Planned/Scheduled (9),Trees - Outside ROW (9),Animal (8),Equipment Failure (6),No Specific Cause Found (4),Public Damage (2),Weather (2),Lightning (1),Car/Pole Accident (1),Unique Incident (1),Public Tree Trimming (1)
NORTHPORT	2021	66	7,055	1,955 Trees (36),Equipment Failure (16),Weather (10),Animal (9),Trees - Outside ROW (8),Unique Incident (3),No Specific Cause Found (3),Public Damage (2),Bird (1)
NORTHPORT	2022	88	14,141	1,228 Trees (10),Equipment Failure (10),Trees - Outside ROW (6),Animal (6),No Specific Cause Found (4),Lightning (3),Car/Pole Accident (1)
NORTHPORT	2023	40	3,428	1,553 Trees (26),Animal (14),Equipment Failure (7),Trees - Outside ROW (6),No Specific Cause Found (5),Forced Outage/Emergency (2),Unique Incident (2),Weather (2)
NORTHPORT	2024	64	4,745	873 Equipment Failure (17),Trees (10),Planned/Scheduled (7),Lightning (5),Weather (5),No Specific Cause Found (5),Animal (3),Bird (3),Unique Incident (3),Trees - Outside ROW (3),Forced Outage/Emergency (1),Car/Pole Accident (1)
COLON	2020	63	2,127	5,756 Trees (55),Weather (19),No Specific Cause Found (10),Equipment Failure (8),Unique Incident (8),Planned/Scheduled (4),Lightning (4),Public Tree Trimming (2),Trees - Outside ROW (1),Animal (1),Car/Pole Accident (1),Forced Outage/Emergency (1),Bird (1)
COLON	2021	112	28,603	1,262 Trees (20),Weather (10),No Specific Cause Found (10),Equipment Failure (8),Trees - Outside ROW (6),Unique Incident (3),Animal (2),Lightning (2),Car/Pole Accident (1),Forced Outage/Emergency (1)
COLON	2022	63	7,076	2,556 Equipment Failure (12),Weather (8),Trees (6),No Specific Cause Found (6),Trees - Outside ROW (4),Unique Incident (3),Public Damage (2),Car/Pole Accident (2),Lightning (2),Animal (1)
COLON	2023	46	4,534	3,718 Trees (27),Weather (18),No Specific Cause Found (14),Equipment Failure (12),Animal (3),Unique Incident (3),Forced Outage/Emergency (2),Lightning (2),Trees - Outside ROW (2),Car/Pole Accident (1)
COLON	2024	84	8,057	2,105 Planned/Scheduled (27),Trees (19),Equipment Failure (15),Lightning (10),No Specific Cause Found (9),Trees - Outside ROW (3),Weather (3),Public Damage (2),Public Tree Trimming (1)
CASCO	2020	69	4,140	3,748 Trees (36),Equipment Failure (16),Planned/Scheduled (12),Trees - Outside ROW (10),No Specific Cause Found (6),Animal (6),Weather (6),Forced Outage/Emergency (2),Unique Incident (2),Car/Pole Accident (1),Lightning (1)
CASCO	2021	99	13,431	2,234 Trees (23),Equipment Failure (14),No Specific Cause Found (11),Unique Incident (5),Weather (5),Trees - Outside ROW (5),Animal (1),Car/Pole Accident (1),Forced Outage/Emergency (1),Public Damage (1)
CASCO	2022	67	10,145	2,377 Trees (13),Trees - Outside ROW (11),Equipment Failure (10),Weather (5),Unique Incident (4),No Specific Cause Found (4),Car/Pole Accident (2),Lightning (2),Animal (1),Forced Outage/Emergency (1)
CASCO	2023	53	16,490	2,707 Trees (30),No Specific Cause Found (15),Equipment Failure (10),Trees - Outside ROW (6),Weather (4),Public Damage (4),Forced Outage/Emergency (4),Animal (4),Unique Incident (2),Lightning (1)
CASCO	2024	80	10,209	4,807 Trees (32),Equipment Failure (22),Weather (16),No Specific Cause Found (8),Trees - Outside ROW (7),Animal (7),Planned/Scheduled (7),Lightning (5),Forced Outage/Emergency (1),Unique Incident (1),Bird (1)
OHMAN ROAD	2020	107	21,863	4,999 Trees (76),Equipment Failure (27),Weather (20),Planned/Scheduled (10),Trees - Outside ROW (6),No Specific Cause Found (6),Unique Incident (5),Animal (5),Lightning (2),Forced Outage/Emergency (2),Car/Pole Accident (1)
OHMAN ROAD	2021	160	27,604	3,452 Trees (22),Equipment Failure (12),Animal (9),No Specific Cause Found (8),Trees - Outside ROW (7),Weather (4),Bird (1)
OHMAN ROAD	2022	63	10,564	5,212 Trees (36),Weather (23),Equipment Failure (16),No Specific Cause Found (14),Animal (13),Trees - Outside ROW (3),Bird (3),Unique Incident (2),Lightning (2),Forced Outage/Emergency (1),Car/Pole Accident (1),Public Damage (1),Transmission/Generation (1)
OHMAN ROAD	2023	116	16,480	5,296 Trees (27),Equipment Failure (17),No Specific Cause Found (14),Transmission/Generation (9),Animal (8),Trees - Outside ROW (6),Weather (5),Unique Incident (5),Forced Outage/Emergency (4),Lightning (2),Bird (2),Public Damage (1)
OHMAN ROAD	2024	100	11,337	5,846 Planned/Scheduled (31),Trees (30),Animal (22),Equipment Failure (19),No Specific Cause Found (14),Trees - Outside ROW (9),Forced Outage/Emergency (5),Weather (3),Lightning (3),Car/Pole Accident (2),Unique Incident (2),Public Damage (1),Bird (1)
PENINSULA	2020	142	11,754	2,742 Trees (38),Equipment Failure (16),Animal (10),Planned/Scheduled (10),Trees - Outside ROW (7),Public Damage (6),No Specific Cause Found (5),Weather (4),Car/Pole Accident (3),Forced Outage/Emergency (3),Unique Incident (1),Public Tree Trimming (1)
PENINSULA	2021	104	11,107	1,280 Trees (36),Equipment Failure (19),Animal (14),Trees - Outside ROW (9),Unique Incident (7),No Specific Cause Found (6),Lightning (5),Weather (3),Bird (1),Public Tree Trimming (1),Forced Outage/Emergency (1)
PENINSULA	2022	101	11,671	1,798 Equipment Failure (22),No Specific Cause Found (13),Trees (13),Animal (10),Lightning (7),Trees - Outside ROW (2),Weather (1),Unique Incident (1),Public Damage (1),Bird (1)
PENINSULA	2023	71	6,597	2,347 Animal (21),No Specific Cause Found (13),Trees (13),Equipment Failure (12),Trees - Outside ROW (12),Unique Incident (12),Forced Outage/Emergency (2),Public Tree Trimming (1),Public Damage (1)
PENINSULA	2024	69	9,496	2,605 Equipment Failure (14),Trees (11),Unique Incident (8),Lightning (6),Trees - Outside ROW (4),Weather (3),Animal (2),Public Damage (2),Planned/Scheduled (1),Car/Pole Accident (1),Bird (1),No Specific Cause Found (1)
MORRICE	2020	53	4,863	5,074 Equipment Failure (20),Trees (12),Planned/Scheduled (11),Unique Incident (10),No Specific Cause Found (2),Transmission/Generation (2),Weather (2),Forced Outage/Emergency (1),Trees - Outside ROW (1),Lightning (1)
MORRICE	2021	62	14,128	2,968 Equipment Failure (15),Unique Incident (7),Trees - Outside ROW (5),Animal (3),No Specific Cause Found (2),Trees (2),Weather (2),Public Damage (1)
MORRICE	2022	37	4,819	903 Equipment Failure (10),Trees (10),Weather (10),Unique Incident (8),Animal (7),No Specific Cause Found (2),Trees - Outside ROW (1)
MORRICE	2023	48	2,934	1,687 Trees (13),Equipment Failure (11),No Specific Cause Found (5),Unique Incident (4),Animal (4),Weather (2),Lightning (1),Trees - Outside ROW (1)
MORRICE	2024	41	4,388	3,947 Equipment Failure (20),Trees (19),Car/Pole Accident (5),Trees - Outside ROW (2),Transmission/Generation (2),Weather (2),Planned/Scheduled (2),Public Damage (1),Forced Outage/Emergency (1),Animal (1),Lightning (1),No Specific Cause Found (1)
POTTERVILLE	2020	57	16,424	1,001 Equipment Failure (18),Trees (18),Animal (6),Planned/Scheduled (6),Lightning (6),No Specific Cause Found (5),Weather (3),Public Damage (1),Public Tree Trimming (1),Trees - Outside ROW (1)
POTTERVILLE	2021	65	3,038	553 Trees (24),Equipment Failure (13),Animal (5),No Specific Cause Found (4),Unique Incident (1),Public Damage (1)
POTTERVILLE	2022	48	1,965	6,536 Trees (66),Equipment Failure (43),Weather (40),No Specific Cause Found (34),Animal (14),Car/Pole Accident (2),Trees - Outside ROW (2),Unique Incident (2),Public Damage (2)
POTTERVILLE	2023	205	24,235	5,878 No Specific Cause Found (17),Trees (17),Equipment Failure (13),Weather (4),Unique Incident (2),Trees - Outside ROW (2),Lightning (1),Animal (1),Bird (1),Public Tree Trimming (1)
POTTERVILLE	2024	59	10,301	559 Trees (23),Equipment Failure (14),No Specific Cause Found (7),Forced Outage/Emergency (6),Weather (5),Planned/Scheduled (4),Unique Incident (2),Car/Pole Accident (2),Animal (2)
JANES	2020	62	2,216	803 Trees (34),Forced Outage/Emergency (10),Equipment Failure (9),Weather (7),Planned/Scheduled (7),Unique Incident (4),No Specific Cause Found (3),Car/Pole Accident (3),Trees - Outside ROW (2),Animal (1),Public Damage (1)
JANES	2021	81	2,875	1,455 Trees (14),Equipment Failure (11),Unique Incident (8),Forced Outage/Emergency (7),Weather (7),No Specific Cause Found (6),Trees - Outside ROW (3),Animal (1),Car/Pole Accident (1)
JANES	2022	58	3,140	1,530 Trees (21),Equipment Failure (4),Unique Incident (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Public Damage (1),Lightning (1),Public Damage (1)
JANES	2023	37	5,496	265 Trees (17),Equipment Failure (9),Unique Incident (3),No Specific Cause Found (4),Forced Outage/Emergency (4),Weather (3),Trees - Outside ROW (1),Animal (1)
JANES	2024	44	922	2,407 Trees (29),Planned/Scheduled (29),Equipment Failure (9),Trees - Outside ROW (6),No Specific Cause Found (5),Weather (4),Animal (3),Car/Pole Accident (3),Public Damage (2),Unique Incident (1),Bird (1)
VIRGINIA PARK	2020	92	8,722	6,869 Trees (30),Trees - Outside ROW (10),Equipment Failure (7),Planned/Scheduled (7),Animal (6),No Specific Cause Found (6),Weather (4),Car/Pole Accident (2),Transmission/Generation (2),Forced Outage/Emergency (1)
VIRGINIA PARK	2021	75	19,780	4,777 Trees (17),Trees - Outside ROW (11),Equipment Failure (10),Weather (8),No Specific Cause Found (8),Animal (5),Public Damage (2),Bird (1),Lightning (1)
VIRGINIA PARK	2022	63	9,548	3,779 Trees (23),Trees - Outside ROW (10),Equipment Failure (8),No Specific Cause Found (7),Weather (5),Animal (5),Unique Incident (3),Bird (2),Lightning (1),Forced Outage/Emergency (1)
VIRGINIA PARK	2023	65	13,552	4,339 Trees - Outside ROW (15),Trees (9),Equipment Failure (6),No Specific Cause Found (5),Animal (2),Forced Outage/Emergency (2),Public Damage (2),Weather (2),Bird (1),Lightning (1),Unique Incident (1)
VIRGINIA PARK	2024	46	9,883	4,156 Trees (30),Equipment Failure (14),Planned/Scheduled (13),Weather (6),Forced Outage/Emergency (6),No Specific Cause Found (3),Unique Incident (3),Animal (3),Car/Pole Accident (2),Trees - Outside ROW (2)
GENESEVILLE	2020	82	15,683	

GENESEEVILLE	2021	121	16,141	6,948	Planned/Scheduled (31),Trees (19),Equipment Failure (19),Forced Outage/Emergency (15),Weather (12),No Specific Cause Found (7),Unique Incident (6),Car/Pole Accident (3),Animal (3),Trees - Outside ROW (3),Public Damage (2),Public Tree Trimming (1)
GENESEEVILLE	2022	57	7,313	2,854	Equipment Failure (18),Trees (14),Weather (9),Forced Outage/Emergency (6),No Specific Cause Found (5),Unique Incident (3),Animal (2)
GENESEEVILLE	2023	44	20,584	4,675	Equipment Failure (13),Weather (11),Trees (10),No Specific Cause Found (5),Animal (3),Forced Outage/Emergency (1),Public Damage (1)
GENESEEVILLE	2024	73	5,544	2,134	No Specific Cause Found (20),Trees (15),Equipment Failure (13),Weather (7),Forced Outage/Emergency (5),Unique Incident (5),Animal (4),Lightning (2),Trees - Outside ROW (1),Bird (1)
SHELBY	2020	38	6,693	1,456	Planned/Scheduled (12),Trees (7),No Specific Cause Found (5),Trees - Outside ROW (4),Equipment Failure (3),Weather (3),Animal (2),Forced Outage/Emergency (2)
SHELBY	2021	34	1,974	546	Trees (9),Equipment Failure (7),Trees - Outside ROW (5),No Specific Cause Found (4),Weather (3),Bird (2),Planned/Scheduled (2),Unique Incident (1),Animal (1)
SHELBY	2022	26	1,948	803	Trees (10),Equipment Failure (8),No Specific Cause Found (5),Trees - Outside ROW (2),Unique Incident (1),Animal (1),Weather (1)
SHELBY	2023	12	895	225	Trees - Outside ROW (3),Equipment Failure (2),Weather (1),No Specific Cause Found (1),Animal (1),Trees (1),Lightning (1),Unique Incident (1),Forced Outage/Emergency (1)
SHELBY	2024	52	1,243	332	Weather (16),Trees (8),No Specific Cause Found (8),Animal (6),Forced Outage/Emergency (3),Equipment Failure (3),Lightning (2),Public Damage (2),Car/Pole Accident (2),Trees - Outside ROW (2)
ENGLISHVILLE	2020	58	6,728	1,549	Equipment Failure (23),Weather (9),Trees (9),No Specific Cause Found (5),Planned/Scheduled (4),Animal (3),Public Damage (3),Public Tree Trimming (1),Forced Outage/Emergency (1)
ENGLISHVILLE	2021	54	22,038	4,831	Trees (17),Equipment Failure (15),No Specific Cause Found (7),Car/Pole Accident (4),Weather (4),Animal (3),Planned/Scheduled (2),Bird (1),Trees - Outside ROW (1)
ENGLISHVILLE	2022	64	9,627	2,910	Trees (21),Public Damage (7),Trees - Outside ROW (7),Equipment Failure (6),No Specific Cause Found (6),Animal (6),Weather (5),Unique Incident (4),Public Tree Trimming (1),Car/Pole Accident (1)
ENGLISHVILLE	2023	60	10,537	4,012	Trees (22),No Specific Cause Found (12),Equipment Failure (8),Weather (7),Unique Incident (4),Animal (3),Bird (2),Public Damage (1),Forced Outage/Emergency (1)
ENGLISHVILLE	2024	62	4,838	1,720	Trees (25),Equipment Failure (15),No Specific Cause Found (6),Weather (6),Animal (4),Unique Incident (3),Trees - Outside ROW (1),Lightning (1),Forced Outage/Emergency (1)
BASS LAKE	2020	37	8,190	1,388	Trees (13),Equipment Failure (6),Lightning (5),Planned/Scheduled (3),Trees - Outside ROW (3),Weather (3),Animal (2),Forced Outage/Emergency (1),No Specific Cause Found (1)
BASS LAKE	2021	74	2,125	449	Trees (21),Weather (18),Planned/Scheduled (17),Equipment Failure (10),Trees - Outside ROW (3),Lightning (2),Animal (1),Car/Pole Accident (1),No Specific Cause Found (1)
BASS LAKE	2022	25	6,418	1,628	Equipment Failure (7),Trees (6),Trees - Outside ROW (3),No Specific Cause Found (2),Transmission/Generation (2),Weather (2),Lightning (1),Unique Incident (1),Animal (1)
BASS LAKE	2023	33	929	371	No Specific Cause Found (15),Lightning (5),Animal (4),Trees (4),Equipment Failure (3),Public Damage (1),Trees - Outside ROW (1)
BASS LAKE	2024	25	2,436	643	Trees (7),Equipment Failure (7),Weather (3),Animal (2),Forced Outage/Emergency (2),No Specific Cause Found (2),Car/Pole Accident (1),Trees - Outside ROW (1)
LEITH STREET	2020	106	3,968	1,024	Trees (31),Planned/Scheduled (22),Weather (13),Equipment Failure (12),Forced Outage/Emergency (11),No Specific Cause Found (7),Unique Incident (2),Car/Pole Accident (2),Bird (2),Trees - Outside ROW (2),Public Damage (2)
LEITH STREET	2021	119	25,211	6,399	Trees (35),Planned/Scheduled (24),Equipment Failure (17),Weather (11),Forced Outage/Emergency (8),Unique Incident (6),Trees - Outside ROW (6),Public Damage (4),No Specific Cause Found (4),Car/Pole Accident (3),Animal (2)
LEITH STREET	2022	92	14,620	3,522	Trees (30),Forced Outage/Emergency (21),Equipment Failure (16),Unique Incident (7),No Specific Cause Found (5),Bird (3),Weather (3),Car/Pole Accident (3),Animal (2),Public Damage (1),Public Tree Trimming (1)
LEITH STREET	2023	89	8,958	2,916	Trees (37),Weather (16),Equipment Failure (11),No Specific Cause Found (11),Animal (4),Unique Incident (3),Car/Pole Accident (2),Forced Outage/Emergency (2),Bird (1),Public Damage (1),Trees - Outside ROW (1)
LEITH STREET	2024	93	23,070	6,538	Trees (40),Weather (13),Forced Outage/Emergency (13),No Specific Cause Found (9),Equipment Failure (9),Unique Incident (4),Animal (3),Trees - Outside ROW (1),Public Damage (1)
CHICAGO	2020	49	8,191	2,913	Animal (20),Equipment Failure (11),Planned/Scheduled (7),Public Damage (4),Car/Pole Accident (3),No Specific Cause Found (2),Unique Incident (1),Forced Outage/Emergency (1)
CHICAGO	2021	34	3,819	785	Equipment Failure (17),Planned/Scheduled (6),Animal (3),Trees (2),Weather (1),No Specific Cause Found (1),Public Damage (1),Unique Incident (1),Forced Outage/Emergency (1),Car/Pole Accident (1)
CHICAGO	2022	36	8,888	3,757	Animal (13),Equipment Failure (13),Trees (3),Trees - Outside ROW (1),Car/Pole Accident (1),Forced Outage/Emergency (1),Weather (1),Bird (1),No Specific Cause Found (1),Public Damage (1)
CHICAGO	2023	36	2,540	972	Animal (16),Equipment Failure (13),Trees - Outside ROW (2),Trees (2),Forced Outage/Emergency (1),Weather (1),No Specific Cause Found (1)
CHICAGO	2024	85	9,739	3,595	Equipment Failure (22),Trees (20),No Specific Cause Found (14),Animal (13),Public Damage (6),Car/Pole Accident (3),Transmission/Generation (3),Unique Incident (1),Weather (1),Lightning (1),Trees - Outside ROW (1)
THORNAPPLE	2020	49	3,893	1,507	Trees (17),Trees - Outside ROW (8),Planned/Scheduled (6),Equipment Failure (5),No Specific Cause Found (4),Weather (3),Public Tree Trimming (1),Unique Incident (1),Forced Outage/Emergency (1),Animal (1),Public Damage (1),Bird (1)
THORNAPPLE	2021	64	13,072	3,276	Trees (25),Animal (9),Equipment Failure (8),Trees - Outside ROW (7),Car/Pole Accident (4),Weather (4),Planned/Scheduled (4),No Specific Cause Found (3)
THORNAPPLE	2022	51	5,611	1,461	Trees (19),Equipment Failure (9),Trees - Outside ROW (7),Animal (4),Public Damage (3),No Specific Cause Found (3),Unique Incident (3),Weather (2),Forced Outage/Emergency (1)
THORNAPPLE	2023	59	3,439	1,519	Equipment Failure (17),Trees (12),Trees - Outside ROW (12),Weather (5),Animal (4),No Specific Cause Found (3),Transmission/Generation (3),Lightning (1),Forced Outage/Emergency (1),Public Damage (1)
THORNAPPLE	2024	45	1,805	709	Trees (15),Equipment Failure (10),Trees - Outside ROW (6),Animal (3),No Specific Cause Found (6),Forced Outage/Emergency (3),Lightning (2),Weather (2),Public Damage (1)
TEMPERANCE	2020	117	8,228	2,973	Animal (35),Trees (22),Planned/Scheduled (18),Equipment Failure (16),No Specific Cause Found (9),Car/Pole Accident (7),Weather (3),Lightning (2),Unique Incident (2),Public Tree Trimming (2),Bird (1)
TEMPERANCE	2021	118	4,532	1,210	Animal (28),Equipment Failure (25),Trees (16),Planned/Scheduled (14),No Specific Cause Found (10),Lightning (7),Weather (7),Unique Incident (5),Trees - Outside ROW (4),Public Damage (1),Bird (1)
TEMPERANCE	2022	68	3,552	1,788	Animal (18),Equipment Failure (12),No Specific Cause Found (12),Trees (7),Weather (6),Lightning (3),Unique Incident (3),Public Tree Trimming (2),Trees - Outside ROW (2),Bird (1),Car/Pole Accident (1),Public Damage (1)
TEMPERANCE	2023	68	2,524	683	Animal (32),Equipment Failure (12),No Specific Cause Found (8),Trees (5),Trees - Outside ROW (3),Weather (3),Lightning (2),Bird (2),Public Damage (1)
TEMPERANCE	2024	83	5,057	2,060	Animal (35),No Specific Cause Found (10),Equipment Failure (7),Trees (7),Car/Pole Accident (6),Forced Outage/Emergency (5),Public Damage (5),Weather (3),Unique Incident (2),Trees - Outside ROW (1),Lightning (1),Bird (1)
ATHENS	2020	54	3,861	964	Trees (24),Equipment Failure (13),Planned/Scheduled (6),Weather (4),Unique Incident (3),No Specific Cause Found (2),Trees - Outside ROW (2)
ATHENS	2021	55	7,039	3,351	Trees (16),Planned/Scheduled (12),Equipment Failure (7),Trees - Outside ROW (4),Transmission/Generation (4),No Specific Cause Found (3),Lightning (2),Car/Pole Accident (2),Weather (2),Bird (1),Animal (1),Unique Incident (1)
ATHENS	2022	45	4,068	1,679	Trees (13),Equipment Failure (6),Trees - Outside ROW (5),Weather (5),Unique Incident (4),No Specific Cause Found (4),Bird (2),Animal (2),Car/Pole Accident (2),Lightning (2)
ATHENS	2023	30	1,926	655	Equipment Failure (9),Trees (5),No Specific Cause Found (4),Weather (3),Trees - Outside ROW (3),Bird (2),Animal (1),Unique Incident (1),Public Damage (1),Public Tree Trimming (1)
ATHENS	2024	43	4,530	1,751	Weather (11),No Specific Cause Found (9),Trees (6),Animal (5),Equipment Failure (4),Trees - Outside ROW (3),Car/Pole Accident (2),Forced Outage/Emergency (2),Lightning (1)
HEMLOCK	2020	48	15,225	2,971	Trees (13),Equipment Failure (7),Planned/Scheduled (7),Animal (5),No Specific Cause Found (4),Unique Incident (3),Weather (3),Trees - Outside ROW (2),Forced Outage/Emergency (2),Public Damage (1),Bird (1)
HEMLOCK	2021	60	6,560	2,202	Trees (16),Planned/Scheduled (13),Unique Incident (8),No Specific Cause Found (6),Equipment Failure (5),Trees - Outside ROW (4),Animal (3),Bird (2),Public Damage (1),Weather (1),Forced Outage/Emergency (1)
HEMLOCK	2022	44	4,601	1,665	Equipment Failure (12),Trees (9),Forced Outage/Emergency (5),Unique Incident (4),No Specific Cause Found (4),Weather (2),Public Damage (2),Animal (2),Trees - Outside ROW (2),Car/Pole Accident (1),Bird (1)
HEMLOCK	2023	33	7,100	3,413	Equipment Failure (9),Trees (7),Animal (6),Weather (4),Unique Incident (3),Forced Outage/Emergency (1),Lightning (1),No Specific Cause Found (1),Bird (1)
HEMLOCK	2024	49	1,188	298	Trees (18),No Specific Cause Found (13),Weather (7),Equipment Failure (6),Unique Incident (2),Animal (2),Forced Outage/Emergency (1),Lightning (1)
TUSTIN	2020	98	11,686	3,965	Equipment Failure (26),Trees - Outside ROW (16),Animal (15),No Specific Cause Found (13),Trees (10),Weather (7),Planned/Scheduled (6),Forced Outage/Emergency (1),Unique Incident (1),Car/Pole Accident (1),Public Damage (1),Bird (1)
TUSTIN	2021	81	5,476	1,520	Equipment Failure (17),Trees - Outside ROW (14),Trees (13),Planned/Scheduled (8),Weather (7),No Specific Cause Found (6),Animal (4),Lightning (4),Unique Incident (3),Public Damage (2),Car/Pole Accident (2),Bird (1)
TUSTIN	2022	100	12,162	5,547	Trees - Outside ROW (30),Equipment Failure (19),Trees (12),Weather (12),No Specific Cause Found (9),Animal (4),Unique Incident (4),Forced Outage/Emergency (3),Car/Pole Accident (3),Lightning (3),Bird (1)
TUSTIN	2023	50	10,597	3,600	Equipment Failure (14),Trees - Outside ROW (10),Animal (6),Trees (4),No Specific Cause Found (4),Lightning (3),Unique Incident (3),Bird (3),Public Damage (1),Weather (1),Forced Outage/Emergency (1)
TUSTIN	2024	112	28,978	4,049	Trees - Outside ROW (38),No Specific Cause Found (21),Equipment Failure (12),Trees (12),Unique Incident (9),Animal (7),Weather (6),Bird (3),Transmission/Generation (1),Lightning (1),Public Tree Trimming (1),Forced Outage/Emergency (1)
TRUFANT	2020	98	12,804	3,725	Trees (34),No Specific Cause Found (21),Equipment Failure (15),Planned/Scheduled (7),Animal (4),Bird (4),Trees - Outside ROW (4),Public Damage (3),Unique Incident (3),Forced Outage/Emergency (1),Car/Pole Accident (1),Weather (1)
TRUFANT	2021	68	13,125	5,052	Trees (22),No Specific Cause Found (16),Equipment Failure (13),Weather (4),Planned/Scheduled (3),Unique Incident (2),Bird (2),Public Damage (2),Car/Pole Accident (1),Trees - Outside ROW (1),Animal (1),Forced Outage/Emergency (1)
TRUFANT	2022	70	17,204	5,095	Trees (25),No Specific Cause Found (19),Equipment Failure (14),Trees - Outside ROW (4),Unique Incident (3),Weather (2),Public Tree Trimming (2),Bird (1)
TRUFANT	2023	162	35,571	10,003	Trees (64),No Specific Cause Found (37),Weather (20),Equipment Failure (17),Trees - Outside ROW (10),Unique Incident (4),Public Damage (4),Lightning (2),Animal (1),Car/Pole Accident (1),Bird (1),Forced Outage/Emergency (1)
TRUFANT	2024	120	16,631	5,055	Trees (41),No Specific Cause Found (33),Equipment Failure (19),Trees - Outside ROW (9),Animal (4),Weather (4),Forced Outage/Emergency (4),Bird (3),Unique Incident (2),Car/Pole Accident (1)
OKEMOS	2020	36	7,821	1,662	Planned/Scheduled (21),Trees (7),Animal (3),Trees - Outside ROW (2),Equipment Failure (2),Unique Incident (1)
OKEMOS	2021	29	4,509	832	Planned/Scheduled (10),Trees (6),Equipment Failure (3),No Specific Cause Found (3),Unique Incident (2),Trees - Outside ROW (2),Forced Outage/Emergency (1)
OKEMOS	2022	19	252	133	Equipment Failure (9),Trees (5),No Specific Cause Found (2),Public Damage (2),Unique Incident (1)
OKEMOS	2023	17	751	117	Weather (6),Trees (5),No Specific Cause Found (3),Equipment Failure (1),Animal (1),Trees - Outside ROW (1)
OKEMOS	2024	22	4,423	2,404	Trees (11),Equipment Failure (4),Animal (2),Forced Outage/Emergency (2),Unique Incident (1),Trees - Outside ROW (1),Weather (1)
BREEDSVILLE	2020	140	14,737	3,414	Trees (58),Equipment Failure (25),Planned/Scheduled (16),Weather (9),No Specific Cause Found (8),Trees - Outside ROW (6),Animal (6),Unique Incident (3),Car/Pole Accident (2),Lightning (2),Public Damage (2),Bird (1),Public Tree Trimming (1),Forced Outage/Emergency (1)
BREEDSVILLE	2021	152	21,697	5,598	Trees (58),Equipment Failure (27),Planned/Scheduled (18),No Specific Cause Found (16),Weather (15),Trees - Outside ROW (4),Unique Incident (4),Forced Outage/Emergency (3),Bird (2),Public Damage (2),Animal (2),Lightning (1)
BREEDSVILLE	2022	132	21,941	5,023	Trees (51),Equipment Failure (31),No Specific Cause Found (19),Trees - Outside ROW (11),Weather (9),Animal (7),Unique Incident (3),Public Damage (1)
BREEDSVILLE	2023	103	9,853	3,840	Trees (31),Equipment Failure (21),No Specific Cause Found (21),Animal (9),Weather (5),Lightning (5),Trees - Outside ROW (4),Unique Incident (4),Forced Outage/Emergency (1),Bird (1),Public Damage (1)
BREEDSVILLE	2024	137	15,567	6,037	Trees (37),Equipment Failure (20),Animal (18),Trees - Outside ROW (18),No Specific Cause Found (15),Weather (11),Forced Outage/Emergency (7),Unique Incident (4),Lightning (4),Bird (3)
GETTY	2020	54	17,331	11,925	Planned/Scheduled (19),Equipment Failure (11),Animal (7),No Specific Cause Found (7),Trees (3),Public Damage (3),Unique Incident (2),Trees - Outside ROW (2)
GETTY	2021	49	6,013	4,776	Animal (14),Trees (10),Planned/Scheduled (6),No Specific Cause Found (4),Unique Incident (3),Trees - Outside ROW (3),Car/Pole Accident (3),Public Damage (2),Equipment Failure (2),Bird (1),Weather (1)
GETTY	2022	37	2,039	905	Animal (17),Equipment Failure (8),Trees (5),Trees - Outside ROW (3),Weather (1),Bird (1),Unique Incident (1),No Specific Cause Found (1)
GETTY	2023	59	4,461	3,509	Trees (18),Equipment Failure (9),Animal (9),Weather (6),No Specific Cause Found (5),Car/Pole Accident (5),Unique Incident (2),Trees - Outside ROW (2),Public Damage (2),Forced Outage/Emergency (1)
GETTY	2024	46	6,898	1,406	Trees (13),Equipment Failure (10),Public Damage (8),Animal (6),Forced Outage/Emergency (2),Weather (2),Car/Pole Accident (2),Unique Incident (2),No Specific Cause Found (1)
PALMER	2020	21	4,538	2,502	Trees (6),Equipment Failure (5),Car/Pole Accident (2),Planned/Scheduled (2),Unique Incident (2),No Specific Cause Found (1),Forced Outage/Emergency (1),Public Tree Trimming (1),Trees - Outside ROW (1)
PALMER	2021	39	6,728	1,989	Planned/Scheduled (9),Trees (7),Equipment Failure (6),Car/Pole Accident (5),Weather (4),Animal (3),No Specific Cause Found (2),Trees - Outside ROW (2),Public Damage (1)
PALMER	2022	34	7,289	1,351	Trees (10),Equipment Failure (7),Animal (6),Unique Incident (5),Weather (2),Public Damage (1),No Specific Cause Found (1),Car/Pole Accident (1),Forced Outage/Emergency (1)
PALMER	2023	46	4,670	1,218	Trees (16),Weather (7),Equipment Failure (5),No Specific Cause Found (5),Animal (4),Car/Pole Accident (3),Lightning (2),Unique Incident (2),Public Tree Trimming (1),Public Damage (1)
PALMER	2024	60	4,314	1,523	Trees (20),Unique Incident (8),Animal (6),Weather (6),Equipment Failure (5),Trees - Outside ROW (5),Forced Outage/Emergency (4),Transmission/Generation (3),Car/Pole Accident (2),No Specific Cause Found (1)
NAPOLEON	2020	94	4,628	1,205	Trees (29),Equipment Failure (25),No Specific Cause Found (10),Planned/Scheduled (8),Weather (7),Public Damage (3),Unique Incident (3),Animal (3),Bird (2),Car/Pole Accident (1),Forced Outage/Emergency (1),Trees - Outside ROW (1),Transmission/Generation (1)
NAPOLEON	2021	114	6,647	3,880	Trees (43),Equipment Failure (20),Planned/Scheduled (15),Weather (14),No Specific Cause Found (12),Trees - Outside ROW (4),Unique Incident (2),Forced Outage/Emergency (2),Lightning (1),Animal (1)
NAPOLEON	2022	57	1,280	476	Trees (14),Equipment Failure (11),No Specific Cause Found (10),Weather (5),Animal (5),Unique Incident (5),Lightning (4),Car/Pole Accident (1),Bird (1),Public Damage (1)
NAPOLEON	2023	103	15,665	4,168	Trees (29),Equipment Failure (23),Weather (21),No Specific Cause Found (11),Unique Incident (7),Animal (6),Trees - Outside ROW (2),Bird (2),Public Damage (1),Forced Outage/Emergency (1)

NAPOLEON	2024	55	6,769	2,021	Trees (14),No Specific Cause Found (11),Equipment Failure (8),Weather (7),Unique Incident (5),Animal (4),Trees - Outside ROW (3),Forced Outage/Emergency (2),Bird (1)
KENDALL	2020	37	3,456	1,000	Equipment Failure (18),Trees (8),Planned/Scheduled (5),No Specific Cause Found (4),Unique Incident (1),Animal (1)
KENDALL	2021	51	37,790	8,720	Trees (18),Planned/Scheduled (10),Equipment Failure (8),Weather (4),Unique Incident (4),Animal (3),No Specific Cause Found (2),Forced Outage/Emergency (1),Lightning (1)
KENDALL	2022	31	4,950	1,596	Trees (11),Equipment Failure (10),Weather (3),Public Damage (2),Animal (2),Car/Pole Accident (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
KENDALL	2023	44	9,128	3,347	Trees (14),Equipment Failure (11),No Specific Cause Found (5),Trees - Outside ROW (3),Weather (3),Animal (3),Car/Pole Accident (2),Bird (2),Unique Incident (1)
KENDALL	2024	28	2,131	848	Trees (9),No Specific Cause Found (6),Weather (4),Unique Incident (3),Trees - Outside ROW (2),Equipment Failure (2),Car/Pole Accident (1),Forced Outage/Emergency (1)
NUNICA	2020	66	7,177	2,632	Trees (22),Trees - Outside ROW (13),Equipment Failure (12),Animal (6),Planned/Scheduled (3),No Specific Cause Found (3),Transmission/Generation (2),Weather (2),Public Damage (1),Forced Outage/Emergency (1),Unique Incident (1),Lightning (1)
NUNICA	2021	47	11,766	2,701	Trees (14),Equipment Failure (11),Trees - Outside ROW (7),No Specific Cause Found (4),Unique Incident (3),Weather (3),Planned/Scheduled (2),Animal (2),Public Damage (1)
NUNICA	2022	63	3,860	2,353	Trees (23),Equipment Failure (12),Trees - Outside ROW (8),No Specific Cause Found (6),Animal (5),Weather (4),Car/Pole Accident (2),Forced Outage/Emergency (2),Unique Incident (1)
NUNICA	2023	80	8,129	4,810	Trees (29),Equipment Failure (12),Animal (7),Trees - Outside ROW (7),No Specific Cause Found (7),Weather (5),Forced Outage/Emergency (4),Public Damage (3),Unique Incident (2),Car/Pole Accident (1),Transmission/Generation (1),Lightning (1),Public Tree Trimming (1)
NUNICA	2024	130	12,355	3,549	Trees (65),Weather (15),Equipment Failure (13),No Specific Cause Found (12),Trees - Outside ROW (9),Forced Outage/Emergency (7),Lightning (2),Animal (2),Unique Incident (2),Public Damage (2),Bird (1)
RIVERDALE	2020	84	7,187	1,324	Trees (27),Equipment Failure (20),Planned/Scheduled (9),Forced Outage/Emergency (9),Weather (9),No Specific Cause Found (2),Car/Pole Accident (2),Trees - Outside ROW (2),Lightning (2),Animal (1),Public Damage (1)
RIVERDALE	2021	86	9,922	3,659	Trees (32),Equipment Failure (19),Weather (12),Lightning (7),Planned/Scheduled (5),Animal (4),Unique Incident (3),No Specific Cause Found (2),Trees - Outside ROW (1),Forced Outage/Emergency (1)
RIVERDALE	2022	55	6,839	2,137	Trees (23),Equipment Failure (10),Weather (9),No Specific Cause Found (4),Bird (3),Animal (3),Lightning (3)
RIVERDALE	2023	80	11,760	3,137	Trees (30),Equipment Failure (24),Trees - Outside ROW (5),Weather (4),No Specific Cause Found (4),Forced Outage/Emergency (3),Animal (3),Lightning (3),Car/Pole Accident (1),Public Damage (1),Bird (1),Unique Incident (1)
RIVERDALE	2024	34	2,588	1,409	Trees (11),Equipment Failure (6),Forced Outage/Emergency (5),Animal (4),Weather (2),Trees - Outside ROW (2),No Specific Cause Found (2),Lightning (1),Unique Incident (1)
ROSEBUSH	2020	50	1,953	930	Equipment Failure (13),Trees (13),Planned/Scheduled (9),Unique Incident (3),Forced Outage/Emergency (2),Lightning (2),No Specific Cause Found (2),Car/Pole Accident (2),Weather (1),Bird (1),Public Damage (1),Trees - Outside ROW (1)
ROSEBUSH	2021	64	5,216	2,028	Trees (21),Equipment Failure (13),Planned/Scheduled (6),Weather (5),Lightning (5),No Specific Cause Found (5),Unique Incident (3),Animal (2),Trees - Outside ROW (2),Car/Pole Accident (1),Forced Outage/Emergency (1)
ROSEBUSH	2022	41	2,581	2,085	Trees (9),Equipment Failure (7),Weather (6),Lightning (4),Unique Incident (3),Forced Outage/Emergency (3),No Specific Cause Found (3),Transmission/Generation (2),Bird (1),Trees - Outside ROW (1),Animal (1)
ROSEBUSH	2023	36	1,486	594	Equipment Failure (10),Trees (8),Weather (5),No Specific Cause Found (4),Trees - Outside ROW (3),Animal (3),Lightning (2),Forced Outage/Emergency (1)
ROSEBUSH	2024	59	2,118	950	Trees (13),Equipment Failure (6),No Specific Cause Found (5),Weather (4),Forced Outage/Emergency (3),Trees - Outside ROW (2),Animal (2),Unique Incident (2),Transmission/Generation (1),Car/Pole Accident (1)
SCOTTS	2020	60	7,630	2,664	Trees (19),Equipment Failure (11),Trees - Outside ROW (8),Weather (8),Animal (3),Transmission/Generation (2),Planned/Scheduled (2),Public Damage (2),Lightning (2),Forced Outage/Emergency (1),No Specific Cause Found (1),Bird (1)
SCOTTS	2021	76	3,198	884	Trees (36),Trees - Outside ROW (9),Equipment Failure (9),No Specific Cause Found (7),Planned/Scheduled (3),Unique Incident (3),Weather (2),Car/Pole Accident (2),Public Damage (2),Animal (2),Lightning (1)
SCOTTS	2022	58	3,957	1,105	Trees (24),Weather (10),Equipment Failure (8),No Specific Cause Found (5),Trees - Outside ROW (4),Animal (2),Unique Incident (2),Forced Outage/Emergency (1),Bird (1),Public Damage (1)
SCOTTS	2023	47	1,531	583	Trees (14),No Specific Cause Found (10),Weather (7),Equipment Failure (6),Trees - Outside ROW (3),Lightning (3),Animal (2),Bird (2)
SCOTTS	2024	69	8,865	1,709	Trees (20),Equipment Failure (9),Animal (9),Weather (8),Trees - Outside ROW (7),No Specific Cause Found (6),Public Damage (3),Unique Incident (3),Bird (2),Lightning (1),Forced Outage/Emergency (1)
PRINCETON	2020	59	5,815	2,026	Trees (21),Weather (9),Equipment Failure (9),Planned/Scheduled (6),No Specific Cause Found (5),Forced Outage/Emergency (2),Lightning (2),Animal (2),Public Damage (1),Unique Incident (1),Public Tree Trimming (1)
PRINCETON	2021	80	1,061	657	Planned/Scheduled (47),Equipment Failure (11),Trees (9),No Specific Cause Found (5),Weather (3),Car/Pole Accident (2),Unique Incident (1),Public Damage (1),Forced Outage/Emergency (1)
PRINCETON	2022	37	3,620	1,162	Trees (12),Equipment Failure (9),Weather (4),Unique Incident (4),Car/Pole Accident (2),Forced Outage/Emergency (2),Trees - Outside ROW (2),Animal (1),No Specific Cause Found (1)
PRINCETON	2023	24	767	412	Trees (8),Equipment Failure (4),No Specific Cause Found (3),Trees - Outside ROW (3),Unique Incident (1),Weather (1),Car/Pole Accident (1),Forced Outage/Emergency (1),Public Damage (1),Bird (1)
PRINCETON	2024	32	1,925	1,307	Equipment Failure (6),No Specific Cause Found (6),Car/Pole Accident (4),Forced Outage/Emergency (4),Weather (3),Trees (3),Animal (2),Trees - Outside ROW (1),Unique Incident (1),Bird (1),Public Damage (1)
FRANKFORT	2020	165	23,880	9,542	Trees (58),Equipment Failure (33),Animal (20),No Specific Cause Found (15),Trees - Outside ROW (13),Planned/Scheduled (10),Weather (9),Public Damage (3),Forced Outage/Emergency (3),Unique Incident (1)
FRANKFORT	2021	126	10,410	3,341	Trees (48),Planned/Scheduled (16),Animal (16),No Specific Cause Found (11),Equipment Failure (11),Trees - Outside ROW (9),Weather (8),Forced Outage/Emergency (4),Unique Incident (3)
FRANKFORT	2022	142	20,475	3,463	Trees (83),No Specific Cause Found (19),Trees - Outside ROW (13),Equipment Failure (12),Weather (6),Animal (5),Unique Incident (3),Forced Outage/Emergency (1)
FRANKFORT	2023	67	7,272	2,222	Trees (29),Equipment Failure (19),Animal (15),Weather (7),No Specific Cause Found (7),Trees - Outside ROW (5),Public Damage (2),Unique Incident (2),Car/Pole Accident (1)
FRANKFORT	2024	100	10,591	3,666	Trees (25),Animal (21),Equipment Failure (19),No Specific Cause Found (12),Forced Outage/Emergency (7),Lightning (5),Weather (4),Car/Pole Accident (2),Unique Incident (2),Public Tree Trimming (1),Public Damage (1),Trees - Outside ROW (1)
LAGRAVE	2020	12	317	148	No Specific Cause Found (4),Equipment Failure (2),Unique Incident (2),Planned/Scheduled (2),Forced Outage/Emergency (1),Transmission/Generation (1)
LAGRAVE	2021	15	1,032	312	Equipment Failure (7),Forced Outage/Emergency (6),Unique Incident (1),Public Damage (1)
LAGRAVE	2022	3	1,329	112	Equipment Failure (2),No Specific Cause Found (1)
LAGRAVE	2023	2	6	2	Equipment Failure (2)
LAGRAVE	2024	2	2	5	Forced Outage/Emergency (1),Trees (1)
BROADWAY	2020	55	5,477	2,863	Animal (14),Equipment Failure (10),Planned/Scheduled (9),Trees (7),Forced Outage/Emergency (5),No Specific Cause Found (3),Trees - Outside ROW (3),Public Damage (1),Lightning (1),Weather (1),Unique Incident (1)
BROADWAY	2021	37	2,470	807	Animal (17),Trees (9),Equipment Failure (5),Trees - Outside ROW (3),Weather (1),Car/Pole Accident (1),No Specific Cause Found (1)
BROADWAY	2022	62	9,648	3,531	Animal (37),Trees (9),Equipment Failure (8),Car/Pole Accident (3),No Specific Cause Found (2),Forced Outage/Emergency (2),Unique Incident (1)
BROADWAY	2023	95	6,227	3,879	Animal (36),Equipment Failure (18),Trees (15),No Specific Cause Found (10),Weather (5),Forced Outage/Emergency (4),Car/Pole Accident (3),Unique Incident (2),Trees - Outside ROW (1),Public Damage (1)
BROADWAY	2024	45	1,034	312	Trees (10),Animal (9),No Specific Cause Found (8),Equipment Failure (5),Forced Outage/Emergency (5),Unique Incident (3),Trees - Outside ROW (2),Weather (2),Public Damage (1)
INTERLOCHEN	2020	40	1,776	607	Planned/Scheduled (9),Trees (8),Animal (8),Equipment Failure (7),Lightning (5),No Specific Cause Found (2),Forced Outage/Emergency (1),Trees - Outside ROW (1)
INTERLOCHEN	2021	37	1,252	347	Animal (12),Equipment Failure (8),Trees (6),Planned/Scheduled (3),Trees - Outside ROW (3),Forced Outage/Emergency (2),No Specific Cause Found (2),Weather (1)
INTERLOCHEN	2022	33	3,472	848	Animal (11),Trees (8),Equipment Failure (6),Weather (3),Trees - Outside ROW (1),Lightning (1),Car/Pole Accident (1),No Specific Cause Found (1),Unique Incident (1)
INTERLOCHEN	2023	11	523	208	Animal (4),Trees (2),Trees - Outside ROW (1),Equipment Failure (1),Unique Incident (1),Lightning (1),No Specific Cause Found (1)
INTERLOCHEN	2024	27	2,477	869	Animal (12),No Specific Cause Found (4),Equipment Failure (4),Trees (3),Trees - Outside ROW (2),Unique Incident (1),Forced Outage/Emergency (1)
BEAVER	2020	49	6,703	2,414	Trees (16),Equipment Failure (10),Planned/Scheduled (9),Forced Outage/Emergency (4),Weather (4),No Specific Cause Found (2),Lightning (1),Car/Pole Accident (1),Animal (1),Public Damage (1)
BEAVER	2021	43	4,194	1,685	Trees (16),Equipment Failure (11),Forced Outage/Emergency (4),Trees - Outside ROW (3),Weather (3),Planned/Scheduled (3),Animal (2),No Specific Cause Found (1)
BEAVER	2022	40	3,743	918	Trees (13),Equipment Failure (9),Trees - Outside ROW (4),Weather (3),Animal (3),Lightning (2),Forced Outage/Emergency (2),Unique Incident (2),Bird (1),No Specific Cause Found (1)
BEAVER	2023	22	832	526	Trees (14),No Specific Cause Found (4),Lightning (2),Unique Incident (1),Bird (1)
BEAVER	2024	59	5,022	1,251	Trees (26),No Specific Cause Found (9),Equipment Failure (6),Weather (5),Unique Incident (5),Trees - Outside ROW (3),Animal (2),Forced Outage/Emergency (1),Car/Pole Accident (1),Bird (1)
BROOKLYN	2020	49	40,944	4,228	Trees (14),Equipment Failure (10),Weather (5),No Specific Cause Found (5),Forced Outage/Emergency (5),Planned/Scheduled (3),Car/Pole Accident (2),Trees - Outside ROW (2),Animal (1),Bird (1),Lightning (1)
BROOKLYN	2021	59	2,297	802	Equipment Failure (16),Planned/Scheduled (11),No Specific Cause Found (9),Trees - Outside ROW (9),Trees (8),Weather (4),Animal (1),Forced Outage/Emergency (1)
BROOKLYN	2022	38	16,123	1,349	Equipment Failure (11),No Specific Cause Found (7),Trees (6),Weather (6),Car/Pole Accident (2),Lightning (2),Forced Outage/Emergency (1),Unique Incident (1),Animal (1),Trees - Outside ROW (1)
BROOKLYN	2023	57	2,577	754	Trees (26),Weather (7),No Specific Cause Found (5),Equipment Failure (5),Animal (4),Unique Incident (3),Forced Outage/Emergency (2),Bird (2),Public Tree Trimming (1),Trees - Outside ROW (1),Public Damage (1)
BROOKLYN	2024	39	8,878	1,253	Unique Incident (8),Trees (7),No Specific Cause Found (7),Equipment Failure (5),Forced Outage/Emergency (4),Lightning (3),Weather (3),Bird (2)
COOPERSVILLE	2020	63	5,795	1,089	Equipment Failure (21),Trees (10),Weather (10),Weather (3),Trees - Outside ROW (3),Animal (2),Car/Pole Accident (1),Lightning (1),Public Tree Trimming (1),Forced Outage/Emergency (1),Bird (1),No Specific Cause Found (1)
COOPERSVILLE	2021	56	8,519	4,210	Trees (20),Equipment Failure (10),No Specific Cause Found (8),Trees - Outside ROW (7),Unique Incident (3),Weather (2),Planned/Scheduled (2),Animal (2),Forced Outage/Emergency (1),Bird (1)
COOPERSVILLE	2022	78	14,317	3,302	Trees (22),Weather (13),Equipment Failure (11),Trees - Outside ROW (10),No Specific Cause Found (7),Car/Pole Accident (6),Public Damage (2),Bird (2),Forced Outage/Emergency (2),Unique Incident (1),Lightning (1),Animal (1)
COOPERSVILLE	2023	34	3,874	2,214	Trees (9),Equipment Failure (7),Weather (5),No Specific Cause Found (5),Unique Incident (2),Public Damage (2),Trees - Outside ROW (1),Animal (1),Forced Outage/Emergency (1),Lightning (1)
COOPERSVILLE	2024	39	1,207	497	No Specific Cause Found (10),Trees (9),Equipment Failure (7),Animal (6),Weather (5),Lightning (1),Forced Outage/Emergency (1)
DEERFIELD	2020	26	2,518	131	No Specific Cause Found (12),Animal (4),Equipment Failure (4),Car/Pole Accident (2),Trees (2),Planned/Scheduled (1),Trees - Outside ROW (1)
DEERFIELD	2021	60	1,416	645	Planned/Scheduled (17),No Specific Cause Found (16),Equipment Failure (6),Weather (6),Car/Pole Accident (3),Trees (3),Unique Incident (3),Animal (3),Lightning (3)
DEERFIELD	2022	25	5,564	1,490	Equipment Failure (11),No Specific Cause Found (7),Trees (4),Animal (2),Lightning (1)
DEERFIELD	2023	35	1,243	372	No Specific Cause Found (8),Equipment Failure (7),Weather (6),Animal (5),Trees (5),Unique Incident (2),Car/Pole Accident (2)
DEERFIELD	2024	17	8,761	1,056	No Specific Cause Found (7),Animal (3),Car/Pole Accident (2),Forced Outage/Emergency (2),Trees (1),Lightning (1),Unique Incident (1)
HOPKINS	2020	55	4,414	1,049	Equipment Failure (14),Trees (12),No Specific Cause Found (10),Planned/Scheduled (4),Trees - Outside ROW (3),Weather (3),Public Damage (3),Animal (2),Lightning (2),Unique Incident (1),Bird (1)
HOPKINS	2021	57	6,637	1,708	Trees (19),Equipment Failure (10),Trees - Outside ROW (10),Weather (5),No Specific Cause Found (3),Car/Pole Accident (3),Unique Incident (2),Lightning (2),Forced Outage/Emergency (1),Planned/Scheduled (1),Animal (1)
HOPKINS	2022	60	7,004	1,778	Trees (10),No Specific Cause Found (10),Lightning (9),Trees - Outside ROW (8),Equipment Failure (8),Weather (6),Animal (3),Unique Incident (2),Car/Pole Accident (1),Public Tree Trimming (1),Public Damage (1),Forced Outage/Emergency (1)
HOPKINS	2023	50	2,541	1,003	Trees (13),Equipment Failure (8),No Specific Cause Found (8),Animal (5),Lightning (4),Car/Pole Accident (3),Weather (3),Forced Outage/Emergency (3),Trees - Outside ROW (2),Unique Incident (1)
HOPKINS	2024	56	5,765	1,274	Trees (18),Equipment Failure (10),Weather (9),No Specific Cause Found (9),Trees - Outside ROW (4),Animal (3),Public Damage (2),Unique Incident (2)
HARLEM	2020	17	1,304	252	Trees (8),Trees - Outside ROW (2),Equipment Failure (2),Bird (1),No Specific Cause Found (1),Planned/Scheduled (1),Public Damage (1),Weather (1)
HARLEM	2021	19	758	265	Planned/Scheduled (8),Trees (3),Car/Pole Accident (2),Equipment Failure (2),Unique Incident (2),Public Damage (1),Trees - Outside ROW (1)
HARLEM	2022	23	157	94	Equipment Failure (10),No Specific Cause Found (5),Trees (4),Lightning (2),Bird (1),Weather (1)
HARLEM	2023	16	1,114	287	No Specific Cause Found (4),Car/Pole Accident (3),Trees (3),Trees - Outside ROW (2),Animal (2),Public Damage (1),Equipment Failure (1)
HARLEM	2024	19	1,227	955	Lightning (4),No Specific Cause Found (4),Trees - Outside ROW (3),Animal (2),Forced Outage/Emergency (2),Equipment Failure (2),Trees (1),Unique Incident (1)
JONESVILLE	2020	26	1,891	469	Planned/Scheduled (8),Equipment Failure (6),No Specific Cause Found (3),Forced Outage/Emergency (2),Trees (2),Trees - Outside ROW (1),Animal (1),Lightning (1),Weather (1),Public Damage (1)
JONESVILLE	2021	63	11,296	2,801	Trees (20),Weather (12),Trees - Outside ROW (10),Equipment Failure (5),No Specific Cause Found (4),Unique Incident (3),Planned/Scheduled (3),Animal (2),Forced Outage/Emergency (2),Lightning (1),Car/Pole Accident (1)

JONESVILLE	2022	30	3,847	1,293	Trees (8),Equipment Failure (8),Unique Incident (4),No Specific Cause Found (3),Weather (3),Trees - Outside ROW (3),Forced Outage/Emergency (1)
JONESVILLE	2023	29	13,080	2,192	Trees (11),No Specific Cause Found (6),Weather (5),Equipment Failure (3),Trees - Outside ROW (1),Forced Outage/Emergency (1),Unique Incident (1),Public Damage (1)
JONESVILLE	2024	28	4,140	1,482	Equipment Failure (5),Trees (5),Car/Pole Accident (4),No Specific Cause Found (4),Animal (4),Weather (3),Trees - Outside ROW (1),Bird (1),Public Damage (1)
KILGORE	2020	45	8,477	2,277	Planned/Scheduled (13),Trees (11),Equipment Failure (10),No Specific Cause Found (5),Trees - Outside ROW (3),Car/Pole Accident (2),Bird (1)
KILGORE	2021	56	13,213	2,139	Planned/Scheduled (15),Trees (14),Equipment Failure (14),Weather (6),Lightning (2),Animal (2),Bird (2),Car/Pole Accident (1)
KILGORE	2022	42	1,878	656	Trees (9),Equipment Failure (7),No Specific Cause Found (6),Weather (6),Lightning (6),Unique Incident (4),Animal (4)
KILGORE	2023	45	4,871	1,396	Trees (19),Equipment Failure (14),Animal (5),No Specific Cause Found (3),Unique Incident (2),Weather (1),Trees - Outside ROW (1)
KILGORE	2024	79	1,870	1,457	Trees (25),Equipment Failure (15),Weather (15),No Specific Cause Found (6),Animal (6),Unique Incident (4),Forced Outage/Emergency (3),Lightning (2),Trees - Outside ROW (1),Car/Pole Accident (1),Bird (1)
LEVEL PARK	2020	78	5,190	3,292	Planned/Scheduled (25),Trees (21),Weather (9),Equipment Failure (8),Lightning (4),Car/Pole Accident (4),No Specific Cause Found (4),Animal (2),Trees - Outside ROW (1)
LEVEL PARK	2021	120	11,535	3,601	Planned/Scheduled (39),Trees (34),Equipment Failure (16),Weather (8),No Specific Cause Found (5),Trees - Outside ROW (4),Unique Incident (3),Forced Outage/Emergency (2),Bird (2),Animal (2),Car/Pole Accident (2),Public Damage (2),Lightning (1)
LEVEL PARK	2022	64	8,485	5,353	Equipment Failure (22),Trees - Outside ROW (9),Trees (9),Weather (8),No Specific Cause Found (6),Unique Incident (4),Lightning (2),Forced Outage/Emergency (1),Animal (1),Public Tree Trimming (1),Car/Pole Accident (1)
LEVEL PARK	2023	69	10,774	5,511	Trees (20),Trees - Outside ROW (12),Unique Incident (8),Weather (8),Equipment Failure (7),No Specific Cause Found (4),Animal (4),Forced Outage/Emergency (3),Car/Pole Accident (1),Public Damage (1),Bird (1)
LEVEL PARK	2024	68	9,126	5,264	No Specific Cause Found (12),Equipment Failure (12),Trees - Outside ROW (12),Trees (11),Weather (5),Animal (4),Car/Pole Accident (4),Unique Incident (3),Forced Outage/Emergency (3),Lightning (1),Bird (1)
LAKE CITY	2020	200	48,778	13,348	Equipment Failure (65),Trees (29),Trees - Outside ROW (26),No Specific Cause Found (19),Animal (16),Weather (14),Planned/Scheduled (11),Forced Outage/Emergency (7),Unique Incident (6),Public Damage (2),Bird (2),Car/Pole Accident (2),Lightning (1)
LAKE CITY	2021	242	25,996	8,702	Trees (53),Equipment Failure (51),Trees - Outside ROW (29),No Specific Cause Found (26),Animal (19),Planned/Scheduled (17),Weather (16),Forced Outage/Emergency (12),Unique Incident (7),Lightning (5),Car/Pole Accident (4),Bird (2),Public Damage (1)
LAKE CITY	2022	195	18,157	6,848	Equipment Failure (49),Trees (34),Trees - Outside ROW (33),No Specific Cause Found (21),Unique Incident (19),Animal (15),Weather (14),Car/Pole Accident (3),Lightning (3),Bird (2),Forced Outage/Emergency (2)
LAKE CITY	2023	142	17,889	7,844	Equipment Failure (38),Trees - Outside ROW (28),Weather (18),No Specific Cause Found (16),Animal (11),Trees (10),Unique Incident (9),Forced Outage/Emergency (4),Lightning (3),Bird (2),Public Damage (2),Car/Pole Accident (1)
LAKE CITY	2024	124	15,899	6,107	Equipment Failure (32),No Specific Cause Found (28),Trees - Outside ROW (20),Unique Incident (14),Animal (12),Trees (8),Weather (7),Lightning (1),Forced Outage/Emergency (1),Car/Pole Accident (1)
PLAINFIELD	2020	62	11,688	3,104	Equipment Failure (17),Trees (15),Planned/Scheduled (8),Weather (7),Car/Pole Accident (3),Trees - Outside ROW (3),Forced Outage/Emergency (2),Animal (2),No Specific Cause Found (2),Bird (1),Lightning (1),Unique Incident (1)
PLAINFIELD	2021	52	5,552	2,274	Trees (13),Equipment Failure (10),Weather (6),Planned/Scheduled (5),No Specific Cause Found (5),Trees - Outside ROW (3),Car/Pole Accident (3),Public Damage (3),Animal (2),Unique Incident (1),Bird (1)
PLAINFIELD	2022	50	6,349	3,249	Equipment Failure (15),Trees (13),Weather (8),Trees - Outside ROW (4),No Specific Cause Found (4),Unique Incident (4),Animal (3),Public Damage (1)
PLAINFIELD	2023	74	36,572	6,482	Trees (25),Weather (12),Equipment Failure (7),Animal (6),Trees - Outside ROW (6),No Specific Cause Found (5),Car/Pole Accident (2),Forced Outage/Emergency (1)
PLAINFIELD	2024	32	7,178	1,721	Equipment Failure (9),Trees (8),No Specific Cause Found (7),Unique Incident (3),Forced Outage/Emergency (3),Animal (1),Weather (1)
NEELEY	2020	41	3,711	1,391	Trees (12),Planned/Scheduled (11),No Specific Cause Found (6),Trees - Outside ROW (3),Weather (2),Equipment Failure (2),Public Damage (2),Animal (1),Car/Pole Accident (1),Lightning (1)
NEELEY	2021	41	2,860	1,309	Trees (17),Weather (9),Planned/Scheduled (6),Equipment Failure (5),Public Damage (2),Trees - Outside ROW (1),Unique Incident (1)
NEELEY	2022	41	2,236	1,202	Trees (19),No Specific Cause Found (7),Equipment Failure (7),Unique Incident (3),Trees - Outside ROW (2),Public Tree Trimming (1),Weather (1),Lightning (1)
NEELEY	2023	43	9,538	2,278	Trees (33),Trees - Outside ROW (4),Weather (2),Animal (1),Bird (1),Equipment Failure (1),No Specific Cause Found (1)
NEELEY	2024	33	2,033	707	Trees (10),Weather (6),Trees - Outside ROW (5),Animal (4),No Specific Cause Found (4),Equipment Failure (2),Public Damage (1),Unique Incident (1)
PARNALL	2020	64	16,484	9,381	Equipment Failure (16),Planned/Scheduled (12),Trees (10),Weather (9),No Specific Cause Found (7),Trees - Outside ROW (3),Unique Incident (3),Forced Outage/Emergency (1),Animal (1),Public Damage (1),Lightning (1)
PARNALL	2021	44	5,982	1,537	Equipment Failure (15),Trees (12),Weather (4),Trees - Outside ROW (4),Planned/Scheduled (3),No Specific Cause Found (3),Unique Incident (1),Public Tree Trimming (1),Car/Pole Accident (1)
PARNALL	2022	48	16,956	3,168	Equipment Failure (20),Trees (7),Trees - Outside ROW (5),No Specific Cause Found (5),Forced Outage/Emergency (2),Animal (2),Car/Pole Accident (2),Weather (2),Public Damage (1),Lightning (1),Unique Incident (1)
PARNALL	2023	35	5,914	3,560	Trees (12),Equipment Failure (7),No Specific Cause Found (5),Weather (4),Unique Incident (2),Trees - Outside ROW (2),Bird (2),Forced Outage/Emergency (1)
PARNALL	2024	43	10,259	6,452	Trees (14),Equipment Failure (10),Weather (5),Lightning (3),Trees - Outside ROW (3),No Specific Cause Found (3),Animal (2),Car/Pole Accident (1),Public Damage (1),Forced Outage/Emergency (1)
BAYBERRY	2020	13	1,540	1,417	Equipment Failure (6),Trees (3),Animal (3),Public Tree Trimming (1)
BAYBERRY	2021	23	10,660	4,817	Equipment Failure (7),Animal (5),Bird (4),No Specific Cause Found (2),Trees (1),Public Damage (1),Weather (1),Planned/Scheduled (1),Lightning (1)
BAYBERRY	2022	30	9,550	4,156	Animal (8),Trees (6),No Specific Cause Found (4),Equipment Failure (4),Bird (3),Weather (2),Trees - Outside ROW (1),Public Damage (1),Unique Incident (1)
BAYBERRY	2023	26	5,598	5,260	Animal (8),Trees (7),Equipment Failure (5),Unique Incident (2),No Specific Cause Found (1),Forced Outage/Emergency (1),Public Damage (1),Weather (1)
BAYBERRY	2024	30	2,589	2,121	Animal (11),Equipment Failure (7),Trees (6),Car/Pole Accident (2),Weather (1),Trees - Outside ROW (1),No Specific Cause Found (1),Forced Outage/Emergency (1)
TEKONSHA	2020	109	17,136	3,206	Trees (33),Weather (23),Equipment Failure (16),No Specific Cause Found (15),Animal (6),Trees - Outside ROW (5),Planned/Scheduled (4),Unique Incident (4),Lightning (2),Public Damage (1)
TEKONSHA	2021	92	10,526	5,188	Trees (37),No Specific Cause Found (11),Equipment Failure (8),Weather (7),Planned/Scheduled (7),Trees - Outside ROW (4),Unique Incident (4),Transmission/Generation (4),Car/Pole Accident (2),Animal (2),Lightning (2),Public Tree Trimming (1),Forced Outage/Emergency (1),Bird (1),Public Damage (1)
TEKONSHA	2022	66	6,242	2,344	Equipment Failure (17),No Specific Cause Found (13),Weather (11),Trees (9),Trees - Outside ROW (6),Unique Incident (5),Lightning (3),Forced Outage/Emergency (1),Car/Pole Accident (1)
TEKONSHA	2023	63	5,857	1,283	No Specific Cause Found (20),Trees (16),Equipment Failure (8),Weather (6),Unique Incident (3),Trees - Outside ROW (3),Forced Outage/Emergency (2),Animal (2),Lightning (2),Car/Pole Accident (1)
TEKONSHA	2024	59	7,491	855	Trees (16),Equipment Failure (12),No Specific Cause Found (10),Trees - Outside ROW (8),Weather (8),Animal (3),Unique Incident (2)
WALLOON	2020	58	7,518	3,756	Planned/Scheduled (17),Trees (13),Trees (11),Equipment Failure (6),Animal (4),No Specific Cause Found (3),Forced Outage/Emergency (1),Unique Incident (1),Weather (1),Transmission/Generation (1)
WALLOON	2021	45	3,380	611	Trees (15),Weather (7),Trees - Outside ROW (7),Planned/Scheduled (5),Forced Outage/Emergency (3),Equipment Failure (3),No Specific Cause Found (3),Car/Pole Accident (1),Animal (1)
WALLOON	2022	36	2,637	1,078	Trees (10),Trees - Outside ROW (8),Animal (6),Equipment Failure (5),No Specific Cause Found (4),Forced Outage/Emergency (2),Unique Incident (1)
WALLOON	2023	28	4,792	1,749	Trees - Outside ROW (8),Trees (6),Equipment Failure (4),Animal (4),Weather (2),No Specific Cause Found (2),Lightning (2)
WALLOON	2024	45	2,790	996	Trees (17),Trees - Outside ROW (11),Animal (5),Equipment Failure (6),No Specific Cause Found (4),Forced Outage/Emergency (3),Public Damage (1)
MAYFAIR	2020	171	12,231	3,480	Trees (67),Equipment Failure (27),Weather (24),Planned/Scheduled (17),Forced Outage/Emergency (12),Unique Incident (7),No Specific Cause Found (6),Car/Pole Accident (5),Trees - Outside ROW (2),Public Damage (2),Public Tree Trimming (1),Animal (1)
MAYFAIR	2021	202	26,566	7,880	Trees (24),Equipment Failure (33),Forced Outage/Emergency (20),Weather (18),Unique Incident (18),Planned/Scheduled (11),No Specific Cause Found (10),Car/Pole Accident (7),Trees - Outside ROW (4),Animal (4),Public Damage (3)
MAYFAIR	2022	132	18,017	3,532	Trees (48),Equipment Failure (22),Forced Outage/Emergency (21),No Specific Cause Found (11),Unique Incident (11),Weather (9),Animal (8),Car/Pole Accident (2)
MAYFAIR	2023	109	10,055	4,784	Trees (39),Equipment Failure (28),Weather (14),Unique Incident (9),No Specific Cause Found (6),Forced Outage/Emergency (5),Animal (2),Car/Pole Accident (2),Trees - Outside ROW (2),Public Damage (1),Lightning (1)
MAYFAIR	2024	109	22,266	4,060	Trees (30),Weather (21),Forced Outage/Emergency (15),Equipment Failure (15),No Specific Cause Found (8),Car/Pole Accident (6),Unique Incident (4),Trees - Outside ROW (2),Animal (1),Lightning (1),Bird (1)
BLUEGRASS	2020	12	5,914	1,065	Equipment Failure (5),Planned/Scheduled (2),No Specific Cause Found (2),Unique Incident (1),Car/Pole Accident (1),Weather (1)
BLUEGRASS	2021	23	4,975	2,268	Equipment Failure (14),Public Damage (3),Trees (2),Weather (1),Forced Outage/Emergency (1),Unique Incident (1),Planned/Scheduled (1)
BLUEGRASS	2022	4	140	28	Trees - Outside ROW (2),Trees (1),Equipment Failure (1)
BLUEGRASS	2023	9	269	306	Equipment Failure (3),Animal (2),No Specific Cause Found (2),Unique Incident (1),Weather (1)
BLUEGRASS	2024	15	2,823	1,497	Equipment Failure (7),No Specific Cause Found (4),Trees (2),Unique Incident (1),Animal (1)
BISHOP	2020	24	1,636	202	Equipment Failure (10),Planned/Scheduled (5),Trees (4),Car/Pole Accident (2),No Specific Cause Found (2),Animal (1)
BISHOP	2021	20	4,478	1,617	Equipment Failure (5),Forced Outage/Emergency (3),Planned/Scheduled (3),Weather (2),No Specific Cause Found (2),Public Damage (1),Trees (1),Unique Incident (1),Animal (1),Car/Pole Accident (1)
BISHOP	2022	26	3,122	1,205	Equipment Failure (11),Animal (4),Forced Outage/Emergency (2),Trees (2),Weather (2),Public Damage (2),No Specific Cause Found (1),Public Tree Trimming (1),Trees - Outside ROW (1)
BISHOP	2023	12	613	290	Equipment Failure (4),Trees (3),No Specific Cause Found (2),Car/Pole Accident (1)
BISHOP	2024	23	2,796	800	Trees (9),Equipment Failure (5),Weather (5),No Specific Cause Found (2),Forced Outage/Emergency (1),Unique Incident (1)
O-AT-KA	2020	13	646	263	Animal (6),Equipment Failure (4),No Specific Cause Found (1),Unique Incident (1),Trees (1)
O-AT-KA	2021	12	524	272	Animal (6),Trees - Outside ROW (1),No Specific Cause Found (1),Planned/Scheduled (1),Car/Pole Accident (1),Equipment Failure (1),Public Damage (1)
O-AT-KA	2022	10	862	655	Animal (4),Trees (2),Public Damage (1),No Specific Cause Found (1),Equipment Failure (1),Unique Incident (1)
O-AT-KA	2023	23	1,658	415	Animal (10),Trees (4),Equipment Failure (4),No Specific Cause Found (2),Weather (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
O-AT-KA	2024	14	168	103	Animal (6),No Specific Cause Found (4),Equipment Failure (2),Trees (2)
EAST JORDAN	2020	70	4,215	1,306	Trees (19),Planned/Scheduled (15),Equipment Failure (13),Trees - Outside ROW (11),Animal (8),Unique Incident (2),Car/Pole Accident (1),No Specific Cause Found (1)
EAST JORDAN	2021	54	22,649	4,292	Planned/Scheduled (18),Trees - Outside ROW (8),Trees (8),Equipment Failure (6),Weather (5),Animal (3),Forced Outage/Emergency (2),No Specific Cause Found (2),Public Damage (1),Unique Incident (1)
EAST JORDAN	2022	50	5,675	1,177	Trees - Outside ROW (21),Equipment Failure (12),Trees (8),Animal (3),No Specific Cause Found (3),Unique Incident (1),Forced Outage/Emergency (1),Car/Pole Accident (1)
EAST JORDAN	2023	37	3,925	3,212	Equipment Failure (10),No Specific Cause Found (6),Forced Outage/Emergency (5),Trees - Outside ROW (4),Animal (4),Weather (3),Trees (2),Lightning (2),Unique Incident (1)
EAST JORDAN	2024	55	6,023	2,635	Equipment Failure (28),Trees (7),Trees - Outside ROW (4),Animal (4),No Specific Cause Found (4),Forced Outage/Emergency (2),Unique Incident (2),Public Damage (2),Weather (1),Public Tree Trimming (1)
HART	2020	28	2,642	366	Planned/Scheduled (7),Animal (7),Trees (5),Weather (3),Equipment Failure (3),Public Damage (1),Unique Incident (1),Lightning (1)
HART	2021	11	458	100	Equipment Failure (6),No Specific Cause Found (2),Animal (2),Car/Pole Accident (1)
HART	2022	11	672	507	No Specific Cause Found (3),Equipment Failure (2),Transmission/Generation (1),Bird (1),Animal (1),Lightning (1),Trees - Outside ROW (1),Trees (1)
HART	2023	7	681	115	Equipment Failure (2),Animal (2),No Specific Cause Found (2),Weather (1)
HART	2024	4	275	131	Animal (1),No Specific Cause Found (1),Bird (1),Trees - Outside ROW (1)
LEHRING	2020	56	5,980	1,272	Planned/Scheduled (13),Trees (12),Equipment Failure (12),Weather (6),Unique Incident (5),Animal (3),No Specific Cause Found (2),Public Damage (1),Trees - Outside ROW (1),Lightning (1)
LEHRING	2021	76	8,648	1,307	Trees (27),Equipment Failure (16),Unique Incident (10),Planned/Scheduled (6),No Specific Cause Found (5),Weather (5),Lightning (3),Animal (2),Forced Outage/Emergency (1),Bird (1)
LEHRING	2022	63	3,292	1,407	Trees (20),Equipment Failure (11),Unique Incident (11),Weather (6),Animal (4),Lightning (3),Trees - Outside ROW (2),Bird (2),No Specific Cause Found (2),Public Tree Trimming (1),Forced Outage/Emergency (1)
LEHRING	2023	71	12,129	3,291	Trees (35),Equipment Failure (9),Unique Incident (7),No Specific Cause Found (5),Weather (5),Trees - Outside ROW (4),Animal (2),Lightning (2),Forced Outage/Emergency (1),Public Damage (1)
LEHRING	2024	85	29,848	8,093	Trees (23),Unique Incident (15),Equipment Failure (15),Weather (12),Trees - Outside ROW (6),No Specific Cause Found (6),Lightning (2),Animal (2),Forced Outage/Emergency (2),Car/Pole Accident (2)

TRAVIS	2020	37	9,551	4,119	Planned/Scheduled (14),Equipment Failure (11),Trees (6),Transmission/Generation (3),Trees - Outside ROW (2),Weather (1)
TRAVIS	2021	40	5,762	1,859	Trees (15),Trees - Outside ROW (5),Equipment Failure (4),Car/Pole Accident (3),Animal (3),Weather (2),Unique Incident (2),Planned/Scheduled (2),No Specific Cause Found (2),Forced Outage/Emergency (1),Bird (1)
TRAVIS	2022	19	4,283	2,571	Trees (6),Equipment Failure (4),Animal (3),No Specific Cause Found (2),Bird (1),Trees - Outside ROW (1),Car/Pole Accident (1),Weather (1)
TRAVIS	2023	26	527	183	Trees (8),Weather (5),Equipment Failure (4),Animal (3),No Specific Cause Found (3),Unique Incident (2),Public Damage (1)
TRAVIS	2024	22	1,302	598	Trees (6),Trees - Outside ROW (4),Weather (3),Lightning (3),Equipment Failure (2),No Specific Cause Found (1),Forced Outage/Emergency (1),Public Damage (1),Bird (1)
CUTLERVILLE	2020	46	3,818	2,399	Equipment Failure (7),No Specific Cause Found (7),Unique Incident (6),Animal (6),Trees (6),Public Damage (4),Planned/Scheduled (4),Car/Pole Accident (3),Trees - Outside ROW (1),Forced Outage/Emergency (1),Weather (1)
CUTLERVILLE	2021	42	3,790	1,075	Equipment Failure (13),Trees (9),Animal (6),No Specific Cause Found (5),Weather (4),Forced Outage/Emergency (2),Planned/Scheduled (2),Unique Incident (1)
CUTLERVILLE	2022	66	6,119	2,878	Equipment Failure (30),Animal (12),No Specific Cause Found (10),Weather (3),Trees (3),Unique Incident (3),Lightning (2),Public Damage (2),Trees - Outside ROW (1)
CUTLERVILLE	2023	43	6,817	2,233	Animal (18),Equipment Failure (7),Public Damage (5),No Specific Cause Found (4),Trees (3),Trees - Outside ROW (2),Weather (2),Unique Incident (1),Forced Outage/Emergency (1)
CUTLERVILLE	2024	72	12,923	6,543	Unique Incident (17),Equipment Failure (12),No Specific Cause Found (10),Animal (10),Trees (6),Public Damage (6),Weather (4),Forced Outage/Emergency (3),Trees - Outside ROW (2),Car/Pole Accident (1),Lightning (1)
ENSLY	2020	48	10,981	1,732	Trees (22),Equipment Failure (8),Trees - Outside ROW (4),No Specific Cause Found (4),Planned/Scheduled (4),Unique Incident (1),Forced Outage/Emergency (1),Public Tree Trimming (1),Weather (1),Animal (1),Public Damage (1)
ENSLY	2021	36	20,176	2,895	Trees (15),Equipment Failure (6),No Specific Cause Found (3),Weather (2),Animal (2),Car/Pole Accident (2),Planned/Scheduled (2),Public Tree Trimming (2),Trees - Outside ROW (2),Unique Incident (1)
ENSLY	2022	74	5,427	2,438	Trees (29),Equipment Failure (19),Trees - Outside ROW (9),No Specific Cause Found (7),Weather (3),Animal (3),Bird (2),Public Damage (1),Lightning (1)
ENSLY	2023	83	21,615	4,162	Trees (47),Equipment Failure (14),Weather (8),No Specific Cause Found (6),Trees - Outside ROW (5),Animal (1),Bird (1),Lightning (1)
ENSLY	2024	53	5,521	1,395	Trees (23),Trees - Outside ROW (7),No Specific Cause Found (5),Equipment Failure (5),Weather (4),Unique Incident (4),Animal (3),Forced Outage/Emergency (1),Public Damage (1)
CARROLL	2020	3	12	15	No Specific Cause Found (2),Equipment Failure (1)
CARROLL	2021	9	490	331	Planned/Scheduled (2),Car/Pole Accident (2),Unique Incident (2),Trees - Outside ROW (1),Trees (1),Equipment Failure (1)
CARROLL	2022	7	125	35	Trees (3),No Specific Cause Found (2),Equipment Failure (1),Weather (1)
CARROLL	2023	10	584	103	Trees (4),Weather (3),Unique Incident (2),Equipment Failure (1)
CARROLL	2024	4	72	23	Equipment Failure (1),Animal (1),Weather (1),No Specific Cause Found (1)
BAUM STREET	2021	4	1,024	360	Planned/Scheduled (3),Equipment Failure (1)
BAUM STREET	2022	5	408	257	Equipment Failure (3),Weather (2)
BAUM STREET	2023	7	63	38	Equipment Failure (5),Unique Incident (2)
INGERSOLL	2020	43	4,799	1,633	Equipment Failure (16),Trees (7),No Specific Cause Found (5),Weather (4),Public Damage (3),Planned/Scheduled (3),Unique Incident (3),Forced Outage/Emergency (2)
INGERSOLL	2021	61	5,449	2,239	Trees (18),Equipment Failure (14),Planned/Scheduled (9),Unique Incident (4),Trees - Outside ROW (3),Weather (3),Animal (2),Forced Outage/Emergency (2),No Specific Cause Found (2),Bird (1),Car/Pole Accident (1),Lightning (1),Public Tree Trimming (1)
INGERSOLL	2022	36	2,423	761	Equipment Failure (11),Trees (9),Weather (6),Unique Incident (2),No Specific Cause Found (2),Trees - Outside ROW (2),Animal (1),Bird (1),Lightning (1),Forced Outage/Emergency (1)
INGERSOLL	2023	23	1,197	1,240	Trees (7),Equipment Failure (6),Weather (3),Bird (2),Animal (2),Unique Incident (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
INGERSOLL	2024	60	2,963	730	Trees (18),Equipment Failure (17),Weather (10),No Specific Cause Found (5),Forced Outage/Emergency (4),Unique Incident (2),Bird (2),Animal (1),Trees - Outside ROW (1)
MACATAWA	2020	27	2,231	1,064	Trees (8),Planned/Scheduled (7),Equipment Failure (6),Public Damage (3),No Specific Cause Found (2),Animal (1)
MACATAWA	2021	40	21,531	1,810	Planned/Scheduled (9),Equipment Failure (8),Trees (5),No Specific Cause Found (4),Weather (4),Car/Pole Accident (3),Trees - Outside ROW (2),Animal (2),Unique Incident (2),Lightning (1)
MACATAWA	2022	25	501	206	Equipment Failure (9),No Specific Cause Found (6),Unique Incident (3),Weather (3),Trees - Outside ROW (2),Animal (1),Trees (1)
MACATAWA	2023	62	5,710	1,933	Weather (31),Trees (12),Trees - Outside ROW (6),Equipment Failure (4),No Specific Cause Found (3),Unique Incident (2),Forced Outage/Emergency (1),Bird (1),Animal (1),Public Damage (1)
MACATAWA	2024	22	2,309	6,809	Equipment Failure (7),Trees (6),No Specific Cause Found (5),Forced Outage/Emergency (2),Weather (1),Trees - Outside ROW (1)
DEXTER TRAIL	2020	100	4,783	1,122	Equipment Failure (24),Trees (21),No Specific Cause Found (14),Weather (10),Planned/Scheduled (10),Animal (7),Lightning (5),Unique Incident (4),Bird (2),Car/Pole Accident (2),Trees - Outside ROW (1)
DEXTER TRAIL	2021	57	4,431	1,158	Trees (18),Equipment Failure (11),Unique Incident (6),No Specific Cause Found (6),Animal (6),Planned/Scheduled (2),Lightning (1),Forced Outage/Emergency (1),Public Damage (1),Weather (1)
DEXTER TRAIL	2022	71	4,469	810	Trees (18),Equipment Failure (17),Animal (10),Weather (10),Lightning (6),No Specific Cause Found (5),Bird (2),Trees - Outside ROW (2),Forced Outage/Emergency (1)
DEXTER TRAIL	2023	64	6,815	1,314	Trees (18),Equipment Failure (16),No Specific Cause Found (12),Animal (5),Weather (4),Lightning (3),Bird (3),Public Tree Trimming (1),Public Damage (1),Unique Incident (1)
DEXTER TRAIL	2024	62	4,926	1,415	Equipment Failure (14),Trees (14),Animal (11),No Specific Cause Found (10),Forced Outage/Emergency (4),Unique Incident (3),Trees - Outside ROW (2),Bird (2),Public Damage (1),Weather (1)
MCCRACKEN	2020	82	23,136	10,000	Equipment Failure (17),Trees (14),Animal (13),Planned/Scheduled (10),Car/Pole Accident (8),Forced Outage/Emergency (7),Trees - Outside ROW (6),No Specific Cause Found (4),Bird (1),Weather (1),Unique Incident (1)
MCCRACKEN	2021	60	8,961	3,832	Equipment Failure (16),Trees (10),Animal (10),Planned/Scheduled (7),Forced Outage/Emergency (6),Trees - Outside ROW (4),No Specific Cause Found (3),Weather (3),Car/Pole Accident (1)
MCCRACKEN	2022	65	3,134	923	Animal (16),Trees (15),No Specific Cause Found (8),Equipment Failure (7),Forced Outage/Emergency (6),Trees - Outside ROW (5),Weather (3),Lightning (2),Unique Incident (2),Public Tree Trimming (1)
MCCRACKEN	2023	48	3,015	2,092	Animal (21),Equipment Failure (7),Trees (6),No Specific Cause Found (6),Weather (4),Forced Outage/Emergency (2),Unique Incident (1),Car/Pole Accident (1)
MCCRACKEN	2024	55	17,300	2,570	Trees (17),Animal (10),Equipment Failure (7),Forced Outage/Emergency (5),Weather (5),Car/Pole Accident (4),Public Damage (2),Unique Incident (2),Bird (1),No Specific Cause Found (1),Trees - Outside ROW (1)
MCGRAW	2020	41	1,905	603	Trees (12),Animal (9),Planned/Scheduled (5),Public Damage (3),Trees - Outside ROW (3),Weather (3),Forced Outage/Emergency (1),Bird (1),Car/Pole Accident (1)
MCGRAW	2021	35	1,504	398	Equipment Failure (11),Trees (8),Unique Incident (5),Weather (4),Animal (2),Trees - Outside ROW (1),Lightning (1),Planned/Scheduled (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
MCGRAW	2022	19	1,676	882	Equipment Failure (6),Trees (3),Animal (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Weather (1),Trees - Outside ROW (1)
MCGRAW	2023	16	613	141	Equipment Failure (3),Animal (3),Forced Outage/Emergency (2),Trees (2),Trees - Outside ROW (2),Lightning (1),Unique Incident (1),Car/Pole Accident (1),No Specific Cause Found (1)
MCGRAW	2024	21	366	214	Equipment Failure (6),No Specific Cause Found (5),Forced Outage/Emergency (3),Unique Incident (2),Trees (2),Transmission/Generation (1),Weather (1),Trees - Outside ROW (1)
NEW LOTHROP	2020	21	712	174	Equipment Failure (10),Trees (3),No Specific Cause Found (2),Planned/Scheduled (2),Animal (2),Public Damage (1),Forced Outage/Emergency (1)
NEW LOTHROP	2021	40	1,757	337	Equipment Failure (13),Weather (7),Lightning (4),No Specific Cause Found (3),Planned/Scheduled (3),Forced Outage/Emergency (2),Unique Incident (2),Trees (2),Public Damage (1),Transmission/Generation (1),Bird (1),Animal (1)
NEW LOTHROP	2022	26	2,088	530	Equipment Failure (5),Trees (5),Car/Pole Accident (4),Weather (4),No Specific Cause Found (3),Unique Incident (2),Animal (1),Public Tree Trimming (1),Forced Outage/Emergency (1)
NEW LOTHROP	2023	33	4,693	877	Equipment Failure (10),Trees (9),Weather (4),No Specific Cause Found (3),Forced Outage/Emergency (3),Unique Incident (2),Animal (2)
NEW LOTHROP	2024	33	2,705	990	Equipment Failure (15),Trees (4),Animal (3),Forced Outage/Emergency (3),No Specific Cause Found (3),Weather (2),Lightning (1),Public Damage (1),Unique Incident (1)
MACKINAW CITY	2020	19	706	265	Equipment Failure (6),Planned/Scheduled (4),Animal (4),Trees (3),Public Damage (1),No Specific Cause Found (1)
MACKINAW CITY	2021	22	795	298	Equipment Failure (9),Animal (5),Trees (3),No Specific Cause Found (3),Planned/Scheduled (2)
MACKINAW CITY	2022	30	1,821	688	Trees - Outside ROW (10),Equipment Failure (7),Animal (5),Weather (3),Lightning (3),Trees (1),Forced Outage/Emergency (1)
MACKINAW CITY	2023	12	450	142	No Specific Cause Found (4),Trees - Outside ROW (3),Animal (1),Weather (1),Unique Incident (1),Equipment Failure (1),Trees (1)
MACKINAW CITY	2024	25	16,609	2,009	Equipment Failure (8),Trees (5),Animal (4),Trees - Outside ROW (2),Weather (2),No Specific Cause Found (2),Lightning (1),Unique Incident (1)
EAST BAY	2020	16	1,858	446	Equipment Failure (5),No Specific Cause Found (3),Planned/Scheduled (3),Animal (2),Unique Incident (1),Trees (1),Forced Outage/Emergency (1)
EAST BAY	2021	9	405	161	Trees (2),Animal (2),Forced Outage/Emergency (1),Lightning (1),Planned/Scheduled (1),No Specific Cause Found (1),Equipment Failure (1)
EAST BAY	2022	9	27	18	Animal (6),Trees (2),No Specific Cause Found (1)
EAST BAY	2023	15	966	271	Animal (6),Equipment Failure (3),Lightning (2),Forced Outage/Emergency (1)
EAST BAY	2024	12	937	221	Animal (5),Car/Pole Accident (2),Trees (2),Equipment Failure (1),Weather (1),No Specific Cause Found (1)
PARKWAY	2020	38	1,542	1,169	Equipment Failure (11),Planned/Scheduled (10),Weather (7),Car/Pole Accident (5),Animal (3),Trees (1),Public Damage (1)
PARKWAY	2021	33	1,222	706	Planned/Scheduled (8),Equipment Failure (6),Trees (6),Unique Incident (5),Weather (3),Car/Pole Accident (3),Animal (1),Bird (1)
PARKWAY	2022	33	2,951	1,593	Weather (12),Equipment Failure (8),Trees (6),Trees - Outside ROW (3),Car/Pole Accident (2),No Specific Cause Found (2)
PARKWAY	2023	32	10,503	4,554	Trees (7),Weather (7),Car/Pole Accident (6),Equipment Failure (4),Public Damage (3),No Specific Cause Found (2),Unique Incident (1),Animal (1),Lightning (1)
PARKWAY	2024	23	6,787	1,636	Trees (10),Equipment Failure (5),Public Damage (2),Weather (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Unique Incident (1),No Specific Cause Found (1)
UNIVERSITY	2020	7	475	193	Planned/Scheduled (2),Equipment Failure (2),Animal (2),Bird (1)
UNIVERSITY	2021	13	82	41	Planned/Scheduled (6),Unique Incident (2),Equipment Failure (2),No Specific Cause Found (2),Forced Outage/Emergency (1)
UNIVERSITY	2022	7	98	12	Animal (2),Weather (2),Equipment Failure (2),No Specific Cause Found (1)
UNIVERSITY	2023	8	642	325	Animal (4),Equipment Failure (3),Trees (1)
UNIVERSITY	2024	3	23	3	Trees (2),No Specific Cause Found (1)
HOGAN ROAD	2020	69	20,297	6,100	Trees (18),Equipment Failure (13),Weather (9),Planned/Scheduled (9),No Specific Cause Found (6),Unique Incident (4),Forced Outage/Emergency (3),Animal (2),Car/Pole Accident (2),Trees - Outside ROW (2),Bird (1)
HOGAN ROAD	2021	153	32,492	5,817	Trees (61),Planned/Scheduled (20),Equipment Failure (17),Weather (15),Animal (10),No Specific Cause Found (4),Bird (2),Lightning (2),Public Damage (1),Unique Incident (1)
HOGAN ROAD	2022	56	14,130	2,725	Trees (15),Equipment Failure (10),No Specific Cause Found (9),Animal (4),Weather (4),Unique Incident (3),Forced Outage/Emergency (3),Bird (3),Public Damage (2),Lightning (2),Car/Pole Accident (1)
HOGAN ROAD	2023	62	34,660	7,656	Trees (25),Equipment Failure (15),Weather (4),No Specific Cause Found (4),Forced Outage/Emergency (2),Animal (2),Unique Incident (1),Bird (1)
HOGAN ROAD	2024	66	12,639	3,026	Equipment Failure (17),Trees (15),Animal (5),Unique Incident (4),Weather (4),No Specific Cause Found (3),Forced Outage/Emergency (3),Car/Pole Accident (3),Trees - Outside ROW (3),Lightning (3),Bird (3),Public Damage (3)
WALKER	2020	70	8,429	4,105	Animal (28),Trees (17),Equipment Failure (9),Trees - Outside ROW (3),Unique Incident (3),Weather (2),Planned/Scheduled (2),Public Damage (1),Car/Pole Accident (1),Public Tree Trimming (1),Lightning (1),Bird (1),No Specific Cause Found (1)
WALKER	2021	80	7,686	5,397	Planned/Scheduled (21),Trees (15),Animal (15),Equipment Failure (12),Car/Pole Accident (4),Weather (3),Lightning (3),Unique Incident (3),Forced Outage/Emergency (2),Trees - Outside ROW (2)
WALKER	2022	69	2,275	1,150	Animal (21),Equipment Failure (21),No Specific Cause Found (10),Unique Incident (4),Public Damage (4),Trees (3),Bird (2),Weather (2),Car/Pole Accident (1),Forced Outage/Emergency (1)
WALKER	2023	68	10,007	2,464	Animal (20),Trees (12),Equipment Failure (10),Car/Pole Accident (6),Unique Incident (5),No Specific Cause Found (5),Weather (5),Trees - Outside ROW (3),Forced Outage/Emergency (1),Public Damage (1)
WALKER	2024	77	11,332	5,173	Animal (24),No Specific Cause Found (19),Trees (15),Equipment Failure (7),Forced Outage/Emergency (5),Trees - Outside ROW (3),Weather (3),Car/Pole Accident (1)

DEAN ROAD	2020	180	24,326	5,373	Trees (41),Equipment Failure (40),Animal (32),No Specific Cause Found (23),Weather (16),Planned/Scheduled (10),Forced Outage/Emergency (6),Unique Incident (3),Lightning (3),Car/Pole Accident (3),Trees - Outside ROW (3)
DEAN ROAD	2021	270	34,090	6,716	Trees (99),Equipment Failure (40),Animal (33),Weather (27),No Specific Cause Found (24),Planned/Scheduled (17),Forced Outage/Emergency (7),Trees - Outside ROW (6),Unique Incident (5),Public Damage (5),Bird (4),Lightning (3)
DEAN ROAD	2022	206	33,583	10,339	Equipment Failure (43),Trees (41),Animal (41),No Specific Cause Found (39),Weather (15),Forced Outage/Emergency (13),Unique Incident (5),Bird (4),Car/Pole Accident (2),Lightning (2),Trees - Outside ROW (1)
DEAN ROAD	2023	144	30,503	5,268	Trees (32),Animal (28),Equipment Failure (24),No Specific Cause Found (22),Weather (17),Unique Incident (6),Lightning (5),Bird (5),Trees - Outside ROW (4),Public Damage (1)
DEAN ROAD	2024	182	37,392	4,819	Trees (42),Animal (38),Equipment Failure (28),No Specific Cause Found (26),Weather (18),Forced Outage/Emergency (11),Unique Incident (6),Trees - Outside ROW (5),Bird (4),Public Damage (3),Lightning (2),Public Tree Trimming (1)
WALNUT	2020	16	1,243	438	Equipment Failure (5),Trees (5),Unique Incident (3),Planned/Scheduled (1),Animal (1),Bird (1)
WALNUT	2021	28	1,966	954	Trees (15),Equipment Failure (3),Animal (3),Forced Outage/Emergency (3),Public Tree Trimming (1),Planned/Scheduled (1),Trees - Outside ROW (1),Weather (1)
WALNUT	2022	21	2,674	546	Forced Outage/Emergency (5),Trees (5),Equipment Failure (3),Car/Pole Accident (2),Weather (2),Unique Incident (2),Trees - Outside ROW (1),Animal (1)
WALNUT	2023	17	790	283	Trees (8),Equipment Failure (5),Animal (3),Public Damage (1)
WALNUT	2024	30	5,877	2,156	Trees (12),Forced Outage/Emergency (7),Weather (3),No Specific Cause Found (3),Unique Incident (2),Animal (1),Car/Pole Accident (1),Equipment Failure (1)
MAGNUS	2020	63	2,574	860	Trees (22),Equipment Failure (11),No Specific Cause Found (7),Planned/Scheduled (5),Weather (4),Lightning (4),Bird (3),Trees - Outside ROW (2),Forced Outage/Emergency (2),Car/Pole Accident (2),Animal (1)
MAGNUS	2021	74	11,770	2,777	Trees (33),Equipment Failure (9),Trees - Outside ROW (8),Lightning (4),Weather (4),Planned/Scheduled (4),Animal (3),Car/Pole Accident (3),Unique Incident (2),No Specific Cause Found (2),Forced Outage/Emergency (1),Public Damage (1)
MAGNUS	2022	53	2,362	1,085	Equipment Failure (23),Trees (12),No Specific Cause Found (7),Unique Incident (2),Animal (2),Lightning (2),Public Damage (2),Trees - Outside ROW (1),Weather (1),Forced Outage/Emergency (1)
MAGNUS	2023	42	4,955	2,127	Equipment Failure (13),Trees (13),Trees - Outside ROW (5),No Specific Cause Found (4),Forced Outage/Emergency (3),Weather (2),Animal (1),Car/Pole Accident (1)
MAGNUS	2024	47	2,319	709	Trees (14),Weather (7),No Specific Cause Found (6),Equipment Failure (5),Animal (4),Unique Incident (4),Car/Pole Accident (3),Trees - Outside ROW (1),Forced Outage/Emergency (1),Public Tree Trimming (1),Lightning (1)
INGHAM	2020	28	7,834	2,535	Planned/Scheduled (13),Equipment Failure (8),Trees (5),Weather (1),Unique Incident (1)
INGHAM	2021	23	3,363	895	Unique Incident (7),Equipment Failure (6),Planned/Scheduled (4),Trees (2),Car/Pole Accident (2),Weather (2)
INGHAM	2022	10	170	196	Equipment Failure (6),Trees (2),Weather (1),Public Damage (1)
INGHAM	2023	9	3,113	487	Weather (3),Trees (2),Car/Pole Accident (1),Unique Incident (1),Equipment Failure (1),No Specific Cause Found (1)
INGHAM	2024	16	2,079	1,075	Unique Incident (4),No Specific Cause Found (4),Equipment Failure (4),Animal (2),Trees (1),Public Tree Trimming (1)
FERGUSON	2020	67	6,165	1,154	Trees (32),Equipment Failure (11),Planned/Scheduled (6),No Specific Cause Found (6),Forced Outage/Emergency (3),Animal (3),Weather (3),Trees - Outside ROW (2),Unique Incident (1)
FERGUSON	2021	38	2,576	702	Trees (16),No Specific Cause Found (6),Equipment Failure (4),Trees - Outside ROW (4),Weather (3),Animal (2),Planned/Scheduled (2),Forced Outage/Emergency (1)
FERGUSON	2022	51	8,322	1,871	Equipment Failure (14),Trees (13),Weather (9),Unique Incident (8),No Specific Cause Found (6),Lightning (1)
FERGUSON	2023	55	8,900	1,422	Trees (20),Weather (13),Equipment Failure (7),No Specific Cause Found (5),Unique Incident (3),Car/Pole Accident (2),Trees - Outside ROW (2),Forced Outage/Emergency (1),Animal (1),Public Tree Trimming (1)
FERGUSON	2024	49	6,815	3,699	Trees (20),Weather (8),No Specific Cause Found (7),Equipment Failure (5),Animal (4),Forced Outage/Emergency (2),Unique Incident (1),Car/Pole Accident (1),Trees - Outside ROW (1)
BOWEN	2020	31	724	312	Equipment Failure (9),Animal (6),Planned/Scheduled (4),Trees (4),No Specific Cause Found (3),Forced Outage/Emergency (2),Unique Incident (1),Public Damage (1),Bird (1)
BOWEN	2021	22	897	527	No Specific Cause Found (4),Planned/Scheduled (4),Equipment Failure (4),Trees (3),Animal (2),Unique Incident (2),Forced Outage/Emergency (1),Weather (1),Public Damage (1)
BOWEN	2022	47	12,195	5,119	Equipment Failure (14),Trees (10),Animal (9),Car/Pole Accident (4),No Specific Cause Found (3),Forced Outage/Emergency (3),Unique Incident (2),Weather (2)
BOWEN	2023	39	3,454	802	Animal (13),Equipment Failure (10),Car/Pole Accident (3),Weather (3),Forced Outage/Emergency (3),Unique Incident (2),Trees (2),Bird (1),Public Damage (1),No Specific Cause Found (1)
BOWEN	2024	38	10,805	3,860	Animal (14),Equipment Failure (6),No Specific Cause Found (5),Trees (4),Forced Outage/Emergency (4),Unique Incident (2),Public Damage (2),Weather (1)
STEVENS	2020	13	431	135	Animal (7),Equipment Failure (5),No Specific Cause Found (1)
STEVENS	2021	20	1,323	892	Animal (5),Unique Incident (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Planned/Scheduled (2),Equipment Failure (2),Trees (2),Weather (1)
STEVENS	2022	26	1,062	437	Animal (12),Car/Pole Accident (4),Equipment Failure (4),No Specific Cause Found (3),Forced Outage/Emergency (1),Unique Incident (1),Weather (1)
STEVENS	2023	10	1,159	468	Animal (4),No Specific Cause Found (2),Trees (2),Equipment Failure (1),Car/Pole Accident (1)
STEVENS	2024	27	1,916	680	Animal (14),Equipment Failure (4),No Specific Cause Found (3),Trees (2),Unique Incident (3),Weather (1),Forced Outage/Emergency (1)
MICHIGAN	2020	33	7,139	4,239	Forced Outage/Emergency (6),Planned/Scheduled (6),Equipment Failure (6),Car/Pole Accident (6),Animal (4),Trees (2),Unique Incident (1),Weather (1),No Specific Cause Found (1)
MICHIGAN	2021	28	2,340	1,713	Trees (8),Animal (7),Equipment Failure (3),Forced Outage/Emergency (3),Unique Incident (3),Weather (2),Planned/Scheduled (1),No Specific Cause Found (1)
MICHIGAN	2022	32	1,420	1,745	Trees (16),Animal (7),Car/Pole Accident (2),Equipment Failure (2),No Specific Cause Found (2),Public Damage (1),Lightning (1),Forced Outage/Emergency (1)
MICHIGAN	2023	32	1,813	474	Trees (10),Equipment Failure (7),Animal (7),No Specific Cause Found (3),Unique Incident (2),Car/Pole Accident (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
MICHIGAN	2024	38	5,703	2,246	Animal (13),Trees (8),Weather (4),Unique Incident (3),Equipment Failure (3),No Specific Cause Found (3),Transmission/Generation (2),Forced Outage/Emergency (1),Trees - Outside ROW (1)
MARTIN	2020	37	2,663	679	Equipment Failure (10),Planned/Scheduled (9),Trees (7),No Specific Cause Found (7),Lightning (2),Public Tree Trimming (1),Trees - Outside ROW (1)
MARTIN	2021	46	6,978	1,538	Trees (13),Trees - Outside ROW (8),Equipment Failure (7),Weather (5),No Specific Cause Found (5),Planned/Scheduled (3),Lightning (2),Public Tree Trimming (1),Animal (1),Unique Incident (1)
MARTIN	2022	59	3,806	1,111	Trees (16),No Specific Cause Found (14),Lightning (9),Weather (8),Equipment Failure (5),Public Damage (3),Trees - Outside ROW (2),Animal (1),Unique Incident (1)
MARTIN	2023	47	3,936	1,429	Trees (16),Trees - Outside ROW (7),No Specific Cause Found (7),Weather (6),Animal (3),Unique Incident (3),Lightning (2),Forced Outage/Emergency (2),Bird (1)
MARTIN	2024	61	7,045	2,465	No Specific Cause Found (22),Trees (14),Equipment Failure (7),Trees - Outside ROW (5),Bird (3),Animal (3),Weather (2),Unique Incident (2),Lightning (1),Forced Outage/Emergency (1),Car/Pole Accident (1)
MESICK	2020	70	11,412	3,913	Trees - Outside ROW (21),Trees (12),Equipment Failure (6),Planned/Scheduled (6),Weather (6),No Specific Cause Found (5),Unique Incident (3),Forced Outage/Emergency (3),Lightning (3),Public Tree Trimming (2),Animal (2),Car/Pole Accident (1)
MESICK	2021	78	6,962	2,574	Trees (25),Equipment Failure (16),Trees - Outside ROW (7),Weather (5),Unique Incident (5),Planned/Scheduled (5),Lightning (4),No Specific Cause Found (4),Animal (3),Car/Pole Accident (2),Forced Outage/Emergency (1),Bird (1)
MESICK	2022	61	7,240	2,968	Equipment Failure (20),Trees (11),Trees - Outside ROW (8),Animal (4),Forced Outage/Emergency (4),Unique Incident (4),No Specific Cause Found (4),Weather (3),Lightning (3)
MESICK	2023	75	12,839	5,431	Weather (23),Equipment Failure (12),Trees - Outside ROW (9),Unique Incident (8),No Specific Cause Found (7),Trees (5),Animal (3),Lightning (3),Forced Outage/Emergency (2),Public Damage (1),Car/Pole Accident (1)
MESICK	2024	56	14,082	4,291	Trees (14),Equipment Failure (12),Trees - Outside ROW (9),No Specific Cause Found (5),Unique Incident (3),Lightning (3),Weather (3),Animal (2),Public Damage (2),Bird (2),Forced Outage/Emergency (1)
SCOTTVILLE	2020	61	28,252	5,021	Equipment Failure (22),Trees (12),Animal (8),No Specific Cause Found (7),Planned/Scheduled (4),Trees - Outside ROW (2),Weather (2),Bird (1),Public Damage (1),Forced Outage/Emergency (1),Lightning (1)
SCOTTVILLE	2021	66	6,428	2,312	Trees (20),Equipment Failure (16),Animal (9),Trees - Outside ROW (7),No Specific Cause Found (6),Bird (2),Public Damage (2),Lightning (2),Car/Pole Accident (1),Weather (1)
SCOTTVILLE	2022	42	2,139	870	Equipment Failure (16),Animal (8),Trees (7),Weather (3),Trees - Outside ROW (3),No Specific Cause Found (3),Lightning (1),Unique Incident (1)
SCOTTVILLE	2023	42	4,045	1,784	No Specific Cause Found (10),Equipment Failure (9),Animal (8),Trees (6),Trees - Outside ROW (4),Weather (3),Bird (1),Lightning (1)
SCOTTVILLE	2024	46	11,721	4,002	Equipment Failure (12),Trees (9),No Specific Cause Found (9),Unique Incident (5),Animal (4),Trees - Outside ROW (4),Weather (1),Bird (1),Forced Outage/Emergency (1)
COLLEGE PARK	2020	72	2,613	1,633	No Specific Cause Found (23),Equipment Failure (18),Animal (13),Planned/Scheduled (9),Unique Incident (4),Public Damage (2),Trees (1),Weather (1),Forced Outage/Emergency (1)
COLLEGE PARK	2021	61	2,075	1,974	No Specific Cause Found (19),Animal (13),Trees (11),Equipment Failure (8),Planned/Scheduled (4),Weather (3),Unique Incident (2),Forced Outage/Emergency (1)
COLLEGE PARK	2022	46	939	515	No Specific Cause Found (13),Animal (12),Equipment Failure (7),Unique Incident (4),Weather (3),Trees (3),Trees - Outside ROW (2),Car/Pole Accident (1),Public Tree Trimming (1)
COLLEGE PARK	2023	82	8,247	4,298	Trees (33),No Specific Cause Found (15),Equipment Failure (11),Animal (7),Weather (6),Forced Outage/Emergency (3),Trees - Outside ROW (2),Car/Pole Accident (2),Public Damage (1),Bird (1),Unique Incident (1)
COLLEGE PARK	2024	47	6,088	413	No Specific Cause Found (20),Animal (20),Forced Outage/Emergency (4),Equipment Failure (2),Trees (1)
SPRING ARBOR	2020	66	6,298	2,355	Equipment Failure (27),Planned/Scheduled (15),No Specific Cause Found (9),Trees (8),Weather (2),Forced Outage/Emergency (1),Public Tree Trimming (1),Car/Pole Accident (1),Animal (1),Unique Incident (1)
SPRING ARBOR	2021	63	4,469	4,168	Equipment Failure (24),Trees (15),No Specific Cause Found (10),Planned/Scheduled (6),Trees - Outside ROW (6),Unique Incident (4),Weather (4),Forced Outage/Emergency (2),Public Damage (1),Lightning (1)
SPRING ARBOR	2022	62	9,319	1,881	Trees (20),No Specific Cause Found (11),Equipment Failure (10),Weather (7),Unique Incident (4),Lightning (5),Animal (2)
SPRING ARBOR	2023	43	2,386	857	Equipment Failure (18),Trees (9),Weather (6),Animal (4),No Specific Cause Found (4),Public Damage (1),Bird (1)
SPRING ARBOR	2024	54	12,965	3,294	Equipment Failure (17),Trees (14),No Specific Cause Found (7),Weather (6),Trees - Outside ROW (4),Animal (3),Unique Incident (2),Forced Outage/Emergency (1)
PORT CALCITE	2020	35	1,503	1,456	Animal (16),Planned/Scheduled (6),Equipment Failure (5),Trees (3),No Specific Cause Found (2),Unique Incident (1),Car/Pole Accident (1),Trees - Outside ROW (1)
PORT CALCITE	2021	24	792	329	Animal (9),No Specific Cause Found (6),Planned/Scheduled (3),Trees - Outside ROW (3),Trees (1),Weather (1),Equipment Failure (1)
PORT CALCITE	2022	17	20,127	2,973	Trees (5),Equipment Failure (4),No Specific Cause Found (4),Animal (3),Forced Outage/Emergency (1)
PORT CALCITE	2023	17	1,749	388	Equipment Failure (5),Animal (4),No Specific Cause Found (3),Trees - Outside ROW (2),Lightning (1),Unique Incident (1),Trees (1)
PORT CALCITE	2024	22	1,797	649	Equipment Failure (8),Animal (7),Trees (3),Trees - Outside ROW (3),No Specific Cause Found (1)
WALDO	2020	64	6,417	3,779	Trees (24),Equipment Failure (13),Forced Outage/Emergency (8),Weather (6),Planned/Scheduled (6),Unique Incident (4),Public Damage (1),Animal (1),No Specific Cause Found (1)
WALDO	2021	48	7,464	1,964	Trees (19),Planned/Scheduled (11),Equipment Failure (6),Unique Incident (6),Forced Outage/Emergency (5),Animal (1)
WALDO	2022	51	8,927	2,693	Trees (24),Equipment Failure (11),Forced Outage/Emergency (11),Animal (2),Weather (1),Transmission/Generation (1),No Specific Cause Found (1)
WALDO	2023	19	21,254	2,242	Trees (11),Equipment Failure (5),Weather (1),Unique Incident (1),No Specific Cause Found (1)
WALDO	2024	36	5,704	1,806	Trees (16),Weather (5),No Specific Cause Found (4),Unique Incident (3),Forced Outage/Emergency (3),Trees - Outside ROW (2),Equipment Failure (2),Animal (1)
BARNARD	2020	42	1,741	459	Trees (15),Forced Outage/Emergency (6),Planned/Scheduled (5),No Specific Cause Found (5),Weather (5),Equipment Failure (5),Car/Pole Accident (2),Trees - Outside ROW (1),Animal (1),Public Damage (1)
BARNARD	2021	48	3,153	1,446	Planned/Scheduled (16),Trees (11),Equipment Failure (7),Car/Pole Accident (6),Forced Outage/Emergency (4),Unique Incident (2),Trees - Outside ROW (1),Weather (1)
BARNARD	2022	44	8,435	2,562	Trees (12),Equipment Failure (12),Weather (8),Unique Incident (4),Forced Outage/Emergency (3),No Specific Cause Found (3),Car/Pole Accident (2)
BARNARD	2023	24	40,574	5,977	Equipment Failure (11),Trees (5),No Specific Cause Found (4),Unique Incident (1),Animal (1),Car/Pole Accident (1),Weather (1)
BARNARD	2024	21	2,312	533	Trees (8),Equipment Failure (4),Car/Pole Accident (2),Unique Incident (2),No Specific Cause Found (1),Forced Outage/Emergency (1),Weather (1),Animal (1),Trees - Outside ROW (1)
THAYER	2020	114	4,033	1,403	Planned/Scheduled (72),Equipment Failure (15),Trees (12),Weather (9),Forced Outage/Emergency (2),No Specific Cause Found (2),Unique Incident (1),Animal (1)
THAYER	2021	33	3,288	851	Trees (12),Weather (5),Unique Incident (4),Forced Outage/Emergency (4),Equipment Failure (4),Planned/Scheduled (2),Car/Pole Accident (2)
THAYER	2022	32	771	236	No Specific Cause Found (6),Trees (6),Car/Pole Accident (6),Equipment Failure (4),Weather (4),Forced Outage/Emergency (4),Unique Incident (2)

THAYER	2023	28	24,692	5,429	Trees (8),Transmission/Generation (5),Equipment Failure (4),Trees - Outside ROW (4),Forced Outage/Emergency (3),Weather (2),Unique Incident (2)
THAYER	2024	19	997	1,103	Trees (8),Weather (2),Trees - Outside ROW (2),Forced Outage/Emergency (2),Unique Incident (1),No Specific Cause Found (1),Equipment Failure (1),Public Damage (1),Car/Pole Accident (1)
MAYNARD	2020	16	1,936	735	Trees (6),Animal (3),Equipment Failure (2),Weather (2),Lightning (1),Trees - Outside ROW (1),No Specific Cause Found (1)
MAYNARD	2021	13	1,793	219	Trees (5),Weather (3),Equipment Failure (2),Animal (1),Trees - Outside ROW (1),Planned/Scheduled (1)
MAYNARD	2022	12	1,456	488	Trees (7),Equipment Failure (3),Animal (1),No Specific Cause Found (1)
MAYNARD	2023	10	872	374	Trees (7),Weather (1),No Specific Cause Found (1),Trees - Outside ROW (1)
MAYNARD	2024	26	897	228	Trees (9),No Specific Cause Found (7),Animal (3),Equipment Failure (3),Trees - Outside ROW (2),Transmission/Generation (1),Weather (1)
BURLINGAME	2020	81	8,485	3,196	Planned/Scheduled (21),Animal (18),Trees (13),Equipment Failure (9),Forced Outage/Emergency (5),No Specific Cause Found (4),Car/Pole Accident (4),Weather (3),Lightning (2),Public Tree Trimming (1),Unique Incident (1)
BURLINGAME	2021	91	15,867	11,187	Planned/Scheduled (17),Equipment Failure (14),Trees (13),Animal (12),Car/Pole Accident (8),Unique Incident (7),No Specific Cause Found (7),Public Damage (5),Weather (3),Transmission/Generation (2),Trees - Outside ROW (2),Bird (1)
BURLINGAME	2022	71	17,239	8,565	Equipment Failure (25),Trees (15),Animal (15),No Specific Cause Found (5),Unique Incident (4),Weather (3),Public Damage (3),Forced Outage/Emergency (1)
BURLINGAME	2023	49	4,226	3,351	Animal (16),Equipment Failure (12),Unique Incident (5),Car/Pole Accident (5),Trees (3),No Specific Cause Found (3),Trees - Outside ROW (2),Forced Outage/Emergency (2),Public Tree Trimming (1)
BURLINGAME	2024	53	8,074	4,055	Animal (13),Equipment Failure (8),Car/Pole Accident (6),No Specific Cause Found (6),Forced Outage/Emergency (6),Trees (5),Unique Incident (4),Weather (4),Trees - Outside ROW (1)
LAINGSBURG	2020	69	4,055	1,636	Trees (17),Weather (12),Equipment Failure (11),Planned/Scheduled (10),Animal (5),Public Damage (4),Car/Pole Accident (3),No Specific Cause Found (3),Bird (2),Trees - Outside ROW (1),Unique Incident (1)
LAINGSBURG	2021	77	23,656	5,923	Equipment Failure (23),Trees (18),Planned/Scheduled (10),Unique Incident (9),Weather (5),Trees - Outside ROW (5),No Specific Cause Found (5),Lightning (1),Forced Outage/Emergency (1)
LAINGSBURG	2022	47	3,487	1,161	Equipment Failure (13),Trees (10),Unique Incident (8),Weather (4),Trees - Outside ROW (4),No Specific Cause Found (4),Animal (3),Public Damage (1)
LAINGSBURG	2023	56	8,825	2,633	Trees (17),Equipment Failure (16),Unique Incident (8),Animal (4),No Specific Cause Found (3),Trees - Outside ROW (3),Forced Outage/Emergency (2),Weather (2),Public Damage (1)
LAINGSBURG	2024	38	3,368	623	Trees (11),Equipment Failure (8),Weather (5),No Specific Cause Found (5),Unique Incident (5),Animal (2),Trees - Outside ROW (1),Lightning (1)
EIGHT POINT	2020	128	15,427	5,633	Trees (47),Equipment Failure (24),Animal (20),Planned/Scheduled (8),Forced Outage/Emergency (6),Unique Incident (6),No Specific Cause Found (5),Weather (3),Car/Pole Accident (2),Trees - Outside ROW (2),Bird (2),Lightning (2),Public Tree Trimming (1)
EIGHT POINT	2021	97	9,646	4,401	Trees (40),Equipment Failure (18),No Specific Cause Found (11),Planned/Scheduled (7),Animal (7),Unique Incident (5),Forced Outage/Emergency (3),Weather (2),Trees - Outside ROW (1),Public Damage (1),Public Tree Trimming (1),Transmission/Generation (1)
EIGHT POINT	2022	139	64,717	15,036	Trees - Outside ROW (63),Trees (28),Equipment Failure (21),No Specific Cause Found (9),Animal (8),Weather (5),Unique Incident (3),Forced Outage/Emergency (1),Lightning (1)
EIGHT POINT	2023	75	15,480	8,137	Unique Incident (20),Trees (14),No Specific Cause Found (11),Animal (10),Trees - Outside ROW (10),Equipment Failure (6),Lightning (2),Forced Outage/Emergency (1),Weather (1)
EIGHT POINT	2024	92	20,177	4,575	Weather (24),Trees (19),Trees - Outside ROW (13),Animal (11),Equipment Failure (9),No Specific Cause Found (6),Lightning (4),Unique Incident (4),Forced Outage/Emergency (2)
MONA LAKE	2020	64	3,059	3,476	Animal (22),Trees (12),Equipment Failure (8),No Specific Cause Found (6),Planned/Scheduled (5),Unique Incident (4),Forced Outage/Emergency (2),Lightning (2),Bird (2),Weather (1),Trees - Outside ROW (1)
MONA LAKE	2021	67	3,281	1,508	Trees (21),Planned/Scheduled (14),Equipment Failure (13),Animal (6),Weather (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Trees - Outside ROW (1),Car/Pole Accident (1),Unique Incident (1),Lightning (1),Bird (1)
MONA LAKE	2022	69	1,504	867	Animal (33),Equipment Failure (11),No Specific Cause Found (10),Trees (9),Trees - Outside ROW (2),Forced Outage/Emergency (2),Public Damage (1),Car/Pole Accident (1)
MONA LAKE	2023	113	5,974	4,566	Animal (39),Trees (24),Equipment Failure (20),No Specific Cause Found (16),Trees - Outside ROW (4),Unique Incident (2),Forced Outage/Emergency (2),Weather (2),Public Damage (1),Car/Pole Accident (1),Public Tree Trimming (1),Bird (1)
MONA LAKE	2024	72	2,462	1,522	Animal (19),Trees (18),Weather (11),Equipment Failure (10),No Specific Cause Found (5),Forced Outage/Emergency (4),Trees - Outside ROW (3),Unique Incident (1),Public Tree Trimming (1)
DONTZ ROAD	2020	49	6,060	1,560	Trees (16),Animal (7),Equipment Failure (7),Trees - Outside ROW (6),Planned/Scheduled (5),No Specific Cause Found (4),Forced Outage/Emergency (2),Unique Incident (1),Weather (1)
DONTZ ROAD	2021	57	4,072	1,601	Trees (14),Equipment Failure (12),No Specific Cause Found (9),Lightning (4),Planned/Scheduled (4),Animal (4),Weather (3),Public Damage (2),Trees - Outside ROW (2),Forced Outage/Emergency (2),Unique Incident (1)
DONTZ ROAD	2022	44	8,187	1,342	Trees (15),No Specific Cause Found (12),Equipment Failure (8),Trees - Outside ROW (4),Animal (3),Unique Incident (1),Lightning (1)
DONTZ ROAD	2023	32	4,181	1,813	Trees (10),Equipment Failure (8),No Specific Cause Found (4),Animal (4),Weather (3),Trees - Outside ROW (2),Unique Incident (1)
DONTZ ROAD	2024	47	9,997	1,998	Animal (13),Trees - Outside ROW (6),Trees (6),Weather (6),Car/Pole Accident (4),No Specific Cause Found (4),Equipment Failure (3),Forced Outage/Emergency (2),Unique Incident (1),Public Damage (1),Lightning (1)
TEXAS	2020	51	3,275	1,348	Equipment Failure (17),Trees (14),Planned/Scheduled (5),Lightning (5),No Specific Cause Found (5),Trees - Outside ROW (3),Weather (1),Unique Incident (1)
TEXAS	2021	65	8,265	2,461	Trees (37),No Specific Cause Found (7),Planned/Scheduled (6),Equipment Failure (4),Trees - Outside ROW (6),Public Damage (3),Weather (2),Lightning (1),Forced Outage/Emergency (1),Unique Incident (1)
TEXAS	2022	50	4,054	1,217	Trees (22),Equipment Failure (11),Animal (7),Weather (5),Public Damage (2),Bird (1),Trees - Outside ROW (1),Unique Incident (1)
TEXAS	2023	43	3,006	1,107	Trees (18),Equipment Failure (11),Trees - Outside ROW (4),Weather (3),Unique Incident (2),No Specific Cause Found (2),Bird (1),Animal (1),Car/Pole Accident (1)
TEXAS	2024	64	6,254	2,806	Trees (26),Trees - Outside ROW (11),Weather (7),No Specific Cause Found (5),Equipment Failure (5),Animal (3),Lightning (3),Unique Incident (2),Forced Outage/Emergency (1),Public Damage (1)
LESLIE	2020	23	1,727	703	Trees (7),Equipment Failure (7),Planned/Scheduled (3),No Specific Cause Found (2),Unique Incident (2),Weather (1),Trees - Outside ROW (1)
LESLIE	2021	23	1,815	388	Equipment Failure (8),Trees (5),Animal (4),Weather (2),No Specific Cause Found (2),Lightning (1),Planned/Scheduled (1)
LESLIE	2022	69	5,580	1,571	Equipment Failure (25),No Specific Cause Found (13),Animal (9),Trees (7),Weather (6),Trees - Outside ROW (5),Unique Incident (2),Public Damage (1),Bird (1)
LESLIE	2023	38	2,719	644	Trees (12),No Specific Cause Found (10),Weather (5),Equipment Failure (3),Transmission/Generation (2),Unique Incident (2),Animal (2),Trees - Outside ROW (1),Bird (1)
LESLIE	2024	31	1,164	1,864	Equipment Failure (13),Animal (5),Weather (3),No Specific Cause Found (3),Trees (2),Trees - Outside ROW (2),Lightning (1),Unique Incident (1),Bird (1)
FRANKENMUTH	2020	35	2,998	1,565	Equipment Failure (13),Trees (5),Planned/Scheduled (4),Weather (3),Forced Outage/Emergency (3),Unique Incident (2),Animal (2),Car/Pole Accident (1),Trees - Outside ROW (1),Bird (1)
FRANKENMUTH	2021	28	5,258	1,217	Equipment Failure (9),Trees (8),Planned/Scheduled (3),Forced Outage/Emergency (2),No Specific Cause Found (2),Unique Incident (2),Weather (1),Trees - Outside ROW (1)
FRANKENMUTH	2022	20	332	73	Equipment Failure (6),Weather (5),No Specific Cause Found (2),Trees (2),Forced Outage/Emergency (1),Car/Pole Accident (1),Trees - Outside ROW (1),Bird (1),Animal (1)
FRANKENMUTH	2023	13	1,389	237	Equipment Failure (8),No Specific Cause Found (3),Unique Incident (1),Public Damage (1)
FRANKENMUTH	2024	26	5,948	1,226	Trees (9),Equipment Failure (6),No Specific Cause Found (6),Unique Incident (3),Forced Outage/Emergency (1),Weather (1)
RED ARROW	2020	101	27,499	8,347	Trees (39),Equipment Failure (22),Planned/Scheduled (10),Weather (9),No Specific Cause Found (6),Forced Outage/Emergency (5),Unique Incident (3),Animal (2),Bird (2),Trees - Outside ROW (2),Public Damage (1),Public Tree Trimming (1),Car/Pole Accident (1),Transmission/Generation (1)
RED ARROW	2021	145	7,860	2,242	Trees (55),Equipment Failure (25),Planned/Scheduled (20),Forced Outage/Emergency (14),Unique Incident (8),Weather (7),Public Damage (4),Animal (4),No Specific Cause Found (3),Car/Pole Accident (3),Trees - Outside ROW (2)
RED ARROW	2022	84	11,462	5,060	Trees (23),Equipment Failure (21),Forced Outage/Emergency (12),Unique Incident (9),Weather (8),No Specific Cause Found (6),Animal (3),Car/Pole Accident (1),Public Damage (1)
RED ARROW	2023	91	22,512	6,898	Trees (18),Weather (16),No Specific Cause Found (16),Equipment Failure (15),Unique Incident (15),Forced Outage/Emergency (5),Public Damage (3),Animal (2),Lightning (1)
RED ARROW	2024	43	10,606	2,630	Trees (11),Forced Outage/Emergency (8),No Specific Cause Found (7),Equipment Failure (6),Weather (3),Animal (3),Trees - Outside ROW (2),Public Damage (1),Unique Incident (1),Lightning (1)
PINE RIVER	2020	39	1,968	792	Trees (10),Planned/Scheduled (8),Equipment Failure (6),Forced Outage/Emergency (5),Trees - Outside ROW (5),Weather (3),Animal (1),Lightning (1)
PINE RIVER	2021	62	8,967	3,229	Planned/Scheduled (16),Trees (14),Equipment Failure (11),Weather (9),Unique Incident (6),Forced Outage/Emergency (2),Trees - Outside ROW (2),Animal (1),Lightning (1)
PINE RIVER	2022	36	2,407	1,011	Equipment Failure (14),Trees (11),No Specific Cause Found (4),Animal (3),Unique Incident (2),Weather (1),Lightning (1)
PINE RIVER	2023	33	1,982	704	Trees (13),Equipment Failure (9),Weather (4),Lightning (2),Animal (2),No Specific Cause Found (2),Car/Pole Accident (1)
PINE RIVER	2024	24	406	215	Trees (7),Equipment Failure (6),Animal (3),Forced Outage/Emergency (3),Unique Incident (2),No Specific Cause Found (2),Trees - Outside ROW (1)
FULTON	2020	35	4,299	986	Animal (11),Equipment Failure (7),Trees - Outside ROW (5),Trees (4),Planned/Scheduled (4),No Specific Cause Found (2),Public Tree Trimming (1),Unique Incident (1)
FULTON	2021	51	6,735	4,350	Equipment Failure (9),Public Damage (8),Animal (8),Trees (8),Planned/Scheduled (5),Lightning (4),Trees - Outside ROW (3),No Specific Cause Found (2),Forced Outage/Emergency (2),Unique Incident (1),Bird (1)
FULTON	2022	42	5,746	2,032	Animal (12),Equipment Failure (12),Trees - Outside ROW (7),Trees (4),No Specific Cause Found (3),Unique Incident (2),Weather (2)
FULTON	2023	51	1,744	2,512	Animal (16),Equipment Failure (15),Trees (6),Trees - Outside ROW (4),Weather (4),No Specific Cause Found (4),Unique Incident (1),Lightning (1)
FULTON	2024	38	2,469	2,462	Animal (16),Equipment Failure (6),No Specific Cause Found (6),Trees - Outside ROW (2),Forced Outage/Emergency (2),Public Damage (2),Trees (1)
WEBB ROAD	2020	42	4,398	1,508	Trees (15),Equipment Failure (11),Trees - Outside ROW (4),Planned/Scheduled (4),No Specific Cause Found (3),Unique Incident (1),Forced Outage/Emergency (1),Animal (1),Weather (1),Public Damage (1)
WEBB ROAD	2021	36	3,185	824	Trees (11),Planned/Scheduled (10),Trees - Outside ROW (7),Equipment Failure (5),Lightning (1),No Specific Cause Found (1),Unique Incident (1)
WEBB ROAD	2022	36	2,960	533	Trees (13),Equipment Failure (9),Weather (5),Trees - Outside ROW (4),Unique Incident (2),No Specific Cause Found (2),Car/Pole Accident (1)
WEBB ROAD	2023	19	4,573	1,876	Equipment Failure (8),Unique Incident (5),Trees - Outside ROW (3),Trees (2),No Specific Cause Found (1)
WEBB ROAD	2024	44	1,434	536	Trees (17),Equipment Failure (13),Weather (5),Trees - Outside ROW (4),Forced Outage/Emergency (3),Animal (1),Unique Incident (1)
WURTSMITH	2020	24	11,807	3,454	Equipment Failure (7),Trees (5),Planned/Scheduled (3),Trees - Outside ROW (2),Transmission/Generation (2),Unique Incident (1),Bird (1),No Specific Cause Found (1),Animal (1),Car/Pole Accident (1)
WURTSMITH	2021	53	7,916	1,791	Equipment Failure (23),Trees (7),Weather (5),Planned/Scheduled (4),Trees - Outside ROW (3),No Specific Cause Found (3),Public Damage (2),Unique Incident (2),Animal (2),Forced Outage/Emergency (1),Lightning (1)
WURTSMITH	2022	16	1,786	534	Trees (4),Unique Incident (3),Equipment Failure (3),Lightning (2),Forced Outage/Emergency (2),No Specific Cause Found (1),Weather (1)
WURTSMITH	2023	15	6,351	1,380	Trees (5),Equipment Failure (4),No Specific Cause Found (2),Trees - Outside ROW (2),Car/Pole Accident (1),Unique Incident (1)
WURTSMITH	2024	16	2,822	394	Unique Incident (4),Equipment Failure (4),Weather (3),Trees (2),Bird (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
YORKVILLE	2020	57	5,481	1,551	Trees (29),Equipment Failure (10),Planned/Scheduled (5),Trees - Outside ROW (5),Bird (3),Weather (2),No Specific Cause Found (2),Unique Incident (1)
YORKVILLE	2021	67	6,744	2,114	Trees (31),Equipment Failure (10),Unique Incident (5),Weather (5),Planned/Scheduled (4),Trees - Outside ROW (4),Car/Pole Accident (4),Animal (2),Public Damage (1),Forced Outage/Emergency (1)
YORKVILLE	2022	37	2,641	878	Trees (23),Equipment Failure (3),Weather (3),No Specific Cause Found (3),Bird (1),Animal (1),Car/Pole Accident (1),Unique Incident (1),Trees - Outside ROW (1)
YORKVILLE	2023	37	1,119	429	Trees (15),Equipment Failure (6),No Specific Cause Found (5),Weather (3),Trees - Outside ROW (2),Animal (2),Public Damage (1),Unique Incident (1)
YORKVILLE	2024	34	1,551	581	Trees (13),Trees - Outside ROW (6),Equipment Failure (5),Animal (3),Forced Outage/Emergency (3),No Specific Cause Found (3),Weather (1)
TINSMAN	2020	31	17,518	3,207	Equipment Failure (10),Trees (6),Animal (5),Planned/Scheduled (2),Weather (2),Forced Outage/Emergency (2),No Specific Cause Found (1),Public Damage (1),Car/Pole Accident (1),Bird (1)
TINSMAN	2021	33	10,045	1,079	Trees (12),Equipment Failure (5),Lightning (4),Unique Incident (3),Forced Outage/Emergency (3),Weather (2),Bird (1),No Specific Cause Found (1),Planned/Scheduled (1),Trees - Outside ROW (1)
TINSMAN	2022	33	13,436	3,670	Trees (8),No Specific Cause Found (6),Equipment Failure (6),Weather (5),Animal (2),Unique Incident (2),Forced Outage/Emergency (1),Lightning (1),Trees - Outside ROW (1),Public Damage (1)
TINSMAN	2023	15	8,262	1,813	Equipment Failure (5),Trees (5),No Specific Cause Found (2),Animal (2),Unique Incident (1)
TINSMAN	2024	25	7,270	2,122	Equipment Failure (11),Trees (6),Forced Outage/Emergency (2),Weather (2),No Specific Cause Found (2),Animal (1),Unique Incident (1)
MAPLE GROVE	2020	116	20,426	9,904	Equipment Failure (27),Trees (19),Animal (19),Planned/Scheduled (18),Weather (7),Trees - Outside ROW (6),Forced Outage/Emergency (5),Unique Incident (4),No Specific Cause Found (4),Car/Pole Accident (3),Public Damage (2),Bird (1),Public Tree Trimming (1)

MAPLE GROVE	2021	79	7,729	2,624 Equipment Failure (18),Trees (16),Planned/Scheduled (12),Animal (7),Car/Pole Accident (6),No Specific Cause Found (5),Public Damage (5),Forced Outage/Emergency (4),Weather (2),Trees - Outside ROW (2),Bird (1),Unique Incident (1)
MAPLE GROVE	2022	58	4,483	1,425 Animal (16),Equipment Failure (13),Trees (10),Trees - Outside ROW (5),Car/Pole Accident (4),Public Damage (4),Unique Incident (2),Weather (2),Forced Outage/Emergency (1),No Specific Cause Found (1)
MAPLE GROVE	2023	101	25,528	11,149 Trees (37),Animal (16),No Specific Cause Found (14),Equipment Failure (12),Weather (10),Forced Outage/Emergency (5),Trees - Outside ROW (3),Unique Incident (2),Bird (1),Car/Pole Accident (1)
MAPLE GROVE	2024	130	20,627	10,344 Trees (48),Equipment Failure (17),Weather (14),Forced Outage/Emergency (13),No Specific Cause Found (10),Animal (9),Trees - Outside ROW (7),Unique Incident (6),Bird (3),Public Damage (1),Car/Pole Accident (1),Lightning (1)
REYNOLDS	2020	53	9,776	3,140 Trees (16),Equipment Failure (13),Planned/Scheduled (6),Weather (3),No Specific Cause Found (3),Trees - Outside ROW (3),Animal (3),Lightning (2),Car/Pole Accident (2),Unique Incident (1),Public Damage (1)
REYNOLDS	2021	73	6,629	2,086 Trees (26),Equipment Failure (11),Planned/Scheduled (11),No Specific Cause Found (6),Weather (5),Forced Outage/Emergency (3),Animal (2),Public Tree Trimming (2),Trees - Outside ROW (2),Public Damage (1),Bird (1),Unique Incident (1),Car/Pole Accident (1),Lightning (1)
REYNOLDS	2022	93	9,183	4,742 Trees (26),No Specific Cause Found (15),Equipment Failure (14),Animal (12),Weather (12),Trees - Outside ROW (7),Unique Incident (3),Forced Outage/Emergency (2),Public Damage (1),Bird (1)
REYNOLDS	2023	101	10,892	2,827 Trees (21),Weather (21),No Specific Cause Found (15),Equipment Failure (15),Animal (7),Unique Incident (5),Trees - Outside ROW (3),Car/Pole Accident (2),Forced Outage/Emergency (1),Lightning (1)
REYNOLDS	2024	71	7,425	2,048 Trees (20),Equipment Failure (13),Weather (10),No Specific Cause Found (9),Animal (7),Trees - Outside ROW (4),Unique Incident (4),Car/Pole Accident (2),Forced Outage/Emergency (1),Lightning (1)
CHEYENNE	2020	56	4,231	1,098 Trees (21),Equipment Failure (12),Planned/Scheduled (10),No Specific Cause Found (4),Forced Outage/Emergency (3),Unique Incident (2),Weather (2),Car/Pole Accident (1),Animal (1)
CHEYENNE	2021	84	8,332	3,066 Trees (36),Planned/Scheduled (17),Weather (11),Equipment Failure (8),Unique Incident (4),Forced Outage/Emergency (4),No Specific Cause Found (3),Animal (1)
CHEYENNE	2022	45	24,758	7,776 Trees (13),Forced Outage/Emergency (7),Equipment Failure (7),Animal (6),Weather (6),Unique Incident (3),No Specific Cause Found (3)
CHEYENNE	2023	36	10,514	5,683 Equipment Failure (14),Trees (6),No Specific Cause Found (4),Unique Incident (3),Animal (2),Car/Pole Accident (2),Weather (1),Trees - Outside ROW (1),Lightning (1),Public Damage (1),Forced Outage/Emergency (1)
CHEYENNE	2024	27	6,930	2,865 Trees (7),No Specific Cause Found (6),Equipment Failure (6),Weather (2),Forced Outage/Emergency (2),Unique Incident (2),Trees - Outside ROW (1),Animal (1)
BEHNKE	2020	48	4,257	941 Trees (18),Equipment Failure (10),Weather (5),Planned/Scheduled (3),Unique Incident (3),Trees - Outside ROW (2),No Specific Cause Found (2),Public Damage (2),Car/Pole Accident (1),Forced Outage/Emergency (1),Animal (1)
BEHNKE	2021	57	10,755	2,367 Trees (15),Equipment Failure (13),Weather (11),Trees - Outside ROW (6),No Specific Cause Found (3),Planned/Scheduled (2),Unique Incident (2),Bird (2),Public Damage (1),Car/Pole Accident (1),Lightning (1)
BEHNKE	2022	22	3,485	1,393 Trees (7),Equipment Failure (5),Weather (4),Unique Incident (2),Car/Pole Accident (1),Animal (1),Bird (1),No Specific Cause Found (1)
BEHNKE	2023	27	478	334 No Specific Cause Found (9),Trees (5),Weather (3),Equipment Failure (3),Bird (2),Unique Incident (1),Trees - Outside ROW (1),Lightning (1),Animal (1),Forced Outage/Emergency (1)
BEHNKE	2024	49	4,547	1,124 Equipment Failure (10),No Specific Cause Found (10),Trees (9),Weather (8),Trees - Outside ROW (5),Unique Incident (3),Animal (2),Public Tree Trimming (1),Forced Outage/Emergency (1)
BEDFORD	2020	74	6,077	2,125 Trees (38),Equipment Failure (18),Planned/Scheduled (4),No Specific Cause Found (4),Animal (2),Trees - Outside ROW (2),Weather (2),Lightning (1),Public Damage (1),Car/Pole Accident (1),Unique Incident (1)
BEDFORD	2021	72	5,160	2,028 Trees (24),Equipment Failure (23),Weather (8),Lightning (5),Planned/Scheduled (5),No Specific Cause Found (5),Unique Incident (1),Trees - Outside ROW (1)
BEDFORD	2022	43	5,852	1,335 Trees (12),Equipment Failure (9),Trees - Outside ROW (9),Weather (5),No Specific Cause Found (4),Lightning (3),Car/Pole Accident (1)
BEDFORD	2023	48	2,062	636 Trees (15),Trees - Outside ROW (10),Equipment Failure (9),Weather (6),Animal (4),No Specific Cause Found (2),Public Damage (1),Unique Incident (1)
BEDFORD	2024	65	3,263	1,136 Trees (19),Trees - Outside ROW (14),No Specific Cause Found (8),Equipment Failure (7),Forced Outage/Emergency (5),Animal (4),Lightning (3),Unique Incident (2),Weather (2),Public Damage (1)
LOVELL	2020	11	575	201 Planned/Scheduled (4),Equipment Failure (3),Trees (2),Animal (1),Unique Incident (1)
LOVELL	2021	21	1,590	167 Weather (7),No Specific Cause Found (5),Trees (4),Equipment Failure (3),Trees - Outside ROW (1),Planned/Scheduled (1)
LOVELL	2022	10	1,637	480 Equipment Failure (6),No Specific Cause Found (2),Trees (1),Weather (1)
LOVELL	2023	7	171	117 Equipment Failure (3),No Specific Cause Found (2),Trees (1),Unique Incident (1)
LOVELL	2024	6	74	60 Equipment Failure (3),Animal (1),Bird (1),No Specific Cause Found (1)
JUDD ROAD	2020	71	45,942	5,411 Equipment Failure (27),Trees (13),Forced Outage/Emergency (10),Animal (7),Weather (4),Planned/Scheduled (3),Transmission/Generation (2),No Specific Cause Found (2),Car/Pole Accident (1),Trees - Outside ROW (1),Public Damage (1)
JUDD ROAD	2021	69	6,631	1,843 Trees (18),Equipment Failure (16),Forced Outage/Emergency (8),Planned/Scheduled (8),Weather (5),No Specific Cause Found (5),Animal (4),Unique Incident (4),Car/Pole Accident (1)
JUDD ROAD	2022	56	8,591	1,647 Equipment Failure (13),No Specific Cause Found (11),Weather (6),Trees (6),Unique Incident (5),Animal (5),Forced Outage/Emergency (4),Public Damage (3),Public Tree Trimming (2),Car/Pole Accident (1)
JUDD ROAD	2023	51	7,350	1,811 Trees (20),Equipment Failure (9),No Specific Cause Found (8),Unique Incident (5),Weather (4),Animal (3),Car/Pole Accident (1),Trees - Outside ROW (1),Bird (1),Forced Outage/Emergency (1)
JUDD ROAD	2024	85	12,568	2,897 Trees (32),Equipment Failure (18),No Specific Cause Found (10),Forced Outage/Emergency (9),Weather (8),Unique Incident (7),Animal (2),Public Damage (1),Trees - Outside ROW (1)
JASPER	2020	24	2,138	855 Equipment Failure (8),Planned/Scheduled (4),Trees (3),Car/Pole Accident (3),Unique Incident (2),Animal (1),Lightning (1),Forced Outage/Emergency (1),Weather (1)
JASPER	2021	38	1,618	406 Trees (12),Equipment Failure (11),Weather (6),Lightning (4),Unique Incident (2),Planned/Scheduled (1),Animal (1),Trees - Outside ROW (1)
JASPER	2022	28	2,035	1,239 Equipment Failure (15),Trees (3),Weather (2),Bird (2),Unique Incident (2),Forced Outage/Emergency (1),Public Damage (1),Lightning (1),Car/Pole Accident (1)
JASPER	2023	13	402	250 Trees (5),Equipment Failure (3),No Specific Cause Found (2),Lightning (1),Weather (1),Animal (1)
JASPER	2024	34	1,174	522 Trees (14),Equipment Failure (11),No Specific Cause Found (4),Animal (2),Public Damage (1),Bird (1),Weather (1)
SPRINKLE	2020	3	138	87 Equipment Failure (2),No Specific Cause Found (1)
SPRINKLE	2021	7	29	11 Weather (3),Equipment Failure (2),Car/Pole Accident (1),Trees (1)
SPRINKLE	2022	4	70	81 No Specific Cause Found (1),Animal (1),Weather (1),Lightning (1)
SPRINKLE	2023	4	18	8 Trees (1),Equipment Failure (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
SPRINKLE	2024	14	5,882	1,062 No Specific Cause Found (3),Weather (3),Trees (2),Equipment Failure (1),Animal (1),Trees - Outside ROW (1),Forced Outage/Emergency (1),Lightning (1),Unique Incident (1)
CURTIS	2020	29	1,997	1,108 Trees (12),Equipment Failure (6),No Specific Cause Found (4),Unique Incident (2),Trees - Outside ROW (2),Weather (1),Planned/Scheduled (1),Car/Pole Accident (1)
CURTIS	2021	35	2,390	993 Trees (11),Trees - Outside ROW (7),Equipment Failure (6),Planned/Scheduled (4),No Specific Cause Found (3),Forced Outage/Emergency (1),Bird (1),Animal (1),Public Damage (1)
CURTIS	2022	7	401	161 Equipment Failure (4),Trees (2),Forced Outage/Emergency (1)
CURTIS	2023	15	1,072	517 No Specific Cause Found (7),Trees (6),Equipment Failure (1),Bird (1)
CURTIS	2024	19	4,101	762 Trees (6),No Specific Cause Found (4),Trees - Outside ROW (3),Weather (2),Equipment Failure (2),Public Damage (1),Unique Incident (1)
STANTON	2020	35	4,229	2,419 Trees (21),Equipment Failure (4),Transmission/Generation (2),Planned/Scheduled (2),Forced Outage/Emergency (1),Unique Incident (1),Weather (1),No Specific Cause Found (1),Public Damage (1),Animal (1)
STANTON	2021	48	3,481	2,173 Trees (15),Planned/Scheduled (9),No Specific Cause Found (8),Equipment Failure (7),Weather (4),Bird (2),Unique Incident (1),Lightning (1),Forced Outage/Emergency (1)
STANTON	2022	31	6,792	2,758 Trees (8),No Specific Cause Found (7),Equipment Failure (4),Unique Incident (3),Animal (2),Trees - Outside ROW (2),Weather (2),Public Tree Trimming (1),Bird (1),Transmission/Generation (1)
STANTON	2023	38	8,859	2,198 Trees (17),Equipment Failure (5),No Specific Cause Found (5),Unique Incident (3),Weather (3),Car/Pole Accident (3),Animal (1),Lightning (1)
STANTON	2024	36	3,686	2,016 Trees (11),No Specific Cause Found (10),Trees - Outside ROW (9),Equipment Failure (4),Weather (1),Forced Outage/Emergency (1)
SCIOPIO	2020	37	1,338	392 Trees (13),Equipment Failure (9),No Specific Cause Found (6),Planned/Scheduled (3),Unique Incident (3),Trees - Outside ROW (2),Animal (1)
SCIOPIO	2021	63	10,572	2,037 Trees (20),Equipment Failure (11),Weather (11),No Specific Cause Found (7),Unique Incident (5),Planned/Scheduled (3),Trees - Outside ROW (2),Public Damage (1),Animal (1),Public Tree Trimming (1),Bird (1)
SCIOPIO	2022	59	5,463	2,816 No Specific Cause Found (16),Equipment Failure (15),Trees (8),Weather (6),Forced Outage/Emergency (3),Lightning (3),Trees - Outside ROW (3),Unique Incident (2),Animal (1),Car/Pole Accident (1),Public Damage (1)
SCIOPIO	2023	67	15,018	2,794 Trees (24),Weather (12),Equipment Failure (10),No Specific Cause Found (8),Trees - Outside ROW (5),Lightning (2),Animal (2),Unique Incident (2),Forced Outage/Emergency (2)
SCIOPIO	2024	54	10,945	1,484 No Specific Cause Found (17),Trees (14),Weather (12),Equipment Failure (5),Animal (3),Trees - Outside ROW (1),Public Damage (1),Unique Incident (1)
DEWEY	2021	61	38,088	6,513 Animal (18),Planned/Scheduled (11),Equipment Failure (11),Trees (10),Weather (4),No Specific Cause Found (3),Forced Outage/Emergency (2),Lightning (1),Unique Incident (1)
DEWEY	2022	76	3,778	2,599 No Specific Cause Found (20),Planned/Scheduled (16),Equipment Failure (13),Unique Incident (9),Trees (6),Animal (6),Public Damage (2),Weather (2),Lightning (1),Trees - Outside ROW (1)
DEWEY	2023	60	11,265	7,851 Animal (18),Trees (14),Weather (7),No Specific Cause Found (7),Forced Outage/Emergency (6),Unique Incident (6),Forced Outage/Emergency (4),Car/Pole Accident (2),Trees - Outside ROW (1),Transmission/Generation (1),Lightning (1)
DEWEY	2023	55	16,688	10,762 Animal (24),No Specific Cause Found (10),Trees (7),Equipment Failure (6),Weather (9),Trees - Outside ROW (1),Forced Outage/Emergency (1),Unique Incident (1)
DEWEY	2024	62	34,673	11,289 Animal (15),No Specific Cause Found (9),Equipment Failure (9),Weather (8),Forced Outage/Emergency (5),Car/Pole Accident (4),Trees - Outside ROW (4),Trees (3),Unique Incident (3),Bird (1),Public Damage (1)
KEATING	2020	82	32,679	14,685 Trees (17),Car/Pole Accident (15),Animal (14),Planned/Scheduled (13),Equipment Failure (11),Trees - Outside ROW (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Unique Incident (1),Public Damage (1),Lightning (1),Weather (1)
KEATING	2021	71	17,561	5,860 Animal (24),Equipment Failure (16),Trees (9),Trees - Outside ROW (6),No Specific Cause Found (5),Forced Outage/Emergency (5),Planned/Scheduled (4),Car/Pole Accident (2)
KEATING	2022	71	2,765	1,525 Animal (26),Trees (15),Equipment Failure (12),No Specific Cause Found (9),Trees - Outside ROW (4),Weather (3),Forced Outage/Emergency (1),Unique Incident (1)
KEATING	2023	107	4,780	2,942 Trees (40),Animal (29),No Specific Cause Found (15),Equipment Failure (8),Car/Pole Accident (4),Trees - Outside ROW (4),Weather (4),Lightning (1),Unique Incident (1),Forced Outage/Emergency (1)
KEATING	2024	64	2,858	1,967 Animal (24),Trees (16),Equipment Failure (6),No Specific Cause Found (6),Forced Outage/Emergency (3),Weather (3),Unique Incident (3),Trees - Outside ROW (1),Lightning (1),Bird (1)
APPLETON	2020	70	7,227	2,160 Planned/Scheduled (21),Animal (13),Trees (12),Equipment Failure (10),Public Damage (3),Weather (3),Lightning (2),Public Tree Trimming (2),Unique Incident (1),Trees - Outside ROW (1),No Specific Cause Found (1),Transmission/Generation (1)
APPLETON	2021	31	1,798	1,302 Animal (11),Equipment Failure (10),Trees (5),Forced Outage/Emergency (2),Unique Incident (1),Planned/Scheduled (1),Trees - Outside ROW (1)
APPLETON	2022	25	1,817	1,340 Trees (6),Animal (5),Equipment Failure (4),No Specific Cause Found (4),Forced Outage/Emergency (2),Weather (2),Trees - Outside ROW (1),Public Tree Trimming (1)
APPLETON	2023	32	1,061	386 Animal (8),No Specific Cause Found (7),Trees (5),Equipment Failure (4),Trees - Outside ROW (2),Weather (2),Forced Outage/Emergency (2),Unique Incident (2)
APPLETON	2024	32	802	354 Animal (16),No Specific Cause Found (6),Equipment Failure (5),Trees (2),Bird (1),Forced Outage/Emergency (1),Trees - Outside ROW (1)
GREENBUSH	2020	43	8,411	3,807 Equipment Failure (20),Trees (9),Planned/Scheduled (7),Weather (2),No Specific Cause Found (2),Animal (1),Trees - Outside ROW (1),Unique Incident (1)
GREENBUSH	2021	59	26,996	3,889 Trees (16),Planned/Scheduled (15),Equipment Failure (10),Trees - Outside ROW (6),Weather (5),No Specific Cause Found (4),Unique Incident (2),Public Damage (1)
GREENBUSH	2022	23	523	204 Equipment Failure (9),Trees - Outside ROW (5),Unique Incident (4),Trees (2),Weather (1),Animal (1),No Specific Cause Found (1)
GREENBUSH	2023	13	4,418	743 Equipment Failure (6),Lightning (3),Unique Incident (2),Public Tree Trimming (1),Trees (1)
GREENBUSH	2024	32	25,870	3,071 Equipment Failure (8),Trees (7),Unique Incident (4),Animal (4),Weather (4),No Specific Cause Found (2),Trees - Outside ROW (2),Forced Outage/Emergency (1)
FOX FARM	2020	48	4,861	1,850 Animal (19),Trees (10),Equipment Failure (10),Planned/Scheduled (3),No Specific Cause Found (2),Trees - Outside ROW (2),Public Damage (1),Unique Incident (1)
FOX FARM	2021	48	7,177	2,555 Animal (15),Equipment Failure (10),No Specific Cause Found (6),Trees (6),Trees - Outside ROW (4),Weather (4),Unique Incident (1),Planned/Scheduled (1),Lightning (1)
FOX FARM	2022	74	6,516	2,762 Trees (23),Animal (17),Equipment Failure (16),Weather (6),No Specific Cause Found (4),Trees - Outside ROW (3),Lightning (2),Unique Incident (1),Forced Outage/Emergency (1),Public Damage (1)
FOX FARM	2023	52	2,127	1,327 Animal (30),Equipment Failure (7),No Specific Cause Found (6),Trees - Outside ROW (3),Trees (2),Forced Outage/Emergency (1),Public Damage (1),Weather (1),Lightning (1)

FOX FARM	2024	53	5,621	2,596 Animal (22),Trees (9),Equipment Failure (9),No Specific Cause Found (4),Car/Pole Accident (3),Forced Outage/Emergency (2),Unique Incident (1),Trees - Outside ROW (1),Public Damage (1),Weather (1)
FOUNTAIN	2020	3	4	3 Equipment Failure (2),Planned/Scheduled (1)
FOUNTAIN	2021	7	225	82 Equipment Failure (4),Planned/Scheduled (2),Trees (1)
FOUNTAIN	2022	2	24	11 Equipment Failure (2)
FOUNTAIN	2024	11	382	132 Unique Incident (10),Equipment Failure (1)
WESTPHALIA	2020	19	648	164 Equipment Failure (6),Trees (4),Planned/Scheduled (3),Animal (2),Trees - Outside ROW (1),No Specific Cause Found (1)
WESTPHALIA	2021	18	2,283	497 Trees (4),Public Damage (3),Equipment Failure (3),No Specific Cause Found (3),Weather (2),Lightning (1),Animal (1),Planned/Scheduled (1)
WESTPHALIA	2022	11	163	82 Equipment Failure (6),Lightning (2),No Specific Cause Found (1),Animal (1),Weather (1)
WESTPHALIA	2023	38	1,316	465 Weather (23),Trees (11),No Specific Cause Found (2),Equipment Failure (1),Animal (1)
WESTPHALIA	2024	17	2,171	775 Equipment Failure (5),Trees (4),No Specific Cause Found (2),Forced Outage/Emergency (2),Unique Incident (1),Lightning (1),Weather (1),Public Damage (1)
WISNER	2020	18	114	84 Weather (7),Trees (5),No Specific Cause Found (4),Animal (1),Planned/Scheduled (1)
WISNER	2021	24	442	185 Planned/Scheduled (5),No Specific Cause Found (4),Equipment Failure (4),Weather (3),Trees (3),Car/Pole Accident (2),Unique Incident (1),Forced Outage/Emergency (1),Trees - Outside ROW (1)
WISNER	2022	18	1,320	244 Trees (7),Weather (4),No Specific Cause Found (3),Trees - Outside ROW (2),Public Damage (1),Animal (1)
WISNER	2023	29	1,707	244 Trees (13),Weather (5),Equipment Failure (4),Unique Incident (2),Forced Outage/Emergency (2),Trees - Outside ROW (1),Bird (1),No Specific Cause Found (1)
WISNER	2024	29	9,288	2,755 No Specific Cause Found (15),Trees (6),Equipment Failure (4),Bird (3),Weather (1)
HONOR	2020	117	12,245	5,318 Trees (40),Equipment Failure (35),No Specific Cause Found (12),Planned/Scheduled (8),Animal (7),Lightning (5),Trees - Outside ROW (5),Weather (2),Public Damage (1),Unique Incident (1),Car/Pole Accident (1)
HONOR	2021	123	29,765	6,212 Trees (51),Equipment Failure (15),Planned/Scheduled (13),Animal (11),Trees - Outside ROW (9),No Specific Cause Found (8),Unique Incident (5),Weather (5),Lightning (3),Forced Outage/Emergency (2),Car/Pole Accident (1)
HONOR	2022	155	29,958	6,309 Trees (67),Equipment Failure (31),No Specific Cause Found (21),Animal (16),Trees - Outside ROW (10),Weather (5),Unique Incident (3),Car/Pole Accident (1),Forced Outage/Emergency (1)
HONOR	2023	83	17,913	6,905 Trees (37),Equipment Failure (13),Weather (8),Unique Incident (6),Animal (6),No Specific Cause Found (5),Trees - Outside ROW (4),Lightning (2),Public Damage (1),Forced Outage/Emergency (1)
HONOR	2024	145	16,721	4,408 Trees (52),Animal (25),Equipment Failure (21),Trees - Outside ROW (13),Weather (11),No Specific Cause Found (11),Forced Outage/Emergency (10),Unique Incident (1),Lightning (1)
ALTO	2020	62	6,782	1,714 Trees (16),Equipment Failure (13),Animal (8),Weather (7),Trees - Outside ROW (5),Public Damage (4),No Specific Cause Found (4),Planned/Scheduled (2),Lightning (1),Forced Outage/Emergency (1),Bird (1)
ALTO	2021	71	24,989	10,409 Trees (19),Planned/Scheduled (14),Trees - Outside ROW (11),Equipment Failure (9),No Specific Cause Found (7),Animal (5),Unique Incident (3),Public Damage (1),Lightning (1),Weather (1)
ALTO	2022	47	1,791	959 Equipment Failure (15),Trees (7),Trees - Outside ROW (6),Animal (6),No Specific Cause Found (6),Weather (2),Bird (2),Car/Pole Accident (1),Public Damage (1),Unique Incident (1)
ALTO	2023	80	5,741	2,691 Weather (22),Equipment Failure (16),Trees (11),Animal (8),Trees - Outside ROW (7),Lightning (4),No Specific Cause Found (4),Unique Incident (3),Public Tree Trimming (2),Forced Outage/Emergency (2),Public Damage (1)
ALTO	2024	68	6,916	1,908 Weather (17),Animal (16),Equipment Failure (14),Trees (10),Trees - Outside ROW (4),Unique Incident (2),Lightning (2),No Specific Cause Found (2),Forced Outage/Emergency (1)
SEIDEL	2020	24	1,106	905 Planned/Scheduled (13),Equipment Failure (4),Forced Outage/Emergency (3),Public Damage (1),No Specific Cause Found (1),Unique Incident (1),Trees (1)
SEIDEL	2021	15	887	402 Planned/Scheduled (5),Equipment Failure (3),Forced Outage/Emergency (2),Animal (2),No Specific Cause Found (1),Trees (1),Weather (1)
SEIDEL	2022	21	1,907	341 Equipment Failure (7),Animal (5),Trees (4),No Specific Cause Found (3),Forced Outage/Emergency (1),Trees - Outside ROW (1)
SEIDEL	2023	17	17,809	5,225 Animal (5),Trees (3),Equipment Failure (3),No Specific Cause Found (2),Trees - Outside ROW (2),Lightning (1),Bird (1)
SEIDEL	2024	16	1,429	413 Equipment Failure (6),Weather (6),No Specific Cause Found (2),Unique Incident (1),Trees (1)
MIDDLEVILLE	2020	47	9,509	1,662 Trees (19),Planned/Scheduled (8),Equipment Failure (7),No Specific Cause Found (5),Lightning (3),Trees - Outside ROW (2),Car/Pole Accident (1),Public Damage (1),Forced Outage/Emergency (1)
MIDDLEVILLE	2021	66	25,313	6,571 Trees (19),Planned/Scheduled (16),Equipment Failure (14),No Specific Cause Found (6),Weather (4),Animal (3),Trees - Outside ROW (3),Unique Incident (1)
MIDDLEVILLE	2022	62	3,813	1,698 Trees (16),Equipment Failure (14),Animal (9),No Specific Cause Found (6),Unique Incident (5),Trees - Outside ROW (3),Lightning (2),Car/Pole Accident (2),Public Damage (2),Weather (2),Bird (1)
MIDDLEVILLE	2023	40	9,892	1,149 Trees (15),Equipment Failure (8),Weather (3),Animal (3),Trees - Outside ROW (3),No Specific Cause Found (3),Unique Incident (2),Forced Outage/Emergency (1),Lightning (1)
MIDDLEVILLE	2024	59	5,557	2,269 Trees (20),No Specific Cause Found (9),Animal (3),Equipment Failure (2),Bird (1),Forced Outage/Emergency (1),Trees - Outside ROW (1),Unique Incident (1),Weather (1)
RAVINE	2020	49	23,079	6,195 Trees (17),Equipment Failure (15),Planned/Scheduled (7),No Specific Cause Found (5),Car/Pole Accident (5),Weather (3),Unique Incident (2),Bird (1),Forced Outage/Emergency (1)
RAVINE	2021	58	14,384	5,998 Trees (16),Weather (14),Planned/Scheduled (9),Equipment Failure (8),Animal (4),Car/Pole Accident (3),No Specific Cause Found (2),Lightning (1),Public Damage (1)
RAVINE	2022	47	6,785	2,083 Equipment Failure (13),Trees (12),Weather (6),Animal (4),Unique Incident (3),No Specific Cause Found (3),Car/Pole Accident (2),Public Damage (2),Trees - Outside ROW (1),Lightning (1)
RAVINE	2023	38	3,488	1,544 Trees (16),Animal (5),Equipment Failure (4),Weather (3),Car/Pole Accident (2),Forced Outage/Emergency (2),No Specific Cause Found (2),Unique Incident (2),Lightning (1),Trees - Outside ROW (1)
RAVINE	2024	43	7,222	2,952 Equipment Failure (14),Trees (13),No Specific Cause Found (6),Unique Incident (2),Animal (2),Trees - Outside ROW (2),Car/Pole Accident (1),Public Damage (1),Forced Outage/Emergency (1),Lightning (1)
LANDWER	2020	5	31	28 Animal (3),Equipment Failure (1),Forced Outage/Emergency (1)
LANDWER	2021	5	336	92 Equipment Failure (3),Trees (1),Planned/Scheduled (1)
LANDWER	2022	4	85	17 Trees (1),Trees - Outside ROW (1),Animal (1),Weather (1)
LANDWER	2023	5	19	11 Animal (4),Equipment Failure (1)
LANDWER	2024	6	125	20 Animal (3),Weather (2),Trees (1)
GRAYLING	2020	55	5,559	1,555 Equipment Failure (20),Planned/Scheduled (14),Trees (11),Lightning (2),Forced Outage/Emergency (2),Trees - Outside ROW (2),Car/Pole Accident (1),Unique Incident (1),Weather (1),No Specific Cause Found (1)
GRAYLING	2021	59	29,462	4,357 Equipment Failure (18),Trees (14),No Specific Cause Found (7),Trees - Outside ROW (6),Planned/Scheduled (4),Public Damage (3),Forced Outage/Emergency (3),Car/Pole Accident (1)
GRAYLING	2022	50	3,779	1,539 Equipment Failure (22),No Specific Cause Found (10),Trees (8),Car/Pole Accident (2),Animal (2),Weather (2),Forced Outage/Emergency (2),Public Damage (1),Trees - Outside ROW (1)
GRAYLING	2023	32	1,263	533 Equipment Failure (13),No Specific Cause Found (4),Forced Outage/Emergency (3),Trees (3),Animal (3),Weather (1),Public Tree Trimming (1),Lightning (1),Bird (1),Trees - Outside ROW (1),Public Damage (1)
GRAYLING	2024	55	8,457	3,834 Trees (19),No Specific Cause Found (15),Forced Outage/Emergency (5),Equipment Failure (5),Car/Pole Accident (3),Lightning (3),Unique Incident (1),Trees - Outside ROW (1),Animal (1),Weather (1),Bird (1)
ANTRIM	2020	31	2,071	687 Equipment Failure (6),Animal (6),Planned/Scheduled (5),No Specific Cause Found (5),Trees (3),Forced Outage/Emergency (1),Unique Incident (1),Trees - Outside ROW (1),Bird (1),Lightning (1),Weather (1)
ANTRIM	2021	37	15,167	5,588 Equipment Failure (10),Animal (8),Trees (6),Planned/Scheduled (4),Trees - Outside ROW (3),Weather (2),No Specific Cause Found (2),Unique Incident (1),Car/Pole Accident (1)
ANTRIM	2022	46	23,922	1,976 Animal (15),Equipment Failure (12),Trees (10),Trees - Outside ROW (3),No Specific Cause Found (3),Bird (1),Weather (1),Public Damage (1)
ANTRIM	2023	34	10,184	3,073 Animal (12),Equipment Failure (10),No Specific Cause Found (5),Trees - Outside ROW (3),Weather (2),Trees (2)
ANTRIM	2024	33	3,647	1,086 Animal (14),Equipment Failure (8),Trees (6),No Specific Cause Found (3),Trees - Outside ROW (2)
BOYNE MTN	2020	2	3	2 Animal (2)
BOYNE MTN	2021	2	639	285 Planned/Scheduled (1),Equipment Failure (1)
BOYNE MTN	2022	1	6	1 Equipment Failure (1)
BOYNE MTN	2023	2	101	54 No Specific Cause Found (2)
BOYNE MTN	2024	1	899	248 Equipment Failure (1)
SWAN CREEK	2020	22	1,330	587 Trees (11),Equipment Failure (2),Weather (2),No Specific Cause Found (2),Trees - Outside ROW (2),Planned/Scheduled (2),Unique Incident (1)
SWAN CREEK	2021	34	5,712	810 Trees (16),Trees - Outside ROW (8),Trees (6),Equipment Failure (4),No Specific Cause Found (4),Weather (3),Planned/Scheduled (2),Animal (1)
SWAN CREEK	2022	37	1,722	521 Trees (19),Animal (4),Weather (3),No Specific Cause Found (3),Equipment Failure (3),Lightning (2),Trees - Outside ROW (1),Public Damage (1),Bird (1)
SWAN CREEK	2023	49	3,975	1,332 Trees (24),Weather (9),Trees - Outside ROW (8),Forced Outage/Emergency (3),No Specific Cause Found (2),Equipment Failure (2),Animal (1)
SWAN CREEK	2024	83	10,602	1,029 Trees (53),Trees - Outside ROW (8),No Specific Cause Found (8),Weather (7),Equipment Failure (2),Lightning (2),Animal (1),Forced Outage/Emergency (1),Unique Incident (1)
FIFTEEN MILE ROAD	2020	54	4,096	1,518 Equipment Failure (16),Trees (13),Weather (8),Animal (6),Trees - Outside ROW (3),No Specific Cause Found (3),Planned/Scheduled (2),Car/Pole Accident (2),Public Tree Trimming (1)
FIFTEEN MILE ROAD	2021	69	7,357	3,493 Equipment Failure (23),Trees (10),No Specific Cause Found (7),Planned/Scheduled (6),Animal (4),Lightning (4),Car/Pole Accident (3),Public Damage (3),Public Tree Trimming (2),Unique Incident (2),Trees - Outside ROW (2),Weather (2),Bird (1)
FIFTEEN MILE ROAD	2022	72	5,083	2,092 Equipment Failure (24),Animal (13),Weather (9),No Specific Cause Found (6),Trees (5),Trees - Outside ROW (5),Lightning (4),Bird (2),Transmission/Generation (2),Public Tree Trimming (1),Unique Incident (1)
FIFTEEN MILE ROAD	2023	61	7,858	3,841 Equipment Failure (15),Animal (9),Trees - Outside ROW (9),No Specific Cause Found (8),Trees (5),Weather (4),Public Damage (3),Public Tree Trimming (3),Bird (2),Unique Incident (2),Forced Outage/Emergency (1)
FIFTEEN MILE ROAD	2024	91	12,929	4,128 Weather (23),Trees (18),Equipment Failure (13),Animal (9),Trees - Outside ROW (7),No Specific Cause Found (7),Unique Incident (4),Bird (4),Lightning (3),Public Damage (2),Forced Outage/Emergency (1)
HARPER ROAD	2020	60	5,069	2,282 Equipment Failure (20),Trees (13),Planned/Scheduled (6),Animal (6),Car/Pole Accident (4),No Specific Cause Found (4),Lightning (3),Unique Incident (1),Weather (1),Forced Outage/Emergency (1),Bird (1)
HARPER ROAD	2021	94	25,512	7,213 Trees (37),Equipment Failure (24),Planned/Scheduled (10),Animal (7),Weather (5),No Specific Cause Found (4),Unique Incident (4),Lightning (2),Trees - Outside ROW (1)
HARPER ROAD	2022	71	5,568	1,821 Equipment Failure (23),Trees (21),No Specific Cause Found (9),Animal (7),Weather (3),Unique Incident (3),Forced Outage/Emergency (2),Public Damage (2),Lightning (1)
HARPER ROAD	2023	127	10,098	3,080 Trees (56),Weather (26),Equipment Failure (20),No Specific Cause Found (12),Animal (7),Trees - Outside ROW (3),Lightning (2),Unique Incident (1)
HARPER ROAD	2024	102	14,325	3,802 Trees (35),No Specific Cause Found (22),Equipment Failure (18),Animal (13),Weather (5),Forced Outage/Emergency (3),Bird (2),Public Damage (1),Trees - Outside ROW (1),Lightning (1),Unique Incident (1)
HAGADORN	2020	25	2,330	1,416 Equipment Failure (7),Trees (7),Planned/Scheduled (5),Animal (2),No Specific Cause Found (2),Unique Incident (1),Weather (1)
HAGADORN	2021	34	4,210	2,216 Equipment Failure (13),Planned/Scheduled (10),Trees (8),Car/Pole Accident (1),No Specific Cause Found (1),Unique Incident (1)
HAGADORN	2022	47	3,576	1,434 Equipment Failure (14),Trees (13),Animal (10),No Specific Cause Found (3),Public Damage (2),Lightning (2),Trees - Outside ROW (1),Unique Incident (1),Weather (1)
HAGADORN	2023	35	3,277	1,245 Trees (15),Equipment Failure (9),Weather (5),Animal (2),Public Damage (2),Car/Pole Accident (1),Trees - Outside ROW (1)
HAGADORN	2024	34	5,423	2,790 Equipment Failure (10),No Specific Cause Found (10),Trees (8),Forced Outage/Emergency (2),Unique Incident (1),Car/Pole Accident (1),Animal (1),Weather (1)
ALPINE	2020	47	5,922	817 Animal (20),Equipment Failure (10),Trees (6),Trees - Outside ROW (5),Planned/Scheduled (3),Public Damage (1),Bird (1),No Specific Cause Found (1)
ALPINE	2021	49	9,293	3,357 Trees (12),Equipment Failure (9),Animal (7),Planned/Scheduled (6),No Specific Cause Found (5),Public Damage (5),Car/Pole Accident (3),Bird (1),Weather (1)
ALPINE	2022	32	1,504	380 Animal (8),No Specific Cause Found (5),Equipment Failure (5),Unique Incident (4),Trees (3),Weather (2),Bird (1),Car/Pole Accident (1),Public Damage (1),Public Tree Trimming (1),Forced Outage/Emergency (1)

ALPINE	2023	47	3,903	380 Weather (12),Trees (12),Animal (11),Bird (3),Equipment Failure (3),Trees - Outside ROW (2),Unique Incident (2),Car/Pole Accident (1),No Specific Cause Found (1)
ALPINE	2024	38	1,442	554 Animal (18),Equipment Failure (7),No Specific Cause Found (4),Public Damage (2),Weather (2),Lightning (2),Trees - Outside ROW (1),Unique Incident (1),Trees (1)
FORDYCE	2020	23	1,077	309 Equipment Failure (7),Trees (5),Planned/Scheduled (5),Forced Outage/Emergency (4),Public Damage (1),Weather (1)
FORDYCE	2021	33	649	381 Equipment Failure (11),Trees (6),Planned/Scheduled (4),Animal (4),No Specific Cause Found (3),Bird (2),Public Damage (2),Weather (1)
FORDYCE	2022	18	1,926	815 Equipment Failure (6),Trees (5),Animal (2),Unique Incident (2),No Specific Cause Found (1),Bird (1),Car/Pole Accident (1)
FORDYCE	2023	26	14,595	5,307 Trees (9),Equipment Failure (8),Animal (4),Transmission/Generation (2),Unique Incident (1),Car/Pole Accident (1),No Specific Cause Found (1)
FORDYCE	2024	19	680	385 Trees (9),Equipment Failure (6),Animal (2),No Specific Cause Found (1),Car/Pole Accident (1)
MONTEREY	2020	31	3,000	570 Trees (9),No Specific Cause Found (5),Equipment Failure (5),Planned/Scheduled (5),Unique Incident (3),Animal (2),Lightning (1),Trees - Outside ROW (1)
MONTEREY	2021	32	7,602	965 Trees (9),No Specific Cause Found (8),Trees - Outside ROW (3),Unique Incident (3),Equipment Failure (3),Weather (2),Lightning (1),Planned/Scheduled (1),Car/Pole Accident (1),Public Tree Trimming (1)
MONTEREY	2022	25	2,066	722 Trees (10),No Specific Cause Found (6),Animal (2),Trees - Outside ROW (2),Weather (2),Equipment Failure (1),Lightning (1),Unique Incident (1)
MONTEREY	2023	28	2,957	1,578 Trees (11),Weather (4),No Specific Cause Found (4),Equipment Failure (3),Bird (2),Animal (2),Public Damage (1),Lightning (1)
MONTEREY	2024	25	2,041	785 Trees (8),No Specific Cause Found (4),Weather (3),Animal (2),Trees - Outside ROW (2),Equipment Failure (2),Lightning (2),Unique Incident (1),Forced Outage/Emergency (1)
DALE ROAD	2020	27	388	302 Equipment Failure (11),Trees (10),Forced Outage/Emergency (3),No Specific Cause Found (2),Weather (1)
DALE ROAD	2021	28	2,226	672 Trees (14),Weather (7),Planned/Scheduled (3),Equipment Failure (2),No Specific Cause Found (2)
DALE ROAD	2022	35	3,136	811 Trees (18),Weather (6),Equipment Failure (3),No Specific Cause Found (3),Unique Incident (2),Trees - Outside ROW (2),Public Damage (1)
DALE ROAD	2023	10	399	184 No Specific Cause Found (4),Trees (2),Trees - Outside ROW (2),Equipment Failure (1),Unique Incident (1)
DALE ROAD	2024	13	2,353	373 Trees - Outside ROW (3),Equipment Failure (3),Weather (2),No Specific Cause Found (2),Trees (2),Unique Incident (1)
NORTHERN FIBRE	2020	17	1,130	1,127 Trees (7),Equipment Failure (6),No Specific Cause Found (3),Planned/Scheduled (1)
NORTHERN FIBRE	2021	14	1,288	496 Equipment Failure (5),No Specific Cause Found (2),Trees (2),Weather (1),Lightning (1),Planned/Scheduled (1),Forced Outage/Emergency (1),Trees - Outside ROW (1)
NORTHERN FIBRE	2022	19	370	123 Public Damage (3),Trees (2),Trees - Outside ROW (2),Animal (2),Car/Pole Accident (2),No Specific Cause Found (2),Weather (1),Unique Incident (1),Forced Outage/Emergency (1),Bird (1),Lightning (1),Equipment Failure (1)
NORTHERN FIBRE	2023	25	875	254 Trees (9),Weather (6),No Specific Cause Found (3),Trees - Outside ROW (2),Animal (2),Unique Incident (2),Equipment Failure (1)
NORTHERN FIBRE	2024	30	2,066	657 No Specific Cause Found (11),Trees (5),Lightning (3),Weather (3),Equipment Failure (2),Animal (2),Public Tree Trimming (1),Public Damage (1),Unique Incident (1),Forced Outage/Emergency (1)
MULLINS	2020	34	3,413	1,807 Animal (9),Equipment Failure (5),No Specific Cause Found (5),Public Damage (4),Trees (4),Planned/Scheduled (3),Car/Pole Accident (1),Forced Outage/Emergency (1),Weather (1),Trees - Outside ROW (1)
MULLINS	2021	50	27,961	6,360 Planned/Scheduled (13),Equipment Failure (12),Animal (7),No Specific Cause Found (6),Trees (4),Weather (4),Trees - Outside ROW (1),Bird (1),Unique Incident (1),Public Damage (1)
MULLINS	2022	31	6,300	3,498 Equipment Failure (15),Animal (5),Trees (3),Unique Incident (2),No Specific Cause Found (2),Forced Outage/Emergency (1),Weather (1),Bird (1),Car/Pole Accident (1)
MULLINS	2023	52	11,451	2,836 No Specific Cause Found (18),Animal (14),Equipment Failure (10),Weather (4),Trees (2),Unique Incident (2),Lightning (1),Forced Outage/Emergency (1)
MULLINS	2024	44	5,477	2,613 Equipment Failure (9),Weather (8),No Specific Cause Found (8),Animal (8),Unique Incident (3),Trees - Outside ROW (3),Forced Outage/Emergency (2),Lightning (1),Bird (1),Trees (1)
JACKMAN	2020	127	9,233	4,485 Planned/Scheduled (51),Equipment Failure (31),Animal (14),Trees (9),No Specific Cause Found (7),Car/Pole Accident (6),Unique Incident (4),Trees - Outside ROW (2),Public Damage (2),Weather (1)
JACKMAN	2021	71	8,151	1,604 Animal (17),Trees (15),Planned/Scheduled (11),Equipment Failure (8),No Specific Cause Found (6),Unique Incident (3),Weather (3),Trees - Outside ROW (3),Car/Pole Accident (2),Public Tree Trimming (1),Public Damage (1),Forced Outage/Emergency (1)
JACKMAN	2022	69	13,916	3,498 Animal (18),Trees (15),No Specific Cause Found (11),Equipment Failure (9),Car/Pole Accident (6),Weather (4),Trees - Outside ROW (3),Unique Incident (2),Forced Outage/Emergency (1)
JACKMAN	2023	88	15,293	5,433 Trees (30),Animal (22),Equipment Failure (12),No Specific Cause Found (8),Forced Outage/Emergency (5),Weather (5),Trees - Outside ROW (3),Car/Pole Accident (2),Unique Incident (1)
JACKMAN	2024	173	13,928	5,130 No Specific Cause Found (106),Animal (18),Trees (16),Equipment Failure (13),Weather (11),Unique Incident (4),Forced Outage/Emergency (3),Trees - Outside ROW (1),Lightning (1)
CARLETON ROAD	2020	25	1,125	275 Equipment Failure (8),Trees (5),No Specific Cause Found (5),Trees - Outside ROW (3),Weather (2),Lightning (1),Planned/Scheduled (1)
CARLETON ROAD	2021	55	6,512	1,174 Trees (30),Trees - Outside ROW (6),No Specific Cause Found (5),Equipment Failure (4),Weather (2),Planned/Scheduled (1),Unique Incident (1)
CARLETON ROAD	2022	32	4,432	1,327 Trees (9),No Specific Cause Found (7),Equipment Failure (7),Trees - Outside ROW (4),Unique Incident (3),Forced Outage/Emergency (1),Lightning (1)
CARLETON ROAD	2023	31	2,302	718 Trees (14),Weather (6),Unique Incident (3),No Specific Cause Found (3),Equipment Failure (3),Trees - Outside ROW (2)
CARLETON ROAD	2024	15	285	129 Trees (8),No Specific Cause Found (3),Equipment Failure (2),Weather (2)
HOSPITAL	2020	53	15,736	3,142 Animal (13),Trees (9),Equipment Failure (8),Trees - Outside ROW (6),Planned/Scheduled (6),Lightning (4),Forced Outage/Emergency (2),Car/Pole Accident (2),Public Damage (1),No Specific Cause Found (1),Unique Incident (1)
HOSPITAL	2021	33	3,311	599 Equipment Failure (10),Trees (6),Animal (5),Planned/Scheduled (5),Unique Incident (2),No Specific Cause Found (2),Trees - Outside ROW (1),Lightning (1),Public Damage (1)
HOSPITAL	2022	31	7,160	3,071 Trees (9),Equipment Failure (6),No Specific Cause Found (4),Car/Pole Accident (3),Animal (3),Weather (2),Trees - Outside ROW (2),Forced Outage/Emergency (1),Lightning (1)
HOSPITAL	2023	46	7,728	2,953 Equipment Failure (18),Animal (11),No Specific Cause Found (8),Trees (4),Trees - Outside ROW (2),Lightning (1),Unique Incident (1),Weather (1)
HOSPITAL	2024	32	1,535	437 Trees (9),Animal (7),Equipment Failure (7),No Specific Cause Found (5),Trees - Outside ROW (3),Unique Incident (1)
LOVEJOY	2020	98	9,211	3,024 Equipment Failure (34),Unique Incident (19),Trees (13),Planned/Scheduled (9),Animal (8),No Specific Cause Found (8),Trees - Outside ROW (4),Lightning (1),Forced Outage/Emergency (1),Car/Pole Accident (1)
LOVEJOY	2021	135	13,824	2,578 Trees (31),Equipment Failure (31),Weather (25),Unique Incident (15),Trees - Outside ROW (8),Animal (7),No Specific Cause Found (7),Planned/Scheduled (6),Bird (3),Lightning (2)
LOVEJOY	2022	103	7,256	3,211 Equipment Failure (33),Unique Incident (19),Trees (13),Weather (10),Animal (8),No Specific Cause Found (7),Bird (5),Trees - Outside ROW (3),Lightning (3),Public Damage (1)
LOVEJOY	2023	100	16,976	2,737 Trees (25),Unique Incident (17),Weather (15),Equipment Failure (12),Trees - Outside ROW (9),No Specific Cause Found (8),Animal (7),Lightning (3),Bird (2),Forced Outage/Emergency (1),Public Damage (1)
LOVEJOY	2024	124	11,328	3,219 Unique Incident (36),Trees (33),Equipment Failure (20),No Specific Cause Found (10),Weather (7),Lightning (6),Animal (5),Trees - Outside ROW (2),Forced Outage/Emergency (2),Public Tree Trimming (1),Public Damage (1),Bird (1)
STACEY	2020	49	6,786	2,478 Equipment Failure (16),Planned/Scheduled (10),Trees (9),Animal (7),Weather (4),Bird (1),Trees - Outside ROW (1),Unique Incident (1),Forced Outage/Emergency (1)
STACEY	2021	54	4,058	570 Equipment Failure (19),Trees (10),No Specific Cause Found (6),Animal (5),Planned/Scheduled (4),Weather (3),Bird (2),Forced Outage/Emergency (2),Car/Pole Accident (2),Unique Incident (1)
STACEY	2022	53	3,968	981 Equipment Failure (13),Forced Outage/Emergency (9),Trees (9),Animal (8),No Specific Cause Found (7),Unique Incident (4),Bird (2),Weather (1)
STACEY	2023	21	2,678	650 Unique Incident (4),Equipment Failure (4),Trees (4),Animal (3),Weather (2),Bird (2),No Specific Cause Found (1),Car/Pole Accident (1)
STACEY	2024	39	2,724	632 No Specific Cause Found (11),Animal (9),Equipment Failure (7),Trees (5),Weather (2),Unique Incident (2),Lightning (2),Forced Outage/Emergency (1)
FORT CUSTER	2020	13	102	35 Equipment Failure (5),Planned/Scheduled (3),Unique Incident (2),No Specific Cause Found (1),Car/Pole Accident (1),Weather (1)
FORT CUSTER	2021	41	9,012	4,031 Equipment Failure (18),Planned/Scheduled (10),Unique Incident (6),Public Damage (2),Trees (2),Weather (1),Animal (1),Forced Outage/Emergency (1)
FORT CUSTER	2022	11	4,349	1,954 Equipment Failure (6),Car/Pole Accident (4),Trees (1)
FORT CUSTER	2023	22	159	41 Equipment Failure (10),No Specific Cause Found (4),Public Damage (4),Unique Incident (2),Weather (1),Trees (1)
FORT CUSTER	2024	16	2,520	1,302 Equipment Failure (9),Forced Outage/Emergency (2),Public Damage (2),Trees (1),Weather (1),No Specific Cause Found (1)
COCHRAN	2020	70	5,575	1,572 Trees (18),Equipment Failure (17),No Specific Cause Found (11),Lightning (7),Weather (7),Planned/Scheduled (3),Trees - Outside ROW (2),Transmission/Generation (2),Animal (2),Car/Pole Accident (1)
COCHRAN	2021	90	11,960	4,328 Trees (26),Animal (18),Equipment Failure (14),Unique Incident (6),Lightning (5),Car/Pole Accident (4),Weather (4),Forced Outage/Emergency (3),Planned/Scheduled (1),Public Damage (1)
COCHRAN	2022	62	4,892	1,189 Equipment Failure (17),Trees (14),Animal (13),No Specific Cause Found (13),Weather (2),Trees - Outside ROW (1),Car/Pole Accident (1),Lightning (1)
COCHRAN	2023	48	4,591	3,190 No Specific Cause Found (16),Animal (11),Equipment Failure (10),Trees (4),Lightning (2),Unique Incident (2),Public Damage (1),Bird (1),Forced Outage/Emergency (1)
COCHRAN	2024	72	6,896	6,630 Transmission/Generation (17),Animal (17),Equipment Failure (12),Public Damage (4),Car/Pole Accident (4),Forced Outage/Emergency (4),Unique Incident (1),Trees - Outside ROW (2),Lightning (2),Unique Incident (1)
BLUE WATER	2020	106	5,972	7,464 Trees (28),Equipment Failure (27),Animal (11),No Specific Cause Found (10),Weather (9),Planned/Scheduled (6),Lightning (5),Unique Incident (3),Forced Outage/Emergency (3),Transmission/Generation (1),Trees - Outside ROW (1)
BLUE WATER	2021	80	4,231	2,096 Equipment Failure (22),Trees (12),Animal (9),Planned/Scheduled (8),No Specific Cause Found (8),Lightning (7),Weather (6),Car/Pole Accident (4),Unique Incident (2),Transmission/Generation (1),Forced Outage/Emergency (1)
BLUE WATER	2022	95	12,383	5,631 Equipment Failure (25),Trees (18),Animal (17),Weather (14),No Specific Cause Found (12),Bird (4),Public Damage (2),Lightning (2),Trees - Outside ROW (1)
BLUE WATER	2023	98	6,823	3,168 Equipment Failure (28),Trees (25),No Specific Cause Found (14),Animal (12),Weather (8),Lightning (6),Trees - Outside ROW (2),Unique Incident (2),Bird (1)
BLUE WATER	2024	89	11,984	3,482 Equipment Failure (26),No Specific Cause Found (22),Trees (15),Animal (12),Weather (3),Forced Outage/Emergency (3),Unique Incident (2),Car/Pole Accident (2),Bird (2),Public Damage (1),Trees - Outside ROW (1)
IWANREST	2020	32	4,639	3,027 Equipment Failure (9),Animal (9),Trees (4),Planned/Scheduled (3),No Specific Cause Found (2),Unique Incident (2),Forced Outage/Emergency (1),Public Damage (1),Weather (1)
IWANREST	2021	56	7,997	1,897 Equipment Failure (19),Animal (9),Planned/Scheduled (9),No Specific Cause Found (4),Forced Outage/Emergency (3),Trees - Outside ROW (3),Trees (3),Public Damage (3),Car/Pole Accident (2),Unique Incident (1)
IWANREST	2022	38	8,490	4,887 Equipment Failure (16),Trees (5),Public Damage (4),Forced Outage/Emergency (4),Animal (3),No Specific Cause Found (2),Car/Pole Accident (1),Trees - Outside ROW (1),Unique Incident (1),Lightning (1)
IWANREST	2023	36	4,569	1,535 Equipment Failure (13),No Specific Cause Found (6),Weather (5),Animal (3),Unique Incident (3),Trees (3),Forced Outage/Emergency (2),Public Damage (1)
IWANREST	2024	62	28,035	7,680 Equipment Failure (15),Car/Pole Accident (10),No Specific Cause Found (9),Animal (8),Trees (8),Public Damage (6),Forced Outage/Emergency (5),Weather (1)
KENTWOOD	2020	86	25,560	10,401 Animal (22),Equipment Failure (22),Planned/Scheduled (12),Public Damage (11),Trees (5),Forced Outage/Emergency (5),No Specific Cause Found (2),Lightning (2),Car/Pole Accident (2),Weather (1),Transmission/Generation (1),Unique Incident (1)
KENTWOOD	2021	59	5,976	2,620 Equipment Failure (22),Animal (15),No Specific Cause Found (6),Planned/Scheduled (3),Car/Pole Accident (3),Lightning (2),Public Damage (2),Trees - Outside ROW (2),Trees (2),Forced Outage/Emergency (1),Bird (1)
KENTWOOD	2022	55	1,963	1,068 Animal (19),Equipment Failure (18),No Specific Cause Found (6),Public Damage (4),Trees (2),Forced Outage/Emergency (2),Unique Incident (1),Trees - Outside ROW (1),Car/Pole Accident (1),Weather (1)
KENTWOOD	2023	68	11,852	5,145 Equipment Failure (24),Animal (19),No Specific Cause Found (9),Public Damage (4),Car/Pole Accident (4),Forced Outage/Emergency (4),Unique Incident (1),Trees - Outside ROW (1),Weather (1)
KENTWOOD	2024	58	1,361	912 Animal (18),Equipment Failure (14),Public Damage (8),No Specific Cause Found (7),Trees (4),Unique Incident (2),Weather (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Bird (1)
KOLASSA	2020	145	40,545	5,288 Trees (39),Equipment Failure (29),Weather (28),No Specific Cause Found (10),Planned/Scheduled (9),Forced Outage/Emergency (8),Animal (6),Trees - Outside ROW (4),Car/Pole Accident (3),Lightning (3),Unique Incident (2),Bird (2),Public Damage (1)
KOLASSA	2021	138	17,008	3,008 Trees (36),Weather (31),No Specific Cause Found (19),Equipment Failure (17),Animal (10),Planned/Scheduled (10),Unique Incident (6),Lightning (4),Forced Outage/Emergency (1),Public Tree Trimming (1),Trees - Outside ROW (1),Car/Pole Accident (1),Public Damage (1)
KOLASSA	2022	110	7,074	3,541 Equipment Failure (25),Trees (20),Animal (14),Lightning (13),No Specific Cause Found (12),Weather (11),Bird (7),Trees - Outside ROW (4),Unique Incident (1),Car/Pole Accident (1),Forced Outage/Emergency (1),Public Damage (1)
KOLASSA	2023	93	16,728	4,127 No Specific Cause Found (20),Equipment Failure (19),Trees (17),Animal (11),Bird (7),Trees - Outside ROW (6),Weather (5),Unique Incident (4),Lightning (3),Forced Outage/Emergency (1)
KOLASSA	2024	93	14,324	7,294 No Specific Cause Found (19),Animal (18),Unique Incident (12),Equipment Failure (10),Weather (10),Trees (8),Trees - Outside ROW (8),Lightning (4),Bird (2),Car/Pole Accident (1),Forced Outage/Emergency (1)
CALEDONIA	2020	44	2,249	1,245 Animal (13),Equipment Failure (11),Planned/Scheduled (9),Trees (3),No Specific Cause Found (3),Bird (2),Forced Outage/Emergency (1),Public Damage (1),Trees - Outside ROW (1)

CALEDONIA	2021	40	2,982	815 Equipment Failure (18),Trees (5),Planned/Scheduled (4),Animal (4),Public Damage (2),Trees - Outside ROW (2),Weather (1),Unique Incident (1),Lightning (1),No Specific Cause Found (1),Forced Outage/Emergency (1)
CALEDONIA	2022	66	2,444	684 Animal (21),Equipment Failure (15),Trees - Outside ROW (7),Trees (6),Weather (5),Car/Pole Accident (3),No Specific Cause Found (3),Unique Incident (2),Lightning (2),Forced Outage/Emergency (1),Public Damage (1)
CALEDONIA	2023	47	3,597	1,565 Equipment Failure (16),Animal (11),Weather (4),Trees - Outside ROW (3),Lightning (3),No Specific Cause Found (3),Car/Pole Accident (2),Public Damage (1),Trees (1),Bird (1),Forced Outage/Emergency (1),Unique Incident (1)
CALEDONIA	2024	58	408	219 Animal (31),Equipment Failure (7),Lightning (5),Unique Incident (4),No Specific Cause Found (4),Trees - Outside ROW (2),Weather (2),Public Damage (1),Trees (1),Forced Outage/Emergency (1)
BAGLEY	2020	143	9,617	2,887 Animal (45),Equipment Failure (36),Trees (16),Trees - Outside ROW (11),No Specific Cause Found (10),Planned/Scheduled (8),Weather (6),Unique Incident (4),Public Tree Trimming (2),Forced Outage/Emergency (2),Lightning (1),Car/Pole Accident (1),Public Damage (1)
BAGLEY	2021	147	15,593	7,343 Animal (43),Equipment Failure (30),No Specific Cause Found (18),Trees (15),Trees - Outside ROW (15),Unique Incident (7),Car/Pole Accident (6),Planned/Scheduled (6),Forced Outage/Emergency (2),Lightning (2),Public Damage (2),Weather (1)
BAGLEY	2022	96	15,686	3,851 Animal (29),Equipment Failure (20),No Specific Cause Found (16),Trees - Outside ROW (12),Weather (8),Trees (6),Car/Pole Accident (4),Forced Outage/Emergency (2),Unique Incident (1)
BAGLEY	2023	62	28,489	9,866 Equipment Failure (21),Animal (10),No Specific Cause Found (10),Trees - Outside ROW (9),Unique Incident (6),Forced Outage/Emergency (1),Lightning (1),Trees (1),Car/Pole Accident (1),Weather (1),Public Damage (1)
BAGLEY	2024	87	23,224	10,143 Equipment Failure (26),Animal (21),No Specific Cause Found (12),Trees - Outside ROW (10),Forced Outage/Emergency (4),Unique Incident (4),Trees (4),Weather (3),Car/Pole Accident (2),Lightning (1)
CARY ROAD	2020	111	8,970	3,300 Equipment Failure (31),Trees (28),No Specific Cause Found (15),Planned/Scheduled (13),Weather (4),Animal (4),Unique Incident (4),Forced Outage/Emergency (4),Car/Pole Accident (2),Trees - Outside ROW (2),Public Damage (2),Bird (1),Lightning (1)
CARY ROAD	2021	228	33,731	6,215 Trees (112),Equipment Failure (34),No Specific Cause Found (22),Planned/Scheduled (21),Weather (11),Animal (10),Unique Incident (6),Bird (5),Trees - Outside ROW (2),Forced Outage/Emergency (2),Lightning (2),Car/Pole Accident (1)
CARY ROAD	2022	136	15,324	5,100 No Specific Cause Found (37),Equipment Failure (33),Trees (23),Weather (21),Animal (10),Lightning (4),Trees - Outside ROW (3),Unique Incident (3),Bird (2)
CARY ROAD	2023	113	7,560	3,339 Trees (36),Equipment Failure (24),Weather (18),Animal (11),No Specific Cause Found (11),Bird (3),Trees - Outside ROW (3),Car/Pole Accident (2),Lightning (2),Transmission/Generation (2),Unique Incident (1)
CARY ROAD	2024	51	7,885	2,383 Equipment Failure (14),Animal (9),No Specific Cause Found (7),Trees (6),Weather (5),Unique Incident (4),Trees - Outside ROW (3),Bird (1),Public Damage (1),Forced Outage/Emergency (1)
BURCH ROAD	2020	95	4,335	1,861 Equipment Failure (31),No Specific Cause Found (17),Trees (14),Animal (11),Planned/Scheduled (10),Weather (3),Bird (2),Forced Outage/Emergency (2),Unique Incident (2),Lightning (1),Transmission/Generation (1),Car/Pole Accident (1)
BURCH ROAD	2021	99	7,591	2,374 Trees (25),Equipment Failure (24),No Specific Cause Found (22),Animal (6),Weather (6),Trees - Outside ROW (4),Planned/Scheduled (4),Bird (3),Unique Incident (2),Lightning (2),Car/Pole Accident (1)
BURCH ROAD	2022	99	18,171	4,082 Trees (29),No Specific Cause Found (21),Equipment Failure (20),Weather (12),Animal (10),Trees - Outside ROW (3),Unique Incident (1),Car/Pole Accident (1),Forced Outage/Emergency (1),Bird (1)
BURCH ROAD	2023	132	17,435	2,754 Weather (45),Trees (35),Equipment Failure (17),Animal (14),No Specific Cause Found (13),Unique Incident (3),Bird (2),Public Damage (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
BURCH ROAD	2024	91	13,385	3,477 No Specific Cause Found (22),Trees (20),Equipment Failure (19),Animal (8),Unique Incident (7),Weather (7),Trees - Outside ROW (5),Bird (3)
DUPONT	2020	25	3,296	703 Trees (9),Planned/Scheduled (5),Animal (4),Trees - Outside ROW (3),Equipment Failure (3),Weather (1)
DUPONT	2021	19	454	168 Trees (7),Animal (5),Equipment Failure (2),No Specific Cause Found (2),Public Damage (1),Planned/Scheduled (1),Trees - Outside ROW (1)
DUPONT	2022	28	4,961	546 Animal (7),Trees (6),No Specific Cause Found (6),Trees - Outside ROW (5),Equipment Failure (2),Forced Outage/Emergency (1),Unique Incident (1)
DUPONT	2023	57	1,674	898 Trees (21),No Specific Cause Found (18),Trees - Outside ROW (9),Animal (4),Weather (2),Equipment Failure (2),Unique Incident (1)
DUPONT	2024	38	2,608	1,269 Animal (11),Trees (10),Trees - Outside ROW (4),No Specific Cause Found (4),Unique Incident (3),Equipment Failure (3),Forced Outage/Emergency (2),Weather (1)
WAGER	2020	62	6,425	2,061 Equipment Failure (18),Trees (10),Weather (10),Car/Pole Accident (7),Forced Outage/Emergency (7),No Specific Cause Found (4),Planned/Scheduled (2),Animal (2),Trees - Outside ROW (1),Public Damage (1)
WAGER	2021	79	7,288	982 Trees (32),Planned/Scheduled (12),Equipment Failure (11),Forced Outage/Emergency (5),Car/Pole Accident (5),Weather (5),Unique Incident (3),Public Damage (3),No Specific Cause Found (2),Trees - Outside ROW (1)
WAGER	2022	80	12,430	2,124 Trees (18),Equipment Failure (13),Weather (10),Unique Incident (10),Car/Pole Accident (7),No Specific Cause Found (7),Forced Outage/Emergency (6),Lightning (4),Trees - Outside ROW (2),Public Damage (2),Animal (1)
WAGER	2023	45	8,030	1,744 Trees (16),No Specific Cause Found (9),Equipment Failure (6),Unique Incident (4),Weather (3),Forced Outage/Emergency (3),Lightning (1),Trees - Outside ROW (1),Animal (1),Public Damage (1)
WAGER	2024	53	992	377 Trees (17),Weather (10),Forced Outage/Emergency (8),No Specific Cause Found (7),Equipment Failure (4),Car/Pole Accident (3),Public Damage (2),Lightning (1),Unique Incident (1)
LEE STREET	2020	79	5,313	2,944 Animal (19),Unique Incident (14),Weather (12),Trees (12),Equipment Failure (10),Planned/Scheduled (4),Car/Pole Accident (2),Public Damage (2),No Specific Cause Found (2),Bird (1),Forced Outage/Emergency (1)
LEE STREET	2021	67	3,459	2,513 Equipment Failure (15),Animal (14),No Specific Cause Found (9),Trees (9),Planned/Scheduled (6),Weather (4),Unique Incident (2),Forced Outage/Emergency (2),Public Damage (2),Bird (1),Transmission/Generation (1),Car/Pole Accident (1),Trees - Outside ROW (1)
LEE STREET	2022	72	7,517	3,659 Animal (20),Equipment Failure (13),Weather (11),Trees (9),Car/Pole Accident (5),Unique Incident (4),No Specific Cause Found (4),Public Damage (3),Trees - Outside ROW (2),Bird (1)
LEE STREET	2023	71	7,561	2,906 Animal (20),Trees (12),Weather (11),No Specific Cause Found (9),Unique Incident (3),Trees - Outside ROW (3),Forced Outage/Emergency (3),Equipment Failure (3),Car/Pole Accident (3),Public Damage (2),Bird (1),Transmission/Generation (1)
LEE STREET	2024	60	6,063	2,016 Animal (24),Trees (18),Equipment Failure (10),Weather (8),No Specific Cause Found (8),Forced Outage/Emergency (5),Unique Incident (4),Trees - Outside ROW (2),Car/Pole Accident (1)
KIESEL	2020	60	2,558	1,244 Planned/Scheduled (24),Equipment Failure (9),Trees (5),Weather (4),Forced Outage/Emergency (3),Unique Incident (2),Animal (2),Car/Pole Accident (1)
KIESEL	2021	36	4,804	1,236 Equipment Failure (7),Trees (6),Weather (6),Forced Outage/Emergency (4),Unique Incident (3),Planned/Scheduled (3),Trees - Outside ROW (3),Car/Pole Accident (2),Bird (1),Lightning (1)
KIESEL	2022	21	4,335	1,189 Trees (7),Equipment Failure (3),Animal (3),No Specific Cause Found (2),Unique Incident (2),Forced Outage/Emergency (1),Public Tree Trimming (1),Weather (1),Trees - Outside ROW (1)
KIESEL	2023	12	938	200 Trees (5),Equipment Failure (3),Unique Incident (2),Forced Outage/Emergency (1),Animal (1)
KIESEL	2024	26	5,680	3,855 Equipment Failure (10),Unique Incident (4),Animal (2),Forced Outage/Emergency (2),No Specific Cause Found (2),Trees (2),Bird (2),Public Damage (1),Car/Pole Accident (1)
KENT AIRPORT	2020	7	464	141 Equipment Failure (3),Trees (1),Animal (1),Public Damage (1),Planned/Scheduled (1)
KENT AIRPORT	2021	9	869	212 Equipment Failure (8),Weather (1)
KENT AIRPORT	2022	6	139	39 Equipment Failure (3),No Specific Cause Found (2),Public Damage (1)
KENT AIRPORT	2023	1	209	24 Equipment Failure (1)
KENT AIRPORT	2024	7	366	323 Car/Pole Accident (3),Equipment Failure (3),No Specific Cause Found (1)
HARRIET	2020	63	1,774	411 Planned/Scheduled (29),Trees (15),Equipment Failure (5),Weather (5),Forced Outage/Emergency (3),Unique Incident (3),Animal (1),Public Damage (1),No Specific Cause Found (1)
HARRIET	2021	43	7,543	1,595 Trees (20),Weather (6),Forced Outage/Emergency (6),Equipment Failure (5),Unique Incident (3),Animal (1),Car/Pole Accident (1),Public Damage (1)
HARRIET	2022	32	6,418	1,024 Trees (10),Equipment Failure (7),Unique Incident (5),Forced Outage/Emergency (5),Public Damage (2),Weather (2),Public Tree Trimming (1)
HARRIET	2023	24	1,238	216 Trees (8),Weather (6),No Specific Cause Found (3),Forced Outage/Emergency (2),Unique Incident (2),Animal (1),Car/Pole Accident (1),Equipment Failure (1)
HARRIET	2024	22	2,801	644 Trees (7),Equipment Failure (4),Weather (3),Animal (2),Forced Outage/Emergency (2),Public Damage (1),Unique Incident (1),Trees - Outside ROW (1),Bird (1)
CLUB	2020	36	1,594	484 Equipment Failure (12),Trees (8),Planned/Scheduled (4),Animal (4),Trees - Outside ROW (3),Car/Pole Accident (2),Weather (2),No Specific Cause Found (1)
CLUB	2021	33	2,128	526 Equipment Failure (8),Animal (6),Planned/Scheduled (6),Weather (4),Trees (3),Trees - Outside ROW (3),Car/Pole Accident (1),Bird (1),No Specific Cause Found (1)
CLUB	2022	30	5,007	722 Trees (6),Equipment Failure (6),Weather (6),Trees - Outside ROW (5),Animal (3),Car/Pole Accident (2),No Specific Cause Found (2)
CLUB	2023	37	626	290 Animal (13),Trees - Outside ROW (9),Trees (8),Equipment Failure (3),Unique Incident (2),Car/Pole Accident (1),No Specific Cause Found (1)
CLUB	2024	74	5,732	1,005 Trees (40),Trees - Outside ROW (8),Weather (6),Equipment Failure (6),Animal (4),Forced Outage/Emergency (3),No Specific Cause Found (3),Lightning (2),Unique Incident (1),Bird (1)
OAK STREET	2020	54	7,179	2,160 Planned/Scheduled (13),Equipment Failure (12),Trees (11),No Specific Cause Found (5),Unique Incident (4),Car/Pole Accident (3),Forced Outage/Emergency (2),Public Damage (1),Animal (1),Weather (1),Transmission/Generation (1)
OAK STREET	2021	43	4,279	2,395 Equipment Failure (11),Trees (10),Planned/Scheduled (9),Weather (5),Unique Incident (3),Forced Outage/Emergency (2),No Specific Cause Found (2),Car/Pole Accident (1)
OAK STREET	2022	46	10,251	3,795 Equipment Failure (15),Trees (11),Unique Incident (5),No Specific Cause Found (4),Weather (4),Car/Pole Accident (3),Animal (2),Forced Outage/Emergency (1),Public Damage (1)
OAK STREET	2023	41	4,153	2,104 Trees (12),Weather (8),Equipment Failure (5),Car/Pole Accident (5),Unique Incident (4),No Specific Cause Found (4),Forced Outage/Emergency (2),Public Damage (1)
OAK STREET	2024	43	16,157	4,017 Animal (10),Equipment Failure (9),Trees (6),Trees - Outside ROW (4),Forced Outage/Emergency (4),Car/Pole Accident (3),No Specific Cause Found (3),Weather (2),Unique Incident (1),Public Tree Trimming (1)
GRAND VALLEY	2020	28	662	341 Trees (6),Planned/Scheduled (6),Weather (5),Animal (4),Public Damage (2),Unique Incident (2),Equipment Failure (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
GRAND VALLEY	2021	24	1,386	1,257 Trees (7),Animal (6),Forced Outage/Emergency (3),Equipment Failure (3),Planned/Scheduled (2),No Specific Cause Found (2),Unique Incident (1)
GRAND VALLEY	2022	36	2,305	816 Animal (13),Trees (9),No Specific Cause Found (9),Equipment Failure (3),Trees - Outside ROW (2),Weather (1),Lightning (1),Unique Incident (1)
GRAND VALLEY	2023	33	842	285 Animal (9),No Specific Cause Found (6),Weather (5),Trees (4),Equipment Failure (3),Car/Pole Accident (2),Trees - Outside ROW (2),Lightning (1),Forced Outage/Emergency (1)
GRAND VALLEY	2024	57	4,341	2,226 Animal (19),Trees (14),Trees - Outside ROW (5),No Specific Cause Found (4),Equipment Failure (4),Forced Outage/Emergency (3),Public Damage (3),Weather (2),Lightning (2),Car/Pole Accident (1)
AMPERSEE	2020	42	706	590 Planned/Scheduled (14),Equipment Failure (12),Car/Pole Accident (4),Trees (4),Public Damage (3),Forced Outage/Emergency (2),No Specific Cause Found (1),Animal (1),Weather (1)
AMPERSEE	2021	40	737	848 Planned/Scheduled (20),Trees (8),Weather (4),Animal (3),Car/Pole Accident (1),No Specific Cause Found (1),Unique Incident (1),Equipment Failure (1),No Specific Cause Found (1),Unique Incident (1),Forced Outage/Emergency (1)
AMPERSEE	2022	18	2,160	816 Trees (8),Equipment Failure (3),No Specific Cause Found (2),Animal (2),Forced Outage/Emergency (1),Unique Incident (1),Weather (1)
AMPERSEE	2023	15	2,712	841 Equipment Failure (5),Trees (4),Car/Pole Accident (3),Weather (1),Unique Incident (1),Forced Outage/Emergency (1)
AMPERSEE	2024	14	307	197 Equipment Failure (4),No Specific Cause Found (3),Trees (2),Weather (2),Unique Incident (1),Animal (1),Bird (1)
CLAY	2020	13	124	450 Equipment Failure (9),Animal (2),Unique Incident (1),Planned/Scheduled (1)
CLAY	2021	6	230	68 Trees (2),Equipment Failure (2),Unique Incident (1),Planned/Scheduled (1)
CLAY	2022	2	6	2 Animal (1),Trees (1)
CLAY	2023	5	162	222 Equipment Failure (9),No Specific Cause Found (1),Animal (1)
CLAY	2024	11	572	383 Equipment Failure (3),Animal (2),Forced Outage/Emergency (2),No Specific Cause Found (1),Trees - Outside ROW (1),Public Damage (1),Trees (1)
LOMBARD	2020	65	9,939	2,454 Trees (16),Equipment Failure (14),Weather (7),Planned/Scheduled (7),Car/Pole Accident (5),No Specific Cause Found (4),Public Damage (2),Trees - Outside ROW (2),Lightning (2),Unique Incident (2),Animal (1),Public Tree Trimming (1),Forced Outage/Emergency (1),Bird (1)
LOMBARD	2021	86	7,108	1,166 Trees (40),Equipment Failure (27),Weather (6),Planned/Scheduled (4),No Specific Cause Found (4),Animal (3),Trees - Outside ROW (2),Car/Pole Accident (1)
LOMBARD	2022	100	11,027	3,558 Trees (24),No Specific Cause Found (18),Weather (17),Equipment Failure (15),Trees - Outside ROW (8),Animal (6),Unique Incident (4),Forced Outage/Emergency (3),Car/Pole Accident (3),Public Damage (1),Lightning (1)
LOMBARD	2023	65	4,951	1,397 Trees (22),Weather (10),Equipment Failure (10),No Specific Cause Found (8),Trees - Outside ROW (7),Public Damage (2),Lightning (2),Unique Incident (1),Forced Outage/Emergency (1),Public Tree Trimming (1),Car/Pole Accident (1)
LOMBARD	2024	71	5,012	1,428 Trees (25),Equipment Failure (18),Weather (8),Trees - Outside ROW (7),No Specific Cause Found (6),Animal (4),Forced Outage/Emergency (2),Car/Pole Accident (1)
BESSINGER	2020	26	2,488	791 Equipment Failure (8),Trees (4),Planned/Scheduled (4),Animal (2),Car/Pole Accident (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Lightning (1),Weather (1),Public Damage (1),No Specific Cause Found (1)
BESSINGER	2021	29	8,494	1,890 Trees (13),Planned/Scheduled (4),No Specific Cause Found (3),Equipment Failure (2),Unique Incident (2),Trees - Outside ROW (2),Weather (2),Lightning (1)
BESSINGER	2022	25	3,000	907 Trees (7),No Specific Cause Found (6),Equipment Failure (4),Weather (2),Lightning (2),Trees - Outside ROW (2),Animal (1),Unique Incident (1)
BESSINGER	2023	12	735	362 No Specific Cause Found (5),Trees (5),Animal (1),Equipment Failure (1)

BESSINGER	2024	26	397	555 Trees (9),Unique Incident (7),No Specific Cause Found (6),Equipment Failure (3),Weather (1)
VENICE	2020	33	3,150	969 Equipment Failure (12),Planned/Scheduled (6),Forced Outage/Emergency (5),Unique Incident (2),Trees (2),Weather (2),No Specific Cause Found (2),Trees - Outside ROW (1),Public Damage (1)
VENICE	2021	22	3,627	1,131 Planned/Scheduled (6),Equipment Failure (6),Public Damage (2),Weather (2),Forced Outage/Emergency (2),Unique Incident (1),No Specific Cause Found (1),Animal (1),Trees (1)
VENICE	2022	22	4,412	787 Equipment Failure (8),No Specific Cause Found (5),Forced Outage/Emergency (3),Trees (2),Public Damage (2),Lightning (1),Weather (1)
VENICE	2023	13	5,306	695 Trees (4),Equipment Failure (4),Unique Incident (2),No Specific Cause Found (2),Car/Pole Accident (1)
VENICE	2024	34	7,387	2,233 Weather (10),No Specific Cause Found (6),Equipment Failure (6),Forced Outage/Emergency (6),Car/Pole Accident (2),Trees (2),Unique Incident (1),Public Damage (1)
DERBY	2020	63	12,039	4,627 Trees (15),Equipment Failure (14),Planned/Scheduled (13),No Specific Cause Found (6),Trees - Outside ROW (4),Weather (3),Lightning (3),Forced Outage/Emergency (2),Unique Incident (2),Animal (2)
DERBY	2021	41	2,993	655 Trees (18),Equipment Failure (8),Animal (3),Lightning (3),Weather (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Planned/Scheduled (2),Trees - Outside ROW (1)
DERBY	2022	47	3,077	1,615 Trees (11),Equipment Failure (10),No Specific Cause Found (8),Trees - Outside ROW (5),Weather (4),Animal (3),Unique Incident (2),Forced Outage/Emergency (1),Public Damage (1),Car/Pole Accident (1),Bird (1)
DERBY	2023	47	2,225	486 Trees (18),Equipment Failure (10),No Specific Cause Found (8),Weather (6),Bird (1),Animal (1),Forced Outage/Emergency (1),Unique Incident (1),Public Tree Trimming (1)
DERBY	2024	46	1,170	1,034 No Specific Cause Found (14),Trees (9),Weather (6),Equipment Failure (6),Unique Incident (5),Trees - Outside ROW (2),Public Damage (2),Car/Pole Accident (1),Forced Outage/Emergency (1)
BIG RAPIDS	2020	1	292	74 Forced Outage/Emergency (1)
BIG RAPIDS	2024	4	523	232 Equipment Failure (1),Trees (1),Transmission/Generation (1),Lightning (1)
BOON ROAD	2020	18	1,513	461 Equipment Failure (5),Unique Incident (4),Planned/Scheduled (3),Trees - Outside ROW (2),Animal (1),Trees (1),No Specific Cause Found (1),Public Damage (1)
BOON ROAD	2021	18	679	259 Equipment Failure (4),Planned/Scheduled (3),Trees - Outside ROW (3),Lightning (2),Car/Pole Accident (2),Unique Incident (1),Forced Outage/Emergency (1),Public Damage (1),Animal (1)
BOON ROAD	2022	22	1,375	733 Equipment Failure (6),Car/Pole Accident (3),Trees - Outside ROW (3),Trees (2),Public Tree Trimming (2),Animal (2),Weather (1),Forced Outage/Emergency (1),Unique Incident (1),No Specific Cause Found (1)
BOON ROAD	2023	15	900	410 Unique Incident (3),Equipment Failure (3),Car/Pole Accident (2),Trees - Outside ROW (2),Trees (2),Weather (1),Lightning (1),Forced Outage/Emergency (1)
BOON ROAD	2024	21	2,082	591 Equipment Failure (9),Trees - Outside ROW (3),No Specific Cause Found (3),Public Damage (2),Trees (2),Weather (1),Unique Incident (1)
CALVIN	2020	41	6,541	3,466 Equipment Failure (13),Animal (8),Trees (7),Planned/Scheduled (5),Weather (4),No Specific Cause Found (1),Public Damage (1),Transmission/Generation (1),Forced Outage/Emergency (1)
CALVIN	2021	81	18,678	4,548 Planned/Scheduled (22),Equipment Failure (18),Trees (12),Animal (10),No Specific Cause Found (4),Trees - Outside ROW (3),Car/Pole Accident (3),Unique Incident (3),Weather (3),Lightning (1),Forced Outage/Emergency (1),Bird (1)
CALVIN	2022	49	16,300	5,468 Equipment Failure (18),Animal (9),Trees (6),No Specific Cause Found (5),Weather (4),Forced Outage/Emergency (3),Trees - Outside ROW (2),Unique Incident (1),Public Damage (1)
CALVIN	2023	60	4,341	2,195 Equipment Failure (15),Animal (11),Weather (9),No Specific Cause Found (8),Trees (5),Car/Pole Accident (4),Lightning (2),Trees - Outside ROW (2),Forced Outage/Emergency (2),Unique Incident (1),Public Damage (1)
CALVIN	2024	49	1,976	1,210 Animal (11),Equipment Failure (10),Trees (6),Transmission/Generation (6),No Specific Cause Found (5),Forced Outage/Emergency (3),Public Damage (3),Trees - Outside ROW (2),Weather (1),Lightning (1),Unique Incident (1)
RANKIN	2020	49	37,340	6,499 Planned/Scheduled (16),Equipment Failure (13),Trees (6),No Specific Cause Found (5),Forced Outage/Emergency (3),Unique Incident (2),Weather (1),Public Tree Trimming (1),Animal (1),Bird (1)
RANKIN	2021	71	11,089	2,107 Trees (28),Planned/Scheduled (14),Equipment Failure (12),No Specific Cause Found (4),Forced Outage/Emergency (4),Forced Outage/Emergency (3),Weather (2),Lightning (1),Bird (1)
RANKIN	2022	29	3,695	666 Forced Outage/Emergency (9),Equipment Failure (7),Trees (5),Weather (3),No Specific Cause Found (2),Lightning (1),Unique Incident (1),Car/Pole Accident (1)
RANKIN	2023	22	18,769	5,577 Equipment Failure (9),Public Damage (4),Weather (2),Car/Pole Accident (2),No Specific Cause Found (2),Animal (1),Unique Incident (1),Trees (1)
RANKIN	2024	20	622	221 Equipment Failure (7),Trees (5),No Specific Cause Found (2),Forced Outage/Emergency (2),Unique Incident (1),Trees - Outside ROW (1),Public Tree Trimming (1),Weather (1)
HAYES STREET	2020	18	1,183	395 Equipment Failure (4),Planned/Scheduled (4),Trees (3),Weather (3),Forced Outage/Emergency (2),No Specific Cause Found (1),Animal (1)
HAYES STREET	2021	29	11,469	2,885 Planned/Scheduled (14),Equipment Failure (5),Trees - Outside ROW (4),Trees (3),Animal (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
HAYES STREET	2022	11	1,753	441 Trees (4),Equipment Failure (2),Weather (1),Forced Outage/Emergency (1),Public Damage (1),Trees - Outside ROW (1),Animal (1)
HAYES STREET	2023	15	1,803	1,723 Equipment Failure (5),No Specific Cause Found (4),Trees (3),Unique Incident (1),Animal (1),Trees - Outside ROW (1)
HAYES STREET	2024	22	8,815	1,870 Trees (7),No Specific Cause Found (5),Equipment Failure (3),Animal (3),Bird (2),Forced Outage/Emergency (1),Weather (1)
RIX ROAD	2020	61	10,626	5,300 Equipment Failure (19),Trees (15),Trees - Outside ROW (6),Weather (6),Planned/Scheduled (4),Animal (3),No Specific Cause Found (3),Public Damage (2),Forced Outage/Emergency (1)
RIX ROAD	2021	61	8,350	2,990 Trees (18),Equipment Failure (15),Planned/Scheduled (11),Trees - Outside ROW (9),Weather (5),Unique Incident (2),Forced Outage/Emergency (1),No Specific Cause Found (1),Animal (1),Lightning (1)
RIX ROAD	2022	54	17,469	6,359 Trees (23),Equipment Failure (11),No Specific Cause Found (7),Weather (4),Forced Outage/Emergency (2),Unique Incident (2),Bird (1),Public Tree Trimming (1),Trees - Outside ROW (1),Animal (1),Lightning (1)
RIX ROAD	2023	35	2,319	785 Trees (14),Equipment Failure (6),No Specific Cause Found (5),Weather (3),Trees - Outside ROW (3),Animal (3),Public Damage (1)
RIX ROAD	2024	53	3,912	3,872 Trees (21),Trees - Outside ROW (10),Weather (9),Equipment Failure (6),No Specific Cause Found (4),Animal (2),Bird (1)
LYON MANOR	2020	70	44,976	12,738 Trees (21),Planned/Scheduled (16),Equipment Failure (11),No Specific Cause Found (5),Unique Incident (4),Trees - Outside ROW (4),Animal (4),Forced Outage/Emergency (2),Car/Pole Accident (1),Public Tree Trimming (1),Weather (1)
LYON MANOR	2021	63	8,366	2,700 Trees (20),Planned/Scheduled (18),Equipment Failure (9),Animal (5),Trees - Outside ROW (3),Weather (3),Forced Outage/Emergency (2),Public Damage (2),Public Tree Trimming (2),No Specific Cause Found (1)
LYON MANOR	2022	35	20,798	5,784 Trees (18),No Specific Cause Found (5),Equipment Failure (5),Animal (2),Unique Incident (2),Trees - Outside ROW (1),Weather (1),Public Damage (1)
LYON MANOR	2023	50	18,608	6,304 Trees (21),Equipment Failure (12),No Specific Cause Found (6),Weather (4),Unique Incident (3),Trees - Outside ROW (2),Public Damage (1),Animal (1)
LYON MANOR	2024	50	17,538	6,927 No Specific Cause Found (18),Equipment Failure (10),Car/Pole Accident (8),Trees (7),Trees - Outside ROW (2),Forced Outage/Emergency (2),Unique Incident (1),Animal (1),Public Damage (1)
NEWARK	2020	26	2,541	624 Equipment Failure (8),Trees (7),No Specific Cause Found (2),Planned/Scheduled (2),Forced Outage/Emergency (2),Lightning (1),Weather (1),Unique Incident (1),Animal (1),Car/Pole Accident (1)
NEWARK	2021	35	10,497	1,791 Trees (8),Weather (6),Equipment Failure (6),Forced Outage/Emergency (5),No Specific Cause Found (4),Planned/Scheduled (2),Unique Incident (1),Animal (1),Lightning (1),Public Damage (1)
NEWARK	2022	31	4,383	1,524 Trees (10),Equipment Failure (8),No Specific Cause Found (4),Weather (4),Forced Outage/Emergency (2),Animal (1),Public Damage (1),Unique Incident (1)
NEWARK	2023	14	3,848	858 Trees (7),Equipment Failure (1),Trees - Outside ROW (1),Weather (1),Car/Pole Accident (1),Unique Incident (1),No Specific Cause Found (1),Forced Outage/Emergency (1)
NEWARK	2024	26	4,211	1,748 Trees (6),Weather (6),Equipment Failure (5),No Specific Cause Found (3),Trees - Outside ROW (2),Unique Incident (1),Lightning (1)
PECK ROAD	2020	92	14,597	7,769 Trees (25),Equipment Failure (24),No Specific Cause Found (17),Animal (8),Planned/Scheduled (4),Weather (4),Unique Incident (3),Transmission/Generation (3),Trees - Outside ROW (2),Public Damage (1),Lightning (1)
PECK ROAD	2021	63	8,201	3,186 Trees (28),No Specific Cause Found (7),Animal (7),Equipment Failure (6),Bird (3),Unique Incident (3),Weather (3),Planned/Scheduled (2),Lightning (2),Public Damage (2),Forced Outage/Emergency (1),Trees - Outside ROW (1)
PECK ROAD	2022	77	30,131	9,985 No Specific Cause Found (20),Trees (16),Equipment Failure (14),Animal (8),Weather (5),Transmission/Generation (3),Unique Incident (3),Forced Outage/Emergency (2),Lightning (2),Trees - Outside ROW (2),Car/Pole Accident (1),Bird (1)
PECK ROAD	2023	127	23,330	7,011 Trees (60),No Specific Cause Found (27),Weather (13),Equipment Failure (8),Lightning (5),Trees - Outside ROW (5),Unique Incident (4),Animal (2),Car/Pole Accident (1),Public Tree Trimming (1),Forced Outage/Emergency (1)
PECK ROAD	2024	115	18,321	8,975 No Specific Cause Found (32),Equipment Failure (19),Trees (18),Animal (12),Weather (11),Trees - Outside ROW (8),Bird (4),Unique Incident (4),Forced Outage/Emergency (3),Lightning (2),Public Damage (1),Car/Pole Accident (1)
STONEGATE	2020	52	9,411	4,185 Equipment Failure (18),Planned/Scheduled (12),Animal (9),Trees (4),Forced Outage/Emergency (3),Car/Pole Accident (2),No Specific Cause Found (2),Unique Incident (1),Lightning (1)
STONEGATE	2021	40	3,875	1,582 Animal (9),Equipment Failure (9),Planned/Scheduled (7),Weather (5),Public Damage (3),Trees (2),Car/Pole Accident (2),Unique Incident (1),Forced Outage/Emergency (1),Bird (1)
STONEGATE	2022	32	2,197	1,337 Animal (8),Equipment Failure (7),No Specific Cause Found (5),Trees (3),Unique Incident (2),Car/Pole Accident (2),Weather (2),Public Damage (1),Bird (1),Lightning (1)
STONEGATE	2023	37	13,306	4,401 Equipment Failure (18),Weather (7),No Specific Cause Found (3),Public Damage (3),Trees (2),Animal (2),Car/Pole Accident (1),Bird (1)
STONEGATE	2024	56	10,018	6,025 Equipment Failure (25),Animal (14),No Specific Cause Found (6),Trees (5),Weather (4),Car/Pole Accident (1),Trees - Outside ROW (1)
SHANTY CREEK	2020	7	1,934	357 Equipment Failure (4),Planned/Scheduled (3)
SHANTY CREEK	2021	9	3,797	840 Equipment Failure (7),No Specific Cause Found (2)
SHANTY CREEK	2022	7	7,859	1,155 Equipment Failure (3),Weather (2),Unique Incident (1),No Specific Cause Found (1)
SHANTY CREEK	2023	8	3,336	533 Equipment Failure (6),Public Damage (1),Animal (1)
SHANTY CREEK	2024	7	3,023	643 Equipment Failure (5),Forced Outage/Emergency (1),No Specific Cause Found (1)
BEAUGRAND	2020	17	1,241	239 No Specific Cause Found (4),Equipment Failure (4),Animal (2),Lightning (2),Trees - Outside ROW (2),Trees (2),Planned/Scheduled (1)
BEAUGRAND	2021	21	2,512	740 Equipment Failure (13),Animal (2),Trees - Outside ROW (2),Car/Pole Accident (2),Trees (1),Forced Outage/Emergency (1)
BEAUGRAND	2022	27	2,252	726 Equipment Failure (9),Trees (6),Animal (4),No Specific Cause Found (3),Unique Incident (2),Car/Pole Accident (1),Weather (1),Public Damage (1)
BEAUGRAND	2023	20	1,099	404 Equipment Failure (6),Trees (3),Public Damage (3),Animal (3),No Specific Cause Found (2),Lightning (2),Weather (1)
BEAUGRAND	2024	20	1,431	326 Equipment Failure (9),Animal (4),Public Damage (3),No Specific Cause Found (2),Weather (1),Forced Outage/Emergency (1)
EASTLAWN	2020	22	1,919	882 Trees (5),Planned/Scheduled (5),Forced Outage/Emergency (4),Equipment Failure (4),Trees - Outside ROW (2),Unique Incident (1),Weather (1)
EASTLAWN	2021	27	725	443 Planned/Scheduled (9),Trees (5),Forced Outage/Emergency (4),Equipment Failure (3),Unique Incident (2),Trees - Outside ROW (1),Weather (1),No Specific Cause Found (1),Bird (1)
EASTLAWN	2022	25	2,295	1,062 Equipment Failure (9),Bird (3),Animal (3),Unique Incident (3),No Specific Cause Found (2),Forced Outage/Emergency (2),Trees (2),Weather (1)
EASTLAWN	2023	20	2,896	842 Equipment Failure (9),No Specific Cause Found (5),Trees (4),Unique Incident (1),Forced Outage/Emergency (1)
EASTLAWN	2024	9	924	273 No Specific Cause Found (4),Equipment Failure (2),Weather (2),Bird (1)
OVID	2020	49	1,621	1,116 Planned/Scheduled (12),Equipment Failure (11),Trees (11),Unique Incident (1),Lightning (3),Weather (2),Animal (2),No Specific Cause Found (1)
OVID	2021	55	7,821	2,438 Trees (15),Planned/Scheduled (11),Weather (8),Unique Incident (6),Equipment Failure (5),Trees - Outside ROW (3),No Specific Cause Found (3),Lightning (1),Public Tree Trimming (1),Car/Pole Accident (1),Public Damage (1)
OVID	2022	42	11,190	520 Equipment Failure (13),Trees (6),Unique Incident (6),No Specific Cause Found (4),Forced Outage/Emergency (3),Animal (3),Bird (2),Lightning (2),Weather (1),Public Damage (1),Trees - Outside ROW (1)
OVID	2023	68	15,065	2,900 Weather (21),Trees (16),Equipment Failure (9),No Specific Cause Found (6),Animal (4),Unique Incident (4),Trees - Outside ROW (3),Forced Outage/Emergency (3),Bird (1),Lightning (1)
OVID	2024	67	4,839	1,654 Equipment Failure (22),Trees (10),No Specific Cause Found (8),Animal (7),Weather (4),Unique Incident (4),Lightning (3),Car/Pole Accident (2),Trees - Outside ROW (2),Forced Outage/Emergency (2),Public Damage (2),Bird (1)
STERNS ROAD	2020	99	4,702	1,608 Animal (28),Equipment Failure (13),Planned/Scheduled (13),Trees (13),No Specific Cause Found (11),Car/Pole Accident (8),Weather (5),Public Damage (4),Bird (2),Lightning (1),Unique Incident (1)
STERNS ROAD	2021	63	1,928	1,329 Trees (13),Animal (13),Planned/Scheduled (9),No Specific Cause Found (8),Equipment Failure (8),Lightning (4),Weather (3),Unique Incident (2),Forced Outage/Emergency (2),Public Damage (1)
STERNS ROAD	2022	55	3,641	2,349 Animal (26),Unique Incident (7),Trees (5),Equipment Failure (5),No Specific Cause Found (4),Weather (3),Car/Pole Accident (2),Trees - Outside ROW (1),Lightning (1),Bird (1)
STERNS ROAD	2023	52	1,366	665 Animal (12),No Specific Cause Found (11),Equipment Failure (7),Trees (7),Weather (6),Car/Pole Accident (5),Public Damage (2),Bird (2)
STERNS ROAD	2024	59	4,288	983 Animal (20),Weather (16),No Specific Cause Found (10),Equipment Failure (4),Public Damage (2),Forced Outage/Emergency (2),Unique Incident (1),Car/Pole Accident (1),Trees - Outside ROW (1),Trees (1),Bird (1)

LEFFINGWELL	2020	43	10,954	4,204 Equipment Failure (10),Animal (7),Trees (6),Planned/Scheduled (6),Public Damage (3),Car/Pole Accident (3),No Specific Cause Found (3),Unique Incident (2),Weather (2),Forced Outage/Emergency (1)
LEFFINGWELL	2021	53	9,496	4,955 Equipment Failure (23),Trees (6),Planned/Scheduled (6),Animal (5),Weather (3),Car/Pole Accident (3),Public Damage (2),Forced Outage/Emergency (2),No Specific Cause Found (1),Unique Incident (1),Bird (1)
LEFFINGWELL	2022	53	14,329	5,187 Equipment Failure (24),Trees (9),No Specific Cause Found (8),Animal (4),Unique Incident (2),Forced Outage/Emergency (2),Weather (2),Car/Pole Accident (1),Trees - Outside ROW (1)
LEFFINGWELL	2023	41	2,859	1,407 Equipment Failure (10),Trees (8),Animal (5),Public Damage (4),Car/Pole Accident (3),Forced Outage/Emergency (3),Weather (2),No Specific Cause Found (2),Lightning (1),Public Tree Trimming (1),Trees - Outside ROW (1),Unique Incident (1)
LEFFINGWELL	2024	52	7,838	2,081 Equipment Failure (17),Trees (12),Animal (8),Weather (5),Unique Incident (5),Car/Pole Accident (1),Trees - Outside ROW (1),Bird (1),No Specific Cause Found (1),Public Damage (1)
WEBSTER	2020	44	3,898	1,218 Equipment Failure (9),No Specific Cause Found (8),Forced Outage/Emergency (8),Planned/Scheduled (7),Trees (7),Public Damage (2),Trees - Outside ROW (1),Animal (1),Car/Pole Accident (1)
WEBSTER	2021	49	10,047	5,245 Planned/Scheduled (14),Trees (9),Equipment Failure (8),No Specific Cause Found (6),Forced Outage/Emergency (4),Weather (4),Unique Incident (4),Trees - Outside ROW (2),Bird (1)
WEBSTER	2022	36	8,944	1,154 Equipment Failure (13),Trees (9),Weather (4),Lightning (4),No Specific Cause Found (3),Forced Outage/Emergency (2),Unique Incident (1)
WEBSTER	2023	44	3,848	1,111 Trees (13),Weather (12),Equipment Failure (10),Animal (5),Unique Incident (2),Car/Pole Accident (1),Lightning (1)
WEBSTER	2024	25	2,045	976 Equipment Failure (12),Trees (3),Forced Outage/Emergency (3),Unique Incident (2),No Specific Cause Found (2),Trees - Outside ROW (1),Car/Pole Accident (1),Weather (1)
BEECH-NUT	2020	35	1,688	730 Trees (10),Animal (8),Equipment Failure (4),No Specific Cause Found (4),Weather (3),Car/Pole Accident (3),Planned/Scheduled (2),Trees - Outside ROW (1)
BEECH-NUT	2021	49	6,559	1,878 Planned/Scheduled (14),Trees (9),No Specific Cause Found (5),Animal (5),Lightning (5),Car/Pole Accident (2),Transmission/Generation (2),Trees - Outside ROW (2),Equipment Failure (2),Bird (1),Weather (1),Unique Incident (1)
BEECH-NUT	2022	31	7,333	2,415 Trees (8),Animal (6),Weather (6),No Specific Cause Found (5),Lightning (3),Unique Incident (1),Forced Outage/Emergency (1),Equipment Failure (1)
BEECH-NUT	2023	29	2,350	905 Equipment Failure (5),No Specific Cause Found (4),Trees (4),Animal (4),Trees - Outside ROW (4),Weather (3),Lightning (2),Public Damage (2),Unique Incident (1)
BEECH-NUT	2024	50	10,838	3,118 Trees (10),Equipment Failure (8),Animal (7),Lightning (6),No Specific Cause Found (6),Car/Pole Accident (4),Weather (3),Unique Incident (3),Trees - Outside ROW (2),Forced Outage/Emergency (1)
WATERTOWN	2020	6	32	20 Equipment Failure (2),Planned/Scheduled (1),Car/Pole Accident (1),No Specific Cause Found (1),Public Damage (1)
WATERTOWN	2021	7	89	32 Equipment Failure (5),Trees (1),Unique Incident (1)
WATERTOWN	2022	4	1,840	430 Public Tree Trimming (1),Transmission/Generation (1),Trees (1),Equipment Failure (1)
WATERTOWN	2023	7	874	696 Equipment Failure (3),Weather (2),Car/Pole Accident (1),Trees (1)
WATERTOWN	2024	9	211	71 Trees (3),Equipment Failure (3),No Specific Cause Found (2),Animal (1)
KOCHVILLE	2020	42	8,110	2,860 Equipment Failure (13),Trees (10),Planned/Scheduled (5),No Specific Cause Found (4),Public Damage (2),Animal (2),Forced Outage/Emergency (2),Unique Incident (1),Car/Pole Accident (1),Bird (1),Weather (1)
KOCHVILLE	2021	36	867	310 Trees (15),Equipment Failure (8),Animal (4),Unique Incident (2),Weather (2),No Specific Cause Found (2),Forced Outage/Emergency (2),Car/Pole Accident (1)
KOCHVILLE	2022	26	2,458	583 No Specific Cause Found (6),Animal (4),Weather (4),Equipment Failure (4),Trees (3),Car/Pole Accident (2),Lightning (1),Unique Incident (1),Forced Outage/Emergency (1)
KOCHVILLE	2023	12	461	805 Animal (4),Trees (3),Forced Outage/Emergency (2),Lightning (1),Unique Incident (1),Equipment Failure (1)
KOCHVILLE	2024	23	1,511	530 Equipment Failure (7),Trees (6),No Specific Cause Found (4),Unique Incident (2),Animal (2),Weather (2)
MICOR	2020	15	106	72 Planned/Scheduled (9),Equipment Failure (2),Trees (1),Public Damage (1),No Specific Cause Found (1),Car/Pole Accident (1)
MICOR	2021	10	351	95 Planned/Scheduled (5),Equipment Failure (2),No Specific Cause Found (1),Forced Outage/Emergency (1),Weather (1)
MICOR	2022	8	1,606	543 Equipment Failure (4),Trees (1),Public Damage (1),Unique Incident (1),No Specific Cause Found (1)
MICOR	2023	5	490	237 Equipment Failure (2),Trees (1),Weather (1),Bird (1)
MICOR	2024	8	131	52 Trees (4),Lightning (1),Equipment Failure (1),No Specific Cause Found (1),Bird (1)
CENTER ROAD	2020	32	5,087	1,086 Planned/Scheduled (8),Trees (6),Equipment Failure (5),No Specific Cause Found (3),Unique Incident (2),Weather (2),Animal (2),Car/Pole Accident (1),Public Damage (1),Lightning (1),Forced Outage/Emergency (1)
CENTER ROAD	2021	24	1,691	738 Trees (7),Forced Outage/Emergency (5),Planned/Scheduled (4),Equipment Failure (3),Trees - Outside ROW (1),Weather (1),Car/Pole Accident (1),Unique Incident (1),No Specific Cause Found (1)
CENTER ROAD	2022	26	2,864	702 Equipment Failure (8),Trees (8),Animal (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Public Tree Trimming (1),Weather (1)
CENTER ROAD	2023	7	798	58 Trees (5),Unique Incident (1),Animal (1)
CENTER ROAD	2024	16	382	195 Trees (6),Animal (3),Unique Incident (2),Forced Outage/Emergency (2),Equipment Failure (1),No Specific Cause Found (1),Trees - Outside ROW (1)
FERRIS STREET	2020	20	2,605	1,638 Equipment Failure (8),Trees (4),No Specific Cause Found (2),Forced Outage/Emergency (2),Planned/Scheduled (2),Lightning (1),Trees - Outside ROW (1)
FERRIS STREET	2021	20	2,180	1,019 Trees (7),Trees - Outside ROW (4),Equipment Failure (4),Bird (1),No Specific Cause Found (1),Lightning (1),Planned/Scheduled (1),Unique Incident (1)
FERRIS STREET	2022	5	81	33 Animal (2),Equipment Failure (2),Weather (1)
FERRIS STREET	2023	13	4,914	3,310 Equipment Failure (6),Trees (3),Animal (2),No Specific Cause Found (1),Unique Incident (1)
FERRIS STREET	2024	7	565	160 No Specific Cause Found (3),Trees (2),Equipment Failure (1),Animal (1)
SHAFFER	2020	31	23,122	5,307 Equipment Failure (10),Planned/Scheduled (9),Public Damage (3),Animal (3),Forced Outage/Emergency (2),Unique Incident (2),Lightning (1),No Specific Cause Found (1)
SHAFFER	2021	18	6,885	2,097 Equipment Failure (9),Planned/Scheduled (5),Public Damage (2),No Specific Cause Found (1),Animal (1)
SHAFFER	2022	11	1,777	1,304 Equipment Failure (5),Public Damage (4),Unique Incident (1),No Specific Cause Found (1)
SHAFFER	2023	3	336	183 Bird (1),No Specific Cause Found (1),Equipment Failure (1)
SHAFFER	2024	7	224	221 Equipment Failure (3),Unique Incident (2),Public Damage (1),Car/Pole Accident (1)
NINETEEN MILE RD	2020	72	1,908	978 Animal (25),Equipment Failure (10),Planned/Scheduled (10),No Specific Cause Found (10),Trees (8),Lightning (2),Weather (2),Public Damage (2),Unique Incident (1),Trees - Outside ROW (1),Car/Pole Accident (1)
NINETEEN MILE RD	2021	55	2,760	1,055 Animal (14),Trees (14),Equipment Failure (12),Planned/Scheduled (5),Lightning (4),Weather (3),Bird (1),Unique Incident (1),Public Damage (1)
NINETEEN MILE RD	2022	72	7,052	1,827 Trees (28),Equipment Failure (18),Animal (11),No Specific Cause Found (5),Weather (6),Unique Incident (1),Forced Outage/Emergency (1),Lightning (1),Public Damage (1),Trees - Outside ROW (1)
NINETEEN MILE RD	2023	54	2,444	892 Animal (15),Equipment Failure (12),Trees (8),No Specific Cause Found (7),Weather (3),Lightning (3),Forced Outage/Emergency (2),Trees - Outside ROW (2),Public Damage (1),Unique Incident (1)
NINETEEN MILE RD	2024	69	5,943	2,743 Animal (18),Trees (17),No Specific Cause Found (12),Equipment Failure (9),Trees - Outside ROW (7),Forced Outage/Emergency (2),Lightning (1),Unique Incident (1),Weather (1),Car/Pole Accident (1)
CHAPIN	2020	57	9,885	2,913 Equipment Failure (13),Trees (8),Planned/Scheduled (5),Trees - Outside ROW (5),Unique Incident (5),Animal (4),Public Damage (4),No Specific Cause Found (4),Car/Pole Accident (3),Weather (2),Bird (2),Lightning (1),Forced Outage/Emergency (1)
CHAPIN	2021	62	11,804	2,432 Equipment Failure (17),Trees (9),Weather (9),Unique Incident (7),Planned/Scheduled (7),Trees - Outside ROW (3),Lightning (2),Animal (2),Car/Pole Accident (2),Public Damage (2),No Specific Cause Found (2)
CHAPIN	2022	30	1,348	329 Equipment Failure (9),Trees (6),Animal (5),No Specific Cause Found (4),Unique Incident (3),Weather (2),Trees - Outside ROW (1)
CHAPIN	2023	44	3,440	924 Unique Incident (10),Trees (9),Equipment Failure (6),Animal (5),Weather (5),No Specific Cause Found (5),Bird (3),Lightning (1)
CHAPIN	2024	44	4,100	1,897 Unique Incident (12),Trees (10),Equipment Failure (6),Animal (6),No Specific Cause Found (5),Weather (3),Trees - Outside ROW (1),Forced Outage/Emergency (1)
RED CEDAR	2020	19	394	592 Planned/Scheduled (9),Equipment Failure (5),Animal (2),Trees (2),Trees - Outside ROW (1)
RED CEDAR	2021	16	114	95 Planned/Scheduled (9),Equipment Failure (5),Weather (1),Trees (1)
RED CEDAR	2022	10	5,268	1,402 Equipment Failure (5),No Specific Cause Found (2),Trees (2),Weather (1)
RED CEDAR	2023	17	647	126 Car/Pole Accident (9),No Specific Cause Found (2),Equipment Failure (2),Animal (2),Trees (1),Unique Incident (1)
RED CEDAR	2024	13	996	167 Trees (5),Equipment Failure (3),No Specific Cause Found (2),Animal (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
HARRIETTA	2020	62	13,473	4,771 Equipment Failure (17),Trees (14),Trees - Outside ROW (13),No Specific Cause Found (9),Forced Outage/Emergency (3),Planned/Scheduled (2),Animal (1),Lightning (1),Weather (1),Public Damage (1),Bird (1)
HARRIETTA	2021	76	20,068	4,659 Equipment Failure (19),Trees (13),Trees - Outside ROW (8),Planned/Scheduled (9),Unique Incident (3),Animal (5),Lightning (4),Forced Outage/Emergency (3),Car/Pole Accident (2),No Specific Cause Found (2),Public Damage (1),Public Tree Trimming (1)
HARRIETTA	2022	53	19,402	5,916 Trees - Outside ROW (19),Trees (10),Equipment Failure (6),No Specific Cause Found (6),Weather (5),Bird (2),Animal (2),Forced Outage/Emergency (2),Unique Incident (1)
HARRIETTA	2023	60	22,303	8,393 Trees - Outside ROW (23),Equipment Failure (12),Weather (8),No Specific Cause Found (7),Trees (6),Unique Incident (4)
HARRIETTA	2024	65	10,453	4,049 Trees - Outside ROW (31),Trees (9),Unique Incident (7),Weather (5),Equipment Failure (4),No Specific Cause Found (4),Lightning (3),Forced Outage/Emergency (1),Animal (1)
SURREY	2020	54	2,786	1,445 Trees (16),Equipment Failure (7),No Specific Cause Found (6),Unique Incident (6),Forced Outage/Emergency (5),Weather (4),Animal (4),Trees - Outside ROW (3),Planned/Scheduled (3)
SURREY	2021	83	22,789	7,732 Trees (30),Weather (13),Equipment Failure (12),No Specific Cause Found (10),Planned/Scheduled (5),Unique Incident (4),Animal (3),Trees - Outside ROW (2),Car/Pole Accident (1),Forced Outage/Emergency (1),Public Damage (1),Bird (1)
SURREY	2022	66	11,939	6,555 Trees (31),Trees - Outside ROW (7),No Specific Cause Found (7),Transmission/Generation (6),Equipment Failure (5),Unique Incident (5),Animal (3),Lightning (2)
SURREY	2023	71	4,148	2,111 Trees (19),Equipment Failure (12),Animal (9),Trees - Outside ROW (8),No Specific Cause Found (8),Unique Incident (6),Weather (5),Bird (1),Lightning (1),Public Damage (1),Forced Outage/Emergency (1)
SURREY	2024	66	5,983	1,836 Trees (15),Animal (10),Equipment Failure (9),Weather (9),No Specific Cause Found (8),Trees - Outside ROW (7),Unique Incident (4),Forced Outage/Emergency (2),Lightning (1),Bird (1)
BARNUM CREEK	2020	3	49	14 Trees (2),Equipment Failure (1)
BARNUM CREEK	2021	2	11	10 Trees (1),Planned/Scheduled (1)
BARNUM CREEK	2022	2	4	3 Equipment Failure (1),No Specific Cause Found (1)
BARNUM CREEK	2024	7	155	71 Equipment Failure (3),Animal (1),Weather (1),No Specific Cause Found (1),Unique Incident (1)
COLONY FARM	2020	8	793	304 No Specific Cause Found (2),Equipment Failure (2),Weather (1),Trees (1),Animal (1),Unique Incident (1)
COLONY FARM	2021	7	1,350	420 Trees (4),Equipment Failure (2),No Specific Cause Found (1)
COLONY FARM	2022	5	1,522	616 Equipment Failure (3),Weather (1),Trees - Outside ROW (1)
COLONY FARM	2023	7	1,044	376 Equipment Failure (3),Animal (2),Weather (1),No Specific Cause Found (1)
COLONY FARM	2024	2	132	92 Animal (1),No Specific Cause Found (1)
MIDWAY	2020	12	2,130	1,286 Planned/Scheduled (5),Equipment Failure (3),Unique Incident (2),Weather (1),No Specific Cause Found (1)
MIDWAY	2021	22	5,445	1,803 Equipment Failure (7),Planned/Scheduled (4),Trees (3),Bird (2),Weather (2),Unique Incident (1),Public Damage (1),Transmission/Generation (1),Lightning (1)
MIDWAY	2022	12	4,560	1,277 Trees (5),Animal (2),Car/Pole Accident (1),Trees - Outside ROW (1),Weather (1),Bird (1),No Specific Cause Found (1)
MIDWAY	2023	8	1,055	869 Equipment Failure (2),Trees (2),Weather (1),Trees - Outside ROW (1),Bird (1),No Specific Cause Found (1)

MIDWAY	2024	8	2,753	870 Animal (3),Weather (2),Equipment Failure (1),Trees (1),Unique Incident (1)
LOCH ERIN	2020	21	2,661	666 Trees (6),Trees - Outside ROW (5),Equipment Failure (3),Weather (2),Planned/Scheduled (2),No Specific Cause Found (2),Lightning (1)
LOCH ERIN	2021	23	855	189 Equipment Failure (7),Trees (5),No Specific Cause Found (5),Planned/Scheduled (3),Weather (1),Animal (1),Unique Incident (1)
LOCH ERIN	2022	46	6,195	1,287 No Specific Cause Found (14),Trees (11),Equipment Failure (9),Weather (5),Trees - Outside ROW (3),Unique Incident (2),Animal (1),Lightning (1)
LOCH ERIN	2023	45	2,515	737 Weather (20),No Specific Cause Found (13),Equipment Failure (5),Trees (2),Unique Incident (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
LOCH ERIN	2024	9	601	269 No Specific Cause Found (4),Transmission/Generation (1),Public Damage (1),Weather (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
FILLMORE	2020	49	5,915	1,544 Animal (15),Trees (13),Equipment Failure (7),Car/Pole Accident (5),Weather (3),Public Damage (1),Trees - Outside ROW (1),No Specific Cause Found (1),Planned/Scheduled (1),Unique Incident (1),Forced Outage/Emergency (1)
FILLMORE	2021	42	5,042	1,897 Animal (6),Trees (8),Equipment Failure (6),No Specific Cause Found (6),Trees - Outside ROW (6),Planned/Scheduled (3),Unique Incident (2),Weather (1),Forced Outage/Emergency (1),Bird (1)
FILLMORE	2022	34	4,697	1,841 Trees (13),Animal (9),No Specific Cause Found (5),Equipment Failure (2),Bird (1),Weather (1),Forced Outage/Emergency (1),Unique Incident (1),Trees - Outside ROW (1)
FILLMORE	2023	54	6,093	2,573 Animal (13),Trees - Outside ROW (8),Trees (7),No Specific Cause Found (6),Lightning (5),Forced Outage/Emergency (3),Weather (3),Equipment Failure (3),Unique Incident (2),Car/Pole Accident (2),Public Tree Trimming (1),Public Damage (1)
FILLMORE	2024	47	3,367	846 Animal (16),Trees (9),Equipment Failure (6),No Specific Cause Found (5),Trees - Outside ROW (4),Weather (2),Lightning (2),Car/Pole Accident (1),Forced Outage/Emergency (1),Unique Incident (1)
ROUND LAKE	2020	26	1,441	731 No Specific Cause Found (9),Trees (6),Weather (4),Planned/Scheduled (2),Equipment Failure (2),Bird (1),Lightning (1),Animal (1)
ROUND LAKE	2021	37	3,492	942 Planned/Scheduled (20),Trees (8),Equipment Failure (4),No Specific Cause Found (3),Public Damage (1),Animal (1)
ROUND LAKE	2022	20	1,054	419 Trees (7),No Specific Cause Found (5),Equipment Failure (4),Weather (2),Lightning (1),Unique Incident (1)
ROUND LAKE	2023	24	1,406	1,328 Trees (7),Weather (5),No Specific Cause Found (4),Equipment Failure (3),Unique Incident (2),Trees - Outside ROW (1),Animal (1),Public Damage (1)
ROUND LAKE	2024	15	423	149 Unique Incident (5),Weather (2),Trees - Outside ROW (2),Animal (2),Car/Pole Accident (1),Equipment Failure (1),Trees (1),No Specific Cause Found (1)
TEFT ROAD	2020	39	1,994	582 Trees (12),Equipment Failure (12),Planned/Scheduled (6),No Specific Cause Found (4),Animal (2),Weather (1),Trees - Outside ROW (1),Unique Incident (1)
TEFT ROAD	2021	41	4,517	1,230 Trees (15),Equipment Failure (9),Forced Outage/Emergency (4),No Specific Cause Found (3),Animal (2),Public Damage (2),Trees - Outside ROW (1),Lightning (1)
TEFT ROAD	2022	34	4,925	1,955 Trees (13),Equipment Failure (12),No Specific Cause Found (4),Weather (3),Unique Incident (1),Forced Outage/Emergency (1)
TEFT ROAD	2023	18	4,267	1,245 Trees (5),No Specific Cause Found (3),Equipment Failure (3),Unique Incident (3),Animal (3),Trees - Outside ROW (1)
TEFT ROAD	2024	34	2,249	484 Equipment Failure (6),Weather (7),Trees (7),No Specific Cause Found (5),Animal (3),Unique Incident (3),Forced Outage/Emergency (1)
SAVIDGE	2020	38	2,277	704 Trees (15),Equipment Failure (8),Animal (4),Planned/Scheduled (3),Forced Outage/Emergency (3),No Specific Cause Found (2),Weather (1),Unique Incident (1),Trees - Outside ROW (1)
SAVIDGE	2021	42	4,982	2,209 Animal (11),Trees (11),Equipment Failure (7),Planned/Scheduled (6),Trees - Outside ROW (2),Car/Pole Accident (1),Forced Outage/Emergency (1),Weather (1),No Specific Cause Found (1)
SAVIDGE	2022	35	1,037	624 Animal (13),Equipment Failure (8),Trees (4),No Specific Cause Found (4),Trees - Outside ROW (3),Bird (1),Unique Incident (1),Forced Outage/Emergency (1)
SAVIDGE	2023	34	1,302	544 Animal (14),Trees (11),Equipment Failure (3),Public Damage (3),No Specific Cause Found (2),Trees - Outside ROW (1)
SAVIDGE	2024	66	4,662	1,800 Animal (18),Trees (17),Equipment Failure (12),Weather (7),No Specific Cause Found (6),Forced Outage/Emergency (2),Trees - Outside ROW (2),Car/Pole Accident (1),Lightning (1)
HURON	2020	11	68	53 Planned/Scheduled (5),Equipment Failure (2),No Specific Cause Found (1),Trees (1),Trees - Outside ROW (1),Unique Incident (1)
HURON	2021	32	1,889	929 Planned/Scheduled (12),Equipment Failure (9),Unique Incident (3),Trees (3),Car/Pole Accident (2),No Specific Cause Found (2),Public Damage (1)
HURON	2022	17	2,357	737 Weather (6),Trees (4),Animal (4),Equipment Failure (2),Forced Outage/Emergency (1)
HURON	2023	15	151	99 Equipment Failure (8),Car/Pole Accident (3),Trees (1),Public Damage (1),Weather (1),Bird (1)
HURON	2024	14	995	423 Trees (5),Equipment Failure (3),Unique Incident (2),Lightning (1),Forced Outage/Emergency (1),No Specific Cause Found (1),Animal (1)
COGGINS	2020	37	2,238	783 Trees (16),Equipment Failure (5),Forced Outage/Emergency (3),Weather (3),Animal (2),Public Damage (1),Trees - Outside ROW (1),Planned/Scheduled (1),Lightning (1),No Specific Cause Found (1),Unique Incident (1)
COGGINS	2021	38	1,733	554 Trees (14),Equipment Failure (7),Forced Outage/Emergency (5),Trees - Outside ROW (3),Planned/Scheduled (3),Bird (2),Public Damage (1),Weather (1),No Specific Cause Found (1),Unique Incident (1)
COGGINS	2022	47	3,031	979 Trees (17),Equipment Failure (11),Trees - Outside ROW (6),No Specific Cause Found (4),Unique Incident (3),Animal (3),Weather (1),Bird (1),Forced Outage/Emergency (1)
COGGINS	2023	24	1,509	237 Trees (9),Trees - Outside ROW (5),Equipment Failure (4),Animal (2),Unique Incident (1),Public Damage (1),Bird (1),Lightning (1)
COGGINS	2024	45	1,905	502 Trees (22),Equipment Failure (7),Animal (5),Weather (4),Trees - Outside ROW (3),Public Damage (2),No Specific Cause Found (1),Public Tree Trimming (1)
SQUIRE HILL	2020	58	10,985	3,727 Equipment Failure (19),Trees (17),Car/Pole Accident (5),Forced Outage/Emergency (4),Unique Incident (4),Planned/Scheduled (4),No Specific Cause Found (2),Weather (2),Lightning (1)
SQUIRE HILL	2021	54	3,647	645 Trees (13),Forced Outage/Emergency (11),Equipment Failure (9),Planned/Scheduled (7),Weather (6),No Specific Cause Found (4),Unique Incident (4)
SQUIRE HILL	2022	50	10,151	1,869 Trees (15),Equipment Failure (11),Forced Outage/Emergency (6),Unique Incident (5),No Specific Cause Found (5),Weather (4),Car/Pole Accident (2),Trees - Outside ROW (1),Public Damage (1)
SQUIRE HILL	2023	62	11,178	2,067 Equipment Failure (22),Trees (22),Weather (7),No Specific Cause Found (4),Forced Outage/Emergency (3),Public Damage (2),Animal (1),Car/Pole Accident (1)
SQUIRE HILL	2024	63	6,304	1,285 Trees (20),Unique Incident (12),Forced Outage/Emergency (11),Equipment Failure (10),No Specific Cause Found (6),Weather (2),Lightning (1),Public Damage (1)
KNAPP	2020	42	4,685	1,944 Trees (14),Animal (9),Equipment Failure (7),Car/Pole Accident (3),Weather (3),Planned/Scheduled (2),Public Damage (2),No Specific Cause Found (2)
KNAPP	2021	41	7,645	856 Equipment Failure (9),Trees (8),Animal (7),Planned/Scheduled (6),Unique Incident (3),Weather (2),Car/Pole Accident (2),No Specific Cause Found (2),Public Damage (1),Trees - Outside ROW (1)
KNAPP	2022	29	1,221	340 Equipment Failure (7),Trees (7),Animal (5),No Specific Cause Found (5),Weather (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Unique Incident (1)
KNAPP	2023	50	12,003	4,238 Trees (12),Weather (10),Animal (10),Trees - Outside ROW (4),No Specific Cause Found (4),Unique Incident (4),Equipment Failure (3),Lightning (2),Car/Pole Accident (1)
KNAPP	2024	35	4,999	1,320 Animal (14),Trees (9),Weather (3),Equipment Failure (2),No Specific Cause Found (2),Transmission/Generation (2),Forced Outage/Emergency (2),Lightning (1)
GILKEY CREEK	2020	43	12,254	8,645 Planned/Scheduled (16),Equipment Failure (11),Weather (5),Forced Outage/Emergency (4),No Specific Cause Found (3),Animal (2),Trees (2)
GILKEY CREEK	2021	47	2,070	644 Trees (12),Planned/Scheduled (11),Weather (7),Forced Outage/Emergency (6),Equipment Failure (5),Bird (2),Unique Incident (2),Animal (1),No Specific Cause Found (1)
GILKEY CREEK	2022	29	974	226 Equipment Failure (12),Trees (9),Forced Outage/Emergency (5),No Specific Cause Found (1),Public Damage (1),Animal (1),Unique Incident (1),Weather (1)
GILKEY CREEK	2023	25	1,870	747 Equipment Failure (11),Trees (8),Animal (2),Weather (1),Lightning (1),No Specific Cause Found (1),Unique Incident (1)
GILKEY CREEK	2024	27	2,029	2,075 Equipment Failure (7),Trees (7),Forced Outage/Emergency (5),Weather (4),Bird (1),Car/Pole Accident (1),Trees - Outside ROW (1),Public Damage (1)
JEFFS ROAD	2020	56	2,084	603 Equipment Failure (19),Animal (12),Trees (9),Planned/Scheduled (4),No Specific Cause Found (3),Public Damage (2),Public Tree Trimming (2),Weather (2),Car/Pole Accident (1),Lightning (1),Unique Incident (1)
JEFFS ROAD	2021	93	15,156	3,201 Planned/Scheduled (36),Trees (18),Animal (12),Equipment Failure (7),Car/Pole Accident (6),No Specific Cause Found (4),Weather (4),Unique Incident (2),Trees - Outside ROW (2),Public Damage (1),Forced Outage/Emergency (1)
JEFFS ROAD	2022	40	2,024	742 Animal (13),Trees (6),Equipment Failure (6),No Specific Cause Found (5),Trees - Outside ROW (4),Weather (3),Unique Incident (1),Lightning (1),Public Damage (1)
JEFFS ROAD	2023	41	3,903	2,947 Trees (9),Animal (6),Equipment Failure (6),Forced Outage/Emergency (4),No Specific Cause Found (4),Weather (4),Trees - Outside ROW (3),Public Damage (2),Lightning (1),Car/Pole Accident (1),Unique Incident (1)
JEFFS ROAD	2024	36	1,619	697 Animal (12),Equipment Failure (8),No Specific Cause Found (7),Trees - Outside ROW (5),Weather (2),Trees (1),Forced Outage/Emergency (1)
GILSON	2020	46	5,340	2,590 Trees (13),Animal (7),No Specific Cause Found (6),Equipment Failure (5),Weather (5),Forced Outage/Emergency (3),Planned/Scheduled (2),Transmission/Generation (2),Car/Pole Accident (2),Lightning (1)
GILSON	2021	30	2,098	679 Trees (14),Equipment Failure (6),Planned/Scheduled (4),Lightning (2),Car/Pole Accident (1),Animal (1),Weather (1),No Specific Cause Found (1)
GILSON	2022	43	2,685	1,056 Trees (15),Animal (8),Equipment Failure (6),Weather (4),Lightning (4),No Specific Cause Found (3),Bird (1),Unique Incident (1),Public Damage (1)
GILSON	2023	34	3,030	530 Trees (18),Weather (5),Equipment Failure (4),Lightning (4),Unique Incident (1),No Specific Cause Found (1),Public Damage (1),Unique Incident (1)
GILSON	2024	28	957	283 Trees (14),Equipment Failure (4),No Specific Cause Found (3),Unique Incident (2),Public Damage (1),Weather (1),Trees - Outside ROW (1),Animal (1),Forced Outage/Emergency (1)
ROGUE RIVER	2020	45	6,398	3,152 Equipment Failure (13),Animal (7),Trees (10),No Specific Cause Found (4),Weather (2),Lightning (2),Public Damage (1),Trees - Outside ROW (1),Public Tree Trimming (1),Unique Incident (1)
ROGUE RIVER	2021	62	14,359	7,133 Equipment Failure (21),Trees (10),Planned/Scheduled (9),Public Damage (8),Animal (4),Trees - Outside ROW (3),Car/Pole Accident (2),Public Tree Trimming (2),Forced Outage/Emergency (1),Unique Incident (1),Weather (1)
ROGUE RIVER	2022	51	3,228	496 Equipment Failure (13),Trees (11),Trees - Outside ROW (7),Animal (6),Unique Incident (3),No Specific Cause Found (3),Public Damage (2),Weather (2),Bird (2),Forced Outage/Emergency (1),Lightning (1)
ROGUE RIVER	2023	45	1,251	603 Equipment Failure (14),Trees (11),Animal (8),No Specific Cause Found (3),Weather (3),Public Damage (2),Unique Incident (2),Trees - Outside ROW (1),Car/Pole Accident (1)
ROGUE RIVER	2024	54	1,724	816 Trees (21),Animal (11),No Specific Cause Found (9),Equipment Failure (4),Public Damage (3),Weather (2),Trees - Outside ROW (2),Unique Incident (1),Forced Outage/Emergency (1)
MORLEY	2020	23	584	690 Planned/Scheduled (7),Equipment Failure (4),Unique Incident (3),Weather (2),Animal (2),Trees (2),Bird (1),Forced Outage/Emergency (1),Trees - Outside ROW (1)
MORLEY	2021	14	2,003	713 Trees (4),Equipment Failure (3),Animal (2),Forced Outage/Emergency (2),Lightning (1),Weather (1),Bird (1)
MORLEY	2022	21	1,025	532 Weather (7),Trees (5),Public Damage (3),Trees - Outside ROW (2),Equipment Failure (1),Car/Pole Accident (1),Animal (1),No Specific Cause Found (1)
MORLEY	2023	9	1,548	352 Equipment Failure (2),Weather (2),Bird (1),Trees (1),Trees - Outside ROW (1),No Specific Cause Found (1),Unique Incident (1)
MORLEY	2024	16	2,929	622 Trees (7),Equipment Failure (3),Unique Incident (2),Car/Pole Accident (1),No Specific Cause Found (1),Weather (1),Animal (1)
LENNON ROAD	2020	24	702	533 Equipment Failure (9),Trees (5),Forced Outage/Emergency (4),No Specific Cause Found (1),Unique Incident (1),Planned/Scheduled (1),Car/Pole Accident (1),Weather (1),Public Damage (1)
LENNON ROAD	2021	18	5,841	1,356 Equipment Failure (6),Trees (3),Planned/Scheduled (3),Weather (2),Public Damage (1),Unique Incident (1),No Specific Cause Found (1),Forced Outage/Emergency (1)
LENNON ROAD	2022	42	3,803	1,366 Equipment Failure (11),Weather (10),Trees (6),Forced Outage/Emergency (5),Unique Incident (4),No Specific Cause Found (3),Animal (2),Bird (1)
LENNON ROAD	2023	16	2,409	339 Equipment Failure (5),Weather (3),Trees (2),No Specific Cause Found (2),Car/Pole Accident (1),Animal (1),Lightning (1),Forced Outage/Emergency (1)
LENNON ROAD	2024	44	5,295	1,985 Weather (14),Trees (10),Equipment Failure (9),No Specific Cause Found (8),Lightning (2),Forced Outage/Emergency (1),Unique Incident (1)
WESTERVELT	2020	20	554	230 Equipment Failure (9),No Specific Cause Found (4),Planned/Scheduled (5),Trees (2),Forced Outage/Emergency (1),Weather (1)
WESTERVELT	2021	38	5,095	2,150 Trees (15),Weather (7),Unique Incident (4),Planned/Scheduled (4),No Specific Cause Found (2),Equipment Failure (2),Car/Pole Accident (1),Public Damage (1),Forced Outage/Emergency (1),Trees - Outside ROW (1)
WESTERVELT	2022	15	598	201 No Specific Cause Found (8),Trees (4),Equipment Failure (3)
WESTERVELT	2023	21	6,966	1,572 Trees (10),Weather (5),Equipment Failure (3),No Specific Cause Found (1),Animal (1),Unique Incident (1)
WESTERVELT	2024	23	2,272	361 Equipment Failure (6),No Specific Cause Found (5),Trees (4),Unique Incident (3),Animal (2),Bird (2),Weather (1)
ELLIS	2020	69	4,744	2,081 Animal (20),Equipment Failure (12),No Specific Cause Found (8),Trees (7),Planned/Scheduled (6),Weather (5),Forced Outage/Emergency (5),Trees - Outside ROW (4),Car/Pole Accident (2)
ELLIS	2021	65	8,634	2,551 Trees (20),Equipment Failure (11),No Specific Cause Found (10),Animal (9),Weather (7),Planned/Scheduled (4),Car/Pole Accident (2),Trees - Outside ROW (2)

ELLIS	2022	70	6,713	2,171 Animal (24),Trees (14),Equipment Failure (11),No Specific Cause Found (6),Trees - Outside ROW (6),Weather (4),Bird (2),Lightning (2),Forced Outage/Emergency (1)
ELLIS	2023	65	3,460	1,615 Animal (32),Trees (13),No Specific Cause Found (9),Equipment Failure (5),Trees - Outside ROW (5),Unique Incident (1)
ELLIS	2024	63	1,839	458 Trees (29),Animal (11),Equipment Failure (9),Weather (5),No Specific Cause Found (3),Unique Incident (2),Trees - Outside ROW (2),Forced Outage/Emergency (2)
CHAFFEE	2020	5	17	8 Equipment Failure (2),Animal (2),Bird (1)
CHAFFEE	2021	12	1,466	623 Equipment Failure (5),Animal (2),Trees (2),No Specific Cause Found (2),Weather (1)
CHAFFEE	2022	15	4,245	773 Animal (6),Equipment Failure (5),Weather (2),Unique Incident (2)
CHAFFEE	2023	12	678	464 Equipment Failure (3),Public Damage (3),Forced Outage/Emergency (2),Animal (2),Unique Incident (1),Trees (1)
CHAFFEE	2024	10	361	71 No Specific Cause Found (4),Equipment Failure (3),Animal (2),Weather (1)
HANSEN	2020	35	11,585	5,600 Equipment Failure (11),Animal (9),Planned/Scheduled (5),Unique Incident (3),Forced Outage/Emergency (2),Trees (2),Public Damage (1),Car/Pole Accident (1),No Specific Cause Found (1)
HANSEN	2021	29	6,821	3,186 Planned/Scheduled (10),Equipment Failure (9),Animal (4),No Specific Cause Found (2),Public Damage (1),Trees (1),Car/Pole Accident (1),Weather (1)
HANSEN	2022	13	412	267 Trees (6),Equipment Failure (3),No Specific Cause Found (2),Animal (1),Unique Incident (1)
HANSEN	2023	12	3,385	2,223 Animal (3),Equipment Failure (3),Public Damage (2),Trees (2),No Specific Cause Found (1),Car/Pole Accident (1)
HANSEN	2024	28	2,059	1,472 No Specific Cause Found (5),Equipment Failure (5),Animal (5),Forced Outage/Emergency (4),Trees (3),Weather (2),Public Damage (2),Bird (1),Unique Incident (1)
FOURTEENTH STREET	2020	91	12,129	4,850 Trees (25),Equipment Failure (25),No Specific Cause Found (15),Weather (8),Planned/Scheduled (7),Forced Outage/Emergency (5),Car/Pole Accident (3),Trees - Outside ROW (2),Animal (1)
FOURTEENTH STREET	2021	126	15,332	7,909 Trees (42),Equipment Failure (19),Forced Outage/Emergency (18),Weather (14),Planned/Scheduled (11),No Specific Cause Found (10),Unique Incident (8),Animal (2),Public Damage (1),Car/Pole Accident (1)
FOURTEENTH STREET	2022	96	9,917	2,667 Trees (34),Equipment Failure (20),Forced Outage/Emergency (12),No Specific Cause Found (7),Unique Incident (7),Car/Pole Accident (7),Weather (4),Trees - Outside ROW (2),Public Damage (2),Animal (1)
FOURTEENTH STREET	2023	67	4,504	1,171 Trees (23),Equipment Failure (13),No Specific Cause Found (10),Forced Outage/Emergency (9),Unique Incident (5),Public Damage (2),Car/Pole Accident (2),Animal (1),Bird (1),Trees - Outside ROW (1)
FOURTEENTH STREET	2024	107	7,729	3,154 Trees (32),Equipment Failure (31),Forced Outage/Emergency (16),Weather (7),No Specific Cause Found (6),Unique Incident (4),Car/Pole Accident (3),Public Tree Trimming (2),Public Damage (2),Bird (1),Lightning (1),Animal (1),Trees - Outside ROW (1)
ALDRICH	2020	27	6,080	1,843 Trees (9),Equipment Failure (4),Car/Pole Accident (4),No Specific Cause Found (3),Planned/Scheduled (2),Public Damage (2),Animal (2),Public Tree Trimming (1)
ALDRICH	2021	24	9,479	3,463 Weather (6),Forced Outage/Emergency (5),Car/Pole Accident (4),Trees (2),Public Damage (2),Equipment Failure (2),Planned/Scheduled (1),Unique Incident (1),Trees - Outside ROW (1)
ALDRICH	2022	26	5,731	1,537 Forced Outage/Emergency (7),Trees (5),Weather (5),Equipment Failure (4),No Specific Cause Found (2),Car/Pole Accident (2),Public Damage (1)
ALDRICH	2023	32	2,424	1,068 Unique Incident (8),Equipment Failure (8),Weather (6),Trees (4),Car/Pole Accident (2),No Specific Cause Found (2),Public Damage (1),Forced Outage/Emergency (1)
ALDRICH	2024	21	1,615	516 Animal (6),Equipment Failure (3),Forced Outage/Emergency (3),Trees (2),Car/Pole Accident (2),Weather (2),Unique Incident (1),No Specific Cause Found (1),Public Damage (1)
THOMAS	2020	42	4,082	1,603 Trees (12),Equipment Failure (6),No Specific Cause Found (5),Planned/Scheduled (5),Weather (5),Forced Outage/Emergency (4),Unique Incident (3),Animal (1),Trees - Outside ROW (1)
THOMAS	2021	26	2,057	763 Trees (11),Equipment Failure (5),Car/Pole Accident (3),Planned/Scheduled (2),Forced Outage/Emergency (2),Bird (2),No Specific Cause Found (1)
THOMAS	2022	14	116	32 Trees (7),Equipment Failure (4),No Specific Cause Found (2),Bird (1)
THOMAS	2023	28	2,598	791 Equipment Failure (7),Trees (5),Trees - Outside ROW (5),Unique Incident (5),No Specific Cause Found (2),Public Damage (2),Weather (2)
THOMAS	2024	24	2,283	493 Trees (7),Equipment Failure (6),Unique Incident (3),Animal (2),No Specific Cause Found (2),Lightning (1),Car/Pole Accident (1),Trees - Outside ROW (1),Weather (1)
ALAMO	2020	252	45,699	7,171 Trees (103),Equipment Failure (41),Animal (31),Weather (25),No Specific Cause Found (20),Trees - Outside ROW (12),Unique Incident (6),Planned/Scheduled (5),Forced Outage/Emergency (3),Public Damage (3),Lightning (2),Car/Pole Accident (1)
ALAMO	2021	320	107,232	17,890 Trees (136),Equipment Failure (33),Weather (26),Planned/Scheduled (25),No Specific Cause Found (25),Animal (20),Trees - Outside ROW (16),Lightning (12),Unique Incident (11),Forced Outage/Emergency (7),Bird (3),Public Damage (3),Car/Pole Accident (2),Public Tree Trimming (1)
ALAMO	2022	267	43,948	12,782 Trees (72),Animal (44),Equipment Failure (43),No Specific Cause Found (29),Weather (25),Trees - Outside ROW (22),Lightning (9),Unique Incident (7),Bird (6),Car/Pole Accident (5),Public Tree Trimming (3),Public Damage (2)
ALAMO	2023	216	23,875	7,999 Trees (70),Animal (36),Equipment Failure (29),No Specific Cause Found (23),Trees - Outside ROW (21),Weather (13),Lightning (8),Bird (6),Unique Incident (5),Public Damage (3),Car/Pole Accident (1),Forced Outage/Emergency (1)
ALAMO	2024	262	12,599	5,896 Trees (86),Animal (45),Equipment Failure (36),No Specific Cause Found (32),Trees - Outside ROW (24),Weather (21),Lightning (6),Unique Incident (6),Bird (2),Forced Outage/Emergency (2),Public Damage (2)
OBERLIN	2020	238	45,445	17,454 Equipment Failure (53),Trees (52),Planned/Scheduled (37),Trees - Outside ROW (29),No Specific Cause Found (20),Animal (9),Weather (7),Bird (5),Lightning (4),Unique Incident (4),Public Damage (5),Forced Outage/Emergency (2),Public Tree Trimming (1),Car/Pole Accident (1)
OBERLIN	2021	218	58,152	12,040 Trees (73),Equipment Failure (48),Trees - Outside ROW (21),No Specific Cause Found (17),Planned/Scheduled (14),Animal (10),Unique Incident (9),Forced Outage/Emergency (8),Weather (7),Public Damage (6),Lightning (2),Public Tree Trimming (1),Bird (1),Car/Pole Accident (1)
OBERLIN	2022	171	33,126	8,554 Trees (54),Equipment Failure (44),No Specific Cause Found (26),Trees - Outside ROW (15),Weather (9),Unique Incident (4),Animal (3),Lightning (3),Forced Outage/Emergency (2),Public Damage (2),Public Tree Trimming (1),Bird (1)
OBERLIN	2023	154	31,075	14,369 Equipment Failure (41),Trees (33),No Specific Cause Found (28),Animal (13),Trees - Outside ROW (12),Unique Incident (10),Weather (6),Forced Outage/Emergency (5),Public Damage (4),Car/Pole Accident (2)
OBERLIN	2024	228	45,528	15,993 Trees (56),No Specific Cause Found (50),Equipment Failure (49),Weather (23),Trees - Outside ROW (22),Animal (11),Unique Incident (9),Forced Outage/Emergency (3),Lightning (2),Car/Pole Accident (1),Bird (1),Public Damage (1)
ISABELLA	2020	38	2,637	1,093 Trees (12),Planned/Scheduled (9),Forced Outage/Emergency (4),Equipment Failure (4),Public Damage (4),Weather (3),Animal (1),Bird (1)
ISABELLA	2021	19	682	296 Equipment Failure (9),Trees (3),Public Damage (2),No Specific Cause Found (2),Animal (1),Unique Incident (1),Forced Outage/Emergency (1)
ISABELLA	2022	21	1,165	414 Equipment Failure (9),Trees (5),Weather (2),Unique Incident (2),No Specific Cause Found (1),Animal (1),Public Damage (1)
ISABELLA	2023	19	3,218	581 No Specific Cause Found (6),Equipment Failure (3),Trees (3),Weather (2),Animal (2),Unique Incident (1),Lightning (1),Public Damage (1)
ISABELLA	2024	21	1,164	270 Equipment Failure (5),Unique Incident (5),Trees (4),Animal (2),No Specific Cause Found (2),Forced Outage/Emergency (1),Bird (1),Weather (1)
CASS ROAD	2020	26	1,596	814 Planned/Scheduled (8),Equipment Failure (6),Animal (6),Unique Incident (3),Lightning (1),Trees (1),Weather (1)
CASS ROAD	2021	19	2,364	995 Animal (7),Equipment Failure (4),Planned/Scheduled (3),Trees - Outside ROW (2),No Specific Cause Found (1),Weather (1),Trees (1)
CASS ROAD	2022	26	6,734	1,255 Trees (9),Equipment Failure (8),Weather (2),Unique Incident (2),Animal (2),No Specific Cause Found (2),Car/Pole Accident (1)
CASS ROAD	2023	33	12,363	4,844 Weather (9),Trees (7),Animal (6),Equipment Failure (6),No Specific Cause Found (4),Unique Incident (1)
CASS ROAD	2024	23	564	164 Animal (7),Equipment Failure (6),Unique Incident (3),No Specific Cause Found (3),Trees - Outside ROW (2),Car/Pole Accident (2)
BECK ROAD	2020	38	1,480	899 Animal (10),No Specific Cause Found (8),Equipment Failure (6),Planned/Scheduled (6),Public Damage (3),Lightning (2),Weather (2),Car/Pole Accident (1)
BECK ROAD	2021	41	3,095	645 Equipment Failure (12),Animal (10),Planned/Scheduled (4),No Specific Cause Found (4),Trees - Outside ROW (3),Trees (3),Unique Incident (2),Public Damage (1),Bird (1),Weather (1)
BECK ROAD	2022	69	6,670	1,674 Trees (21),Animal (15),No Specific Cause Found (11),Weather (9),Equipment Failure (8),Bird (2),Lightning (2),Public Damage (1)
BECK ROAD	2023	51	1,786	340 Animal (16),Weather (10),No Specific Cause Found (7),Trees (7),Equipment Failure (4),Unique Incident (2),Public Damage (2),Bird (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
BECK ROAD	2024	56	2,250	1,798 No Specific Cause Found (21),Animal (15),Trees (8),Equipment Failure (3),Car/Pole Accident (3),Unique Incident (2),Weather (2),Bird (2)
GODDALE	2020	88	1,588	1,033 Planned/Scheduled (44),Trees (23),Equipment Failure (10),Weather (5),Unique Incident (2),Forced Outage/Emergency (2),No Specific Cause Found (1),Animal (1)
GODDALE	2021	45	1,013	409 Trees (15),Planned/Scheduled (11),Equipment Failure (5),Unique Incident (3),Car/Pole Accident (3),Weather (2),Bird (2),Forced Outage/Emergency (1),Animal (1),No Specific Cause Found (1),Lightning (1)
GODDALE	2022	20	744	253 Trees (6),Equipment Failure (5),Weather (2),Animal (2),Trees - Outside ROW (1),Car/Pole Accident (1),No Specific Cause Found (1),Unique Incident (1),Forced Outage/Emergency (1)
GODDALE	2023	42	783	470 No Specific Cause Found (11),Weather (9),Trees (9),Equipment Failure (6),Unique Incident (4),Forced Outage/Emergency (2),Trees - Outside ROW (1)
GODDALE	2024	43	10,921	2,952 Trees (16),Weather (9),Trees - Outside ROW (6),Animal (4),Equipment Failure (4),Bird (1),Unique Incident (1),No Specific Cause Found (1),Forced Outage/Emergency (1)
GOLDEN	2020	37	5,535	3,074 Trees (17),Unique Incident (6),Transmission/Generation (4),Animal (2),Public Damage (2),Equipment Failure (2),Trees - Outside ROW (2),Weather (1),Forced Outage/Emergency (1)
GOLDEN	2021	37	5,776	1,917 Trees (9),Forced Outage/Emergency (7),Equipment Failure (7),Unique Incident (4),Animal (3),No Specific Cause Found (3),Weather (2),Trees - Outside ROW (1),Planned/Scheduled (1)
GOLDEN	2022	24	2,156	963 Trees (7),Equipment Failure (7),No Specific Cause Found (3),Unique Incident (2),Forced Outage/Emergency (2),Trees - Outside ROW (1),Public Damage (1),Weather (1)
GOLDEN	2023	17	1,326	695 Trees (5),Weather (3),Equipment Failure (2),Unique Incident (3),No Specific Cause Found (2),Public Damage (1)
GOLDEN	2024	25	814	309 Equipment Failure (7),Trees (4),No Specific Cause Found (4),Trees - Outside ROW (3),Animal (3),Unique Incident (2),Bird (1),Weather (1)
HENDERSHOT	2020	70	642	247 Animal (26),No Specific Cause Found (17),Equipment Failure (10),Trees (5),Lightning (4),Planned/Scheduled (2),Trees - Outside ROW (2),Unique Incident (2),Car/Pole Accident (1),Weather (1)
HENDERSHOT	2021	99	7,657	1,966 No Specific Cause Found (39),Animal (18),Weather (15),Trees (8),Equipment Failure (8),Lightning (4),Unique Incident (4),Planned/Scheduled (1),Public Damage (1),Trees - Outside ROW (1)
HENDERSHOT	2022	105	4,456	1,603 Animal (48),No Specific Cause Found (23),Equipment Failure (13),Trees (7),Weather (6),Unique Incident (4),Bird (2),Trees - Outside ROW (1),Lightning (1)
HENDERSHOT	2023	110	6,823	2,339 Animal (33),Weather (31),No Specific Cause Found (16),Trees (12),Equipment Failure (5),Trees - Outside ROW (5),Lightning (3),Car/Pole Accident (2),Public Damage (2),Unique Incident (1)
HENDERSHOT	2024	73	4,565	2,435 Animal (27),No Specific Cause Found (24),Equipment Failure (6),Trees (4),Forced Outage/Emergency (3),Trees - Outside ROW (3),Car/Pole Accident (2),Weather (2),Lightning (1),Unique Incident (1)
DAVENPORT	2020	27	769	242 Trees (8),Equipment Failure (4),Car/Pole Accident (4),Planned/Scheduled (3),Unique Incident (2),Forced Outage/Emergency (2),Weather (2),Public Damage (1),Animal (1)
DAVENPORT	2021	44	1,658	554 Trees (17),Equipment Failure (7),Weather (5),Planned/Scheduled (4),No Specific Cause Found (3),Forced Outage/Emergency (3),Public Tree Trimming (1),Trees - Outside ROW (1),Animal (1),Unique Incident (1),Bird (1)
DAVENPORT	2022	41	3,255	1,600 Equipment Failure (12),Weather (8),Forced Outage/Emergency (6),Trees (6),Lightning (3),Unique Incident (2),No Specific Cause Found (2),Public Damage (1),Animal (1)
DAVENPORT	2023	19	7,004	4,489 Equipment Failure (8),Trees (3),Animal (2),Weather (2),Transmission/Generation (2),No Specific Cause Found (2)
DAVENPORT	2024	18	2,377	2,305 Forced Outage/Emergency (5),Equipment Failure (4),Weather (3),Trees (2),Car/Pole Accident (2),No Specific Cause Found (2)
SCHUSS MOUNTAIN	2020	16	4,113	917 Equipment Failure (7),Planned/Scheduled (3),No Specific Cause Found (2),Trees (2),Public Damage (1),Animal (1)
SCHUSS MOUNTAIN	2021	23	8,028	1,762 Equipment Failure (11),Planned/Scheduled (7),Forced Outage/Emergency (1),No Specific Cause Found (1),Trees (1),Unique Incident (1),Animal (1)
SCHUSS MOUNTAIN	2022	19	6,035	1,662 Equipment Failure (10),Weather (3),Forced Outage/Emergency (3),Trees (2),Animal (1)
SCHUSS MOUNTAIN	2023	11	1,700	36 Equipment Failure (8),Public Damage (1),Trees (1),Trees - Outside ROW (1)
SCHUSS MOUNTAIN	2024	21	1,731	289 Equipment Failure (9),No Specific Cause Found (6),Trees (3),Public Damage (2),Unique Incident (1)
DUNHAM	2020	39	1,083	428 Equipment Failure (14),Trees (7),No Specific Cause Found (4),Planned/Scheduled (3),Car/Pole Accident (3),Unique Incident (2),Weather (2),Public Damage (1),Trees - Outside ROW (1),Animal (1),Bird (1)
DUNHAM	2021	47	2,891	758 Equipment Failure (13),Weather (8),Trees (6),Planned/Scheduled (5),Forced Outage/Emergency (4),No Specific Cause Found (4),Public Tree Trimming (3),Animal (2),Public Damage (1),Unique Incident (1)
DUNHAM	2022	39	11,355	2,980 Trees (11),Equipment Failure (9),Weather (5),No Specific Cause Found (4),Forced Outage/Emergency (4),Unique Incident (3),Public Damage (2),Animal (1)
DUNHAM	2023	31	4,680	987 Trees (11),Equipment Failure (6),Weather (5),Unique Incident (3),No Specific Cause Found (2),Forced Outage/Emergency (1),Lightning (1),Animal (1),Trees - Outside ROW (1)
DUNHAM	2024	42	12,134	2,453 Trees (15),Equipment Failure (6),Forced Outage/Emergency (6),Weather (5),No Specific Cause Found (3),Unique Incident (2),Trees - Outside ROW (2),Animal (2),Car/Pole Accident (1)

PIGEON LAKE	2020	60	7,639	2,502	Trees (17),Equipment Failure (15),Planned/Scheduled (14),No Specific Cause Found (7),Public Damage (3),Trees - Outside ROW (3),Weather (1)
PIGEON LAKE	2021	74	11,682	4,184	Trees (18),Planned/Scheduled (13),Equipment Failure (10),Trees - Outside ROW (9),Lightning (6),Unique Incident (6),No Specific Cause Found (6),Forced Outage/Emergency (2),Animal (2),Weather (2)
PIGEON LAKE	2022	47	11,152	3,998	Trees (11),Equipment Failure (10),Trees - Outside ROW (9),No Specific Cause Found (8),Lightning (3),Weather (2),Bird (1),Forced Outage/Emergency (1),Unique Incident (1),Public Damage (1)
PIGEON LAKE	2023	58	9,277	3,649	No Specific Cause Found (16),Trees - Outside ROW (11),Trees (11),Equipment Failure (7),Weather (4),Unique Incident (4),Lightning (3),Animal (2)
PIGEON LAKE	2024	63	9,678	2,671	Trees (17),Trees - Outside ROW (14),Equipment Failure (10),No Specific Cause Found (8),Weather (4),Animal (4),Unique Incident (4),Forced Outage/Emergency (2)
BELLEVUE	2020	77	21,464	5,269	Trees (27),Equipment Failure (22),Weather (11),Trees - Outside ROW (7),No Specific Cause Found (3),Planned/Scheduled (2),Unique Incident (1),Forced Outage/Emergency (1),Animal (1),Car/Pole Accident (1),Lightning (1)
BELLEVUE	2021	90	3,898	1,837	Equipment Failure (26),Trees (21),Planned/Scheduled (14),Weather (6),No Specific Cause Found (5),Trees - Outside ROW (5),Public Damage (5),Unique Incident (5),Animal (2),Car/Pole Accident (1)
BELLEVUE	2022	46	4,187	1,255	Equipment Failure (12),Trees (10),Trees - Outside ROW (5),Weather (4),Animal (3),No Specific Cause Found (3),Car/Pole Accident (2),Public Tree Trimming (1),Public Damage (1)
BELLEVUE	2023	42	3,284	1,599	Equipment Failure (16),Trees (10),Trees - Outside ROW (6),No Specific Cause Found (5),Lightning (2),Animal (2),Bird (1)
BELLEVUE	2024	65	4,529	2,374	Equipment Failure (16),Trees (14),Trees - Outside ROW (10),No Specific Cause Found (9),Weather (6),Animal (3),Lightning (3),Unique Incident (2),Forced Outage/Emergency (1),Car/Pole Accident (1),Public Damage (1),Bird (1)
WILLIAMS	2020	56	7,122	1,649	Planned/Scheduled (19),Trees (18),Equipment Failure (8),No Specific Cause Found (3),Trees - Outside ROW (3),Lightning (3),Weather (2)
WILLIAMS	2021	57	4,034	1,376	Equipment Failure (14),Trees (11),Trees - Outside ROW (10),Planned/Scheduled (5),Unique Incident (4),No Specific Cause Found (4),Weather (3),Lightning (3),Bird (2),Public Damage (1)
WILLIAMS	2022	40	5,127	1,979	Trees (12),Equipment Failure (10),No Specific Cause Found (6),Trees - Outside ROW (4),Unique Incident (3),Weather (3),Forced Outage/Emergency (1),Animal (1)
WILLIAMS	2023	58	3,829	1,148	Trees (19),No Specific Cause Found (11),Trees - Outside ROW (9),Weather (8),Equipment Failure (7),Lightning (2),Animal (1),Public Tree Trimming (1)
WILLIAMS	2024	106	18,964	4,232	Trees (48),Weather (18),Trees - Outside ROW (13),No Specific Cause Found (12),Equipment Failure (6),Unique Incident (3),Forced Outage/Emergency (2),Animal (2),Lightning (1),Public Damage (1)
DRAKE ROAD	2020	44	8,712	5,044	Equipment Failure (14),Planned/Scheduled (12),Trees (5),Weather (4),Public Damage (3),No Specific Cause Found (2),Unique Incident (2),Trees - Outside ROW (1),Animal (1)
DRAKE ROAD	2021	62	16,479	5,127	Trees (21),Equipment Failure (13),Public Damage (7),Weather (5),Planned/Scheduled (5),No Specific Cause Found (3),Forced Outage/Emergency (2),Lightning (2),Animal (2),Unique Incident (1),Car/Pole Accident (1)
DRAKE ROAD	2022	30	4,686	1,640	Equipment Failure (12),Trees (7),Weather (4),Public Damage (3),Unique Incident (2),Car/Pole Accident (1),No Specific Cause Found (1)
DRAKE ROAD	2023	22	2,061	819	Equipment Failure (9),Trees (4),Weather (2),Animal (2),No Specific Cause Found (2),Public Damage (1),Bird (1),Unique Incident (1)
DRAKE ROAD	2024	26	2,825	1,531	No Specific Cause Found (7),Trees (5),Public Damage (3),Equipment Failure (3),Unique Incident (3),Weather (3),Trees - Outside ROW (2)
SHERMAN	2020	26	1,921	326	Trees (15),Equipment Failure (2),No Specific Cause Found (2),Public Damage (2),Weather (2),Planned/Scheduled (1),Animal (1),Trees - Outside ROW (1)
SHERMAN	2021	23	760	227	Trees (12),Equipment Failure (3),Unique Incident (2),Trees - Outside ROW (2),Animal (2),Planned/Scheduled (1),No Specific Cause Found (1)
SHERMAN	2022	22	3,422	487	Trees (13),Equipment Failure (3),Weather (2),Unique Incident (2),Forced Outage/Emergency (1),Trees - Outside ROW (1)
SHERMAN	2023	16	817	154	Equipment Failure (4),Trees (4),No Specific Cause Found (3),Trees - Outside ROW (3),Unique Incident (1),Forced Outage/Emergency (1)
SHERMAN	2024	33	5,084	485	Trees (10),Weather (8),No Specific Cause Found (5),Unique Incident (4),Trees - Outside ROW (4),Equipment Failure (1),Forced Outage/Emergency (1)
BAY ROAD	2020	26	8,167	3,130	Planned/Scheduled (10),Equipment Failure (6),Unique Incident (4),No Specific Cause Found (2),Animal (2),Public Damage (1),Forced Outage/Emergency (1)
BAY ROAD	2021	35	4,790	1,059	Planned/Scheduled (17),Equipment Failure (9),Trees (3),No Specific Cause Found (2),Unique Incident (2),Animal (1),Weather (1)
BAY ROAD	2022	17	2,213	409	Equipment Failure (7),No Specific Cause Found (6),Weather (3),Unique Incident (1)
BAY ROAD	2023	50	6,716	1,389	No Specific Cause Found (20),Equipment Failure (17),Unique Incident (4),Public Damage (3),Forced Outage/Emergency (2),Animal (2),Weather (1),Trees (1)
BAY ROAD	2024	61	7,650	2,060	Equipment Failure (48),No Specific Cause Found (5),Unique Incident (4),Car/Pole Accident (1),Public Damage (1),Animal (1),Weather (1)
CHAUNCEY	2020	49	2,239	547	Trees (25),Equipment Failure (11),Planned/Scheduled (4),Car/Pole Accident (2),Forced Outage/Emergency (2),Animal (1),Public Tree Trimming (1),Trees - Outside ROW (1),No Specific Cause Found (1),Weather (1)
CHAUNCEY	2021	103	19,519	6,875	Planned/Scheduled (33),Trees (22),Equipment Failure (19),Unique Incident (8),Weather (6),Forced Outage/Emergency (4),No Specific Cause Found (3),Trees - Outside ROW (2),Animal (2),Car/Pole Accident (1),Lightning (1),Bird (1),Public Damage (1)
CHAUNCEY	2022	51	5,932	967	Trees (17),Equipment Failure (12),Unique Incident (8),No Specific Cause Found (4),Trees - Outside ROW (2),Public Damage (2),Animal (2),Weather (2),Lightning (1),Car/Pole Accident (1)
CHAUNCEY	2023	48	8,873	3,392	Weather (13),Trees (13),Equipment Failure (11),Trees - Outside ROW (9),No Specific Cause Found (3),Unique Incident (3),Animal (2)
CHAUNCEY	2024	36	10,502	3,484	Equipment Failure (17),Trees (6),Weather (1),Trees - Outside ROW (3),Animal (2),No Specific Cause Found (1)
HOGSBACK	2020	41	1,992	696	Equipment Failure (14),Planned/Scheduled (11),Public Damage (5),Trees (4),Car/Pole Accident (2),Trees - Outside ROW (1),Lightning (1),Forced Outage/Emergency (1),Animal (1),No Specific Cause Found (1)
HOGSBACK	2021	60	26,042	5,451	Planned/Scheduled (24),Equipment Failure (15),Trees (11),Unique Incident (4),No Specific Cause Found (2),Animal (2),Trees - Outside ROW (1),Lightning (1)
HOGSBACK	2022	22	4,537	2,152	Trees (8),No Specific Cause Found (4),Unique Incident (3),Equipment Failure (2),Animal (2),Weather (1),Trees - Outside ROW (1),Public Damage (1)
HOGSBACK	2023	48	18,549	2,452	Weather (10),Equipment Failure (9),Car/Pole Accident (7),Trees (5),No Specific Cause Found (5),Animal (4),Forced Outage/Emergency (3),Public Damage (2),Lightning (1),Bird (1),Unique Incident (1)
HOGSBACK	2024	21	2,307	861	No Specific Cause Found (5),Trees (4),Forced Outage/Emergency (4),Unique Incident (3),Car/Pole Accident (2),Animal (1),Equipment Failure (1),Weather (1)
ABBE	2020	222	31,647	7,798	Trees (80),Equipment Failure (46),Trees - Outside ROW (21),Planned/Scheduled (16),Weather (14),Animal (12),No Specific Cause Found (11),Forced Outage/Emergency (10),Lightning (5),Unique Incident (4),Public Damage (2),Car/Pole Accident (1)
ABBE	2021	184	24,516	6,655	Trees (63),Equipment Failure (37),No Specific Cause Found (20),Weather (11),Unique Incident (8),Planned/Scheduled (8),Lightning (3),Animal (2),Forced Outage/Emergency (2),Car/Pole Accident (1),Bird (1),Public Damage (1)
ABBE	2022	155	13,058	5,386	Trees (45),Equipment Failure (43),No Specific Cause Found (19),Trees - Outside ROW (18),Weather (14),Bird (4),Unique Incident (3),Animal (2),Forced Outage/Emergency (2),Car/Pole Accident (2),Public Damage (1),Lightning (1),Public Tree Trimming (1)
ABBE	2023	118	11,171	3,806	Trees (45),Equipment Failure (21),No Specific Cause Found (18),Trees - Outside ROW (10),Lightning (6),Unique Incident (4),Bird (4),Forced Outage/Emergency (3),Animal (3),Public Damage (1),Weather (1),Public Tree Trimming (1),Car/Pole Accident (1)
ABBE	2024	182	25,153	7,260	Trees (88),Trees - Outside ROW (26),No Specific Cause Found (20),Equipment Failure (19),Animal (1),Weather (8),Forced Outage/Emergency (4),Lightning (2),Car/Pole Accident (1),Bird (1),Public Damage (1),Unique Incident (1)
KENT CITY	2020	141	14,268	3,558	Trees (40),Equipment Failure (29),Animal (24),Trees - Outside ROW (11),Weather (10),No Specific Cause Found (8),Planned/Scheduled (6),Unique Incident (4),Forced Outage/Emergency (3),Public Damage (3),Bird (1),Car/Pole Accident (1),Public Tree Trimming (1)
KENT CITY	2021	121	21,068	6,174	Trees (35),Animal (23),Equipment Failure (21),Weather (9),No Specific Cause Found (8),Trees - Outside ROW (7),Car/Pole Accident (5),Lightning (3),Planned/Scheduled (2),Forced Outage/Emergency (2),Public Damage (2),Unique Incident (2),Bird (1),Public Tree Trimming (1)
KENT CITY	2022	118	10,493	3,598	Trees (28),Weather (23),Equipment Failure (21),No Specific Cause Found (14),Animal (14),Lightning (5),Unique Incident (4),Trees - Outside ROW (2),Car/Pole Accident (2),Public Damage (2),Forced Outage/Emergency (1),Bird (1)
KENT CITY	2023	146	17,759	6,572	Trees (40),Animal (25),Equipment Failure (24),No Specific Cause Found (24),Weather (21),Car/Pole Accident (4),Trees - Outside ROW (2),Bird (2),Lightning (2),Public Damage (1),Unique Incident (1)
KENT CITY	2024	151	17,082	10,045	Trees (52),Animal (25),No Specific Cause Found (25),Equipment Failure (16),Weather (15),Unique Incident (4),Trees - Outside ROW (4),Public Damage (3),Car/Pole Accident (2),Forced Outage/Emergency (2),Lightning (2),Bird (1)
HUNT ROAD	2020	78	4,730	2,551	No Specific Cause Found (27),Animal (22),Equipment Failure (10),Planned/Scheduled (8),Weather (3),Trees (2),Unique Incident (2),Lightning (1),Public Damage (1),Car/Pole Accident (1),Trees - Outside ROW (1)
HUNT ROAD	2021	102	19,105	7,784	No Specific Cause Found (27),Animal (17),Equipment Failure (16),Trees (15),Unique Incident (11),Weather (7),Planned/Scheduled (6),Trees - Outside ROW (2),Car/Pole Accident (1)
HUNT ROAD	2022	99	5,224	1,246	No Specific Cause Found (33),Animal (30),Equipment Failure (20),Trees (10),Unique Incident (3),Car/Pole Accident (1),Trees - Outside ROW (1),Bird (1)
HUNT ROAD	2023	95	6,661	1,324	No Specific Cause Found (25),Trees (20),Weather (14),Animal (14),Equipment Failure (12),Trees - Outside ROW (4),Lightning (3),Unique Incident (2),Bird (1)
HUNT ROAD	2024	90	5,665	2,461	Animal (36),Equipment Failure (18),No Specific Cause Found (17),Trees (6),Unique Incident (4),Forced Outage/Emergency (3),Lightning (2),Car/Pole Accident (2),Weather (2)
CASCADE	2020	50	3,214	1,125	Planned/Scheduled (11),Equipment Failure (10),Trees (9),Animal (4),Weather (4),Forced Outage/Emergency (3),No Specific Cause Found (3),Unique Incident (2),Public Damage (2),Trees - Outside ROW (2)
CASCADE	2021	86	11,190	5,329	Equipment Failure (32),Trees (16),Planned/Scheduled (11),Trees - Outside ROW (7),Animal (3),Car/Pole Accident (3),No Specific Cause Found (3),Public Damage (3),Bird (2),Weather (2),Lightning (2),Unique Incident (1),Forced Outage/Emergency (1)
CASCADE	2022	67	14,651	6,921	No Specific Cause Found (14),Trees (14),Equipment Failure (12),Trees - Outside ROW (9),Unique Incident (5),Animal (4),Weather (4),Public Damage (3),Lightning (2)
CASCADE	2023	81	9,590	4,033	Trees - Outside ROW (20),Equipment Failure (15),Weather (14),Trees (10),Animal (10),Unique Incident (5),Public Damage (3),No Specific Cause Found (2),Forced Outage/Emergency (2)
CASCADE	2024	105	26,801	8,198	Trees - Outside ROW (24),Equipment Failure (20),Weather (15),Trees (13),Animal (9),Unique Incident (9),No Specific Cause Found (9),Lightning (2),Public Damage (2),Forced Outage/Emergency (1),Bird (1)
GREGORY	2020	100	16,608	2,309	Trees (36),Equipment Failure (33),No Specific Cause Found (9),Weather (5),Trees - Outside ROW (5),Planned/Scheduled (4),Lightning (2),Forced Outage/Emergency (1),Unique Incident (1),Animal (1),Car/Pole Accident (1),Public Tree Trimming (1),Bird (1)
GREGORY	2021	96	9,799	2,562	Trees (37),Equipment Failure (31),Trees - Outside ROW (10),No Specific Cause Found (6),Animal (6),Unique Incident (4),Planned/Scheduled (1),Forced Outage/Emergency (1)
GREGORY	2022	64	3,936	1,224	Trees (23),Equipment Failure (12),Weather (12),No Specific Cause Found (6),Animal (5),Trees - Outside ROW (2),Public Tree Trimming (1),Lightning (1),Unique Incident (1),Forced Outage/Emergency (1)
GREGORY	2023	94	20,052	6,515	Trees (39),Equipment Failure (15),Weather (12),No Specific Cause Found (11),Forced Outage/Emergency (5),Unique Incident (4),Animal (3),Trees - Outside ROW (2),Public Damage (2),Lightning (1)
GREGORY	2024	84	10,446	3,041	Trees (22),Equipment Failure (18),Weather (13),No Specific Cause Found (13),Trees - Outside ROW (7),Unique Incident (5),Forced Outage/Emergency (3),Animal (2),Car/Pole Accident (1)
HARING	2020	15	2,606	1,009	No Specific Cause Found (4),Equipment Failure (3),Trees (3),Car/Pole Accident (2),Public Damage (1),Weather (1),Forced Outage/Emergency (1)
HARING	2021	11	1,607	551	Weather (4),Unique Incident (2),Equipment Failure (2),Car/Pole Accident (1),Planned/Scheduled (1),Animal (1)
HARING	2022	15	407	178	Equipment Failure (5),Animal (2),Weather (2),Unique Incident (2),No Specific Cause Found (2),Car/Pole Accident (1),Trees (1)
HARING	2023	9	425	281	Equipment Failure (3),Animal (2),Public Damage (2),Trees - Outside ROW (1),Car/Pole Accident (1)
HARING	2024	5	81	150	Equipment Failure (4),Forced Outage/Emergency (1)
EMERALD	2020	23	2,709	2,367	Planned/Scheduled (8),Equipment Failure (6),Trees (4),Public Damage (4),No Specific Cause Found (1)
EMERALD	2021	51	1,156	660	Planned/Scheduled (23),Trees (6),Equipment Failure (6),Car/Pole Accident (3),Animal (3),Unique Incident (2),Trees - Outside ROW (2),No Specific Cause Found (2),Bird (1),Forced Outage/Emergency (1),Transmission/Generation (1),Weather (1)
EMERALD	2022	29	12,106	6,030	Equipment Failure (8),Weather (7),Trees (6),No Specific Cause Found (4),Animal (2),Unique Incident (2)
EMERALD	2023	26	565	234	Trees (13),Weather (5),Unique Incident (3),Equipment Failure (2),Public Damage (2),Animal (1)
EMERALD	2024	69	2,497	1,139	Equipment Failure (19),Weather (13),Trees (12),No Specific Cause Found (11),Trees - Outside ROW (5),Car/Pole Accident (4),Forced Outage/Emergency (2),Unique Incident (2),Animal (1)
MASON	2020	38	9,759	2,122	Equipment Failure (11),Trees (9),Planned/Scheduled (6),No Specific Cause Found (3),Unique Incident (2),Car/Pole Accident (2),Animal (2),Trees - Outside ROW (2),Weather (1),Public Damage (1),Forced Outage/Emergency (1)
MASON	2021	28	2,324	379	Trees (10),Equipment Failure (6),Planned/Scheduled (6),Forced Outage/Emergency (2),Weather (2),Animal (1),Unique Incident (1),No Specific Cause Found (1)
MASON	2022	46	5,080	2,300	Equipment Failure (15),Trees (8),Animal (8),No Specific Cause Found (7),Weather (3),Lightning (2),Public Damage (1),Bird (1),Car/Pole Accident (1)
MASON	2023	54	2,317	721	Trees (20),Weather (12),Equipment Failure (7),No Specific Cause Found (6),Animal (5),Unique Incident (2),Trees - Outside ROW (1),Public Damage (1)
MASON	2024	37	4,506	1,327	Equipment Failure (13),No Specific Cause Found (9),Trees (6),Weather (6),Car/Pole Accident (2),Unique Incident (1)
MANTON	2020	73	13,672	5,002	Equipment Failure (23),Trees (11),Trees - Outside ROW (10),Lightning (6),Weather (6),Unique Incident (3),Planned/Scheduled (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Car/Pole Accident (2),Animal (1),Public Damage (1),Bird (1)
MANTON	2021	104	5,659	2,108	Trees (30),Equipment Failure (18),Trees - Outside ROW (15),No Specific Cause Found (8),Lightning (6),Animal (6),Weather (5),Unique Incident (5),Planned/Scheduled (5),Bird (3),Public Damage (2),Forced Outage/Emergency (1)
MANTON	2022	73	4,741	1,451	Trees (24),Trees - Outside ROW (15),Equipment Failure (11),No Specific Cause Found (8),Animal (6),Weather (3),Unique Incident (2),Bird (2),Car/Pole Accident (1),Forced Outage/Emergency (1)

MANTON	2023	44	3,481	1,164 Equipment Failure (19),Trees (7),No Specific Cause Found (6),Unique Incident (6),Trees - Outside ROW (2),Lightning (1),Public Damage (1),Bird (1),Forced Outage/Emergency (1)
MANTON	2024	52	4,042	1,362 Trees (12),Trees - Outside ROW (12),Equipment Failure (8),Animal (5),No Specific Cause Found (4),Unique Incident (4),Weather (3),Lightning (1),Car/Pole Accident (1),Public Damage (1),Public Tree Trimming (1)
RENTON	2020	5	75	89 Equipment Failure (2),Animal (1),Trees (1),Public Damage (1)
RENTON	2021	16	1,979	893 Equipment Failure (5),Trees (3),Animal (2),Trees - Outside ROW (1),Car/Pole Accident (1),Planned/Scheduled (1),No Specific Cause Found (1),Weather (1),Bird (1)
RENTON	2022	13	1,426	346 Equipment Failure (4),Trees (3),No Specific Cause Found (2),Public Damage (1),Unique Incident (1),Trees - Outside ROW (1),Animal (1)
RENTON	2023	11	2,477	146 Equipment Failure (5),Bird (2),Animal (2),Trees (1),Unique Incident (1)
RENTON	2024	4	292	121 Trees (2),Bird (1),No Specific Cause Found (1)
CADMIUS	2020	26	2,543	1,285 No Specific Cause Found (9),Planned/Scheduled (9),Equipment Failure (8),Car/Pole Accident (5),Forced Outage/Emergency (2),Public Tree Trimming (1),Animal (1),Public Damage (1)
CADMIUS	2021	44	10,213	3,039 Planned/Scheduled (12),No Specific Cause Found (8),Equipment Failure (6),Animal (4),Trees (4),Lightning (3),Weather (2),Unique Incident (2),Forced Outage/Emergency (1),Public Damage (1),Trees - Outside ROW (1)
CADMIUS	2022	24	1,701	406 No Specific Cause Found (7),Animal (7),Equipment Failure (5),Unique Incident (2),Trees (1),Weather (1),Trees - Outside ROW (1)
CADMIUS	2023	25	713	288 No Specific Cause Found (8),Animal (5),Equipment Failure (5),Weather (3),Forced Outage/Emergency (2),Trees (1),Bird (1)
CADMIUS	2024	22	1,187	802 No Specific Cause Found (6),Animal (6),Equipment Failure (4),Unique Incident (3),Forced Outage/Emergency (1),Weather (1),Trees (1)
ATWATER	2020	7	589	424 Animal (2),Equipment Failure (2),Planned/Scheduled (2),Trees (1)
ATWATER	2021	6	1,799	843 Equipment Failure (1),Weather (1),Planned/Scheduled (1),Trees - Outside ROW (1),Trees (1),No Specific Cause Found (1)
ATWATER	2022	13	672	463 Trees (4),Equipment Failure (4),No Specific Cause Found (3),Unique Incident (2)
ATWATER	2023	6	4,573	1,129 Car/Pole Accident (2),Animal (1),Weather (1),Trees (1),No Specific Cause Found (1)
ATWATER	2024	6	142	60 Public Damage (2),No Specific Cause Found (1),Bird (1),Equipment Failure (1),Animal (1)
TOWN LINE	2020	33	552	360 Planned/Scheduled (12),Trees (8),Equipment Failure (8),No Specific Cause Found (2),Public Damage (1),Animal (1),Weather (1)
TOWN LINE	2021	40	3,363	202 Planned/Scheduled (13),Equipment Failure (8),Trees (7),Unique Incident (3),Weather (3),Forced Outage/Emergency (2),Animal (2),Trees - Outside ROW (1),Public Damage (1)
TOWN LINE	2022	17	2,190	1,131 Trees (5),Equipment Failure (3),Forced Outage/Emergency (2),Animal (2),No Specific Cause Found (2),Unique Incident (1),Lightning (1)
TOWN LINE	2023	11	1,209	650 Trees - Outside ROW (4),Equipment Failure (3),Trees (1),Weather (1),Animal (1),No Specific Cause Found (1)
TOWN LINE	2024	14	159	85 Animal (3),Trees (3),Equipment Failure (3),No Specific Cause Found (1),Forced Outage/Emergency (1),Trees - Outside ROW (1),Unique Incident (1),Weather (1)
GRAND RIVER	2020	20	4,711	859 Planned/Scheduled (10),Equipment Failure (6),Trees (3),No Specific Cause Found (1)
GRAND RIVER	2021	18	7,102	2,348 Planned/Scheduled (6),Trees (4),Car/Pole Accident (2),Animal (2),Equipment Failure (2),No Specific Cause Found (1),Public Damage (1)
GRAND RIVER	2022	12	2,972	2,860 Equipment Failure (6),Trees (5),Unique Incident (1)
GRAND RIVER	2023	24	1,681	1,528 No Specific Cause Found (13),Equipment Failure (8),Trees (3)
GRAND RIVER	2024	5	66	32 Equipment Failure (3),No Specific Cause Found (1),Trees (1)
ALABAMA	2020	28	633	268 Planned/Scheduled (10),Equipment Failure (5),Public Damage (3),Forced Outage/Emergency (3),Car/Pole Accident (2),Trees (2),Weather (1),Lightning (1),No Specific Cause Found (1)
ALABAMA	2021	27	4,815	2,413 Trees (8),No Specific Cause Found (4),Equipment Failure (3),Car/Pole Accident (3),Forced Outage/Emergency (3),Planned/Scheduled (2),Unique Incident (2),Weather (1),Public Damage (1)
ALABAMA	2022	19	4,808	2,664 Equipment Failure (7),Trees (4),Forced Outage/Emergency (3),No Specific Cause Found (2),Bird (1),Car/Pole Accident (1),Unique Incident (1)
ALABAMA	2023	20	2,209	634 Trees (10),Equipment Failure (3),No Specific Cause Found (2),Unique Incident (2),Weather (1),Car/Pole Accident (1),Bird (1)
ALABAMA	2024	15	950	432 Equipment Failure (4),Trees (4),Forced Outage/Emergency (2),Weather (2),Animal (1),No Specific Cause Found (1),Unique Incident (1)
LAWRENCE	2020	92	50,720	3,411 Trees (53),Weather (20),Equipment Failure (8),Unique Incident (4),Trees - Outside ROW (3),Car/Pole Accident (1),Animal (1),Public Tree Trimming (1),No Specific Cause Found (1)
LAWRENCE	2021	99	10,258	3,863 Trees (22),Planned/Scheduled (19),Equipment Failure (15),Weather (9),Trees - Outside ROW (6),Lightning (4),Unique Incident (4),No Specific Cause Found (4),Forced Outage/Emergency (3),Car/Pole Accident (2),Animal (1)
LAWRENCE	2022	95	7,825	1,612 Trees (17),Weather (13),No Specific Cause Found (12),Equipment Failure (10),Trees - Outside ROW (4),Animal (2),Unique Incident (2),Forced Outage/Emergency (1),Lightning (1),Car/Pole Accident (1),Bird (1),Public Damage (1)
LAWRENCE	2023	53	5,230	2,040 Trees (15),No Specific Cause Found (10),Weather (7),Trees - Outside ROW (6),Equipment Failure (5),Unique Incident (4),Bird (2),Public Damage (2),Animal (1),Forced Outage/Emergency (1)
LAWRENCE	2024	93	11,423	2,898 Trees (38),No Specific Cause Found (20),Equipment Failure (8),Trees - Outside ROW (7),Weather (6),Lightning (6),Unique Incident (3),Animal (2),Forced Outage/Emergency (1),Bird (1),Car/Pole Accident (1)
MAPLE CITY	2020	106	23,639	7,146 Trees (23),Equipment Failure (22),Animal (13),Trees - Outside ROW (13),Planned/Scheduled (10),No Specific Cause Found (10),Forced Outage/Emergency (7),Unique Incident (4),Lightning (2),Transmission/Generation (1),Public Damage (1)
MAPLE CITY	2021	105	33,538	10,247 Trees (41),Equipment Failure (14),Planned/Scheduled (13),Trees - Outside ROW (11),Animal (8),Weather (5),No Specific Cause Found (4),Unique Incident (3),Lightning (3),Public Damage (2),Forced Outage/Emergency (1)
MAPLE CITY	2022	93	33,592	6,112 Trees (29),Equipment Failure (18),Animal (15),Trees - Outside ROW (14),Weather (7),No Specific Cause Found (5),Car/Pole Accident (3),Unique Incident (1),Forced Outage/Emergency (1)
MAPLE CITY	2023	81	14,008	4,421 Trees (32),Trees - Outside ROW (11),Equipment Failure (11),No Specific Cause Found (8),Animal (8),Weather (4),Lightning (2),Unique Incident (2),Public Damage (2),Car/Pole Accident (1)
MAPLE CITY	2024	95	12,865	5,214 Trees (30),Animal (16),Trees - Outside ROW (12),Equipment Failure (12),No Specific Cause Found (12),Weather (5),Forced Outage/Emergency (3),Car/Pole Accident (1),Public Damage (1)
NORTH CORUNNA	2020	44	2,085	753 Equipment Failure (13),Trees (7),Unique Incident (6),No Specific Cause Found (4),Animal (4),Planned/Scheduled (3),Weather (3),Public Damage (2),Bird (1),Car/Pole Accident (1)
NORTH CORUNNA	2021	30	819	334 Equipment Failure (8),Unique Incident (7),Trees (6),Weather (3),Planned/Scheduled (2),Public Damage (1),Trees - Outside ROW (1),Animal (1),No Specific Cause Found (1)
NORTH CORUNNA	2022	31	1,162	272 Equipment Failure (9),Unique Incident (7),Weather (4),Animal (3),Trees (3),Lightning (3),Car/Pole Accident (2)
NORTH CORUNNA	2023	16	1,093	399 Equipment Failure (4),Trees (3),No Specific Cause Found (2),Unique Incident (2),Public Damage (2),Forced Outage/Emergency (1),Weather (1),Animal (1)
NORTH CORUNNA	2024	26	5,478	1,728 Equipment Failure (10),Unique Incident (7),No Specific Cause Found (4),Trees (3),Car/Pole Accident (1),Public Damage (1)
BALLENGER	2020	92	14,064	2,582 Equipment Failure (21),Forced Outage/Emergency (10),Trees (16),Planned/Scheduled (11),Car/Pole Accident (8),Animal (4),Public Damage (4),No Specific Cause Found (3),Unique Incident (3),Weather (3),Lightning (1)
BALLENGER	2021	96	7,658	1,656 Trees (24),Equipment Failure (20),Planned/Scheduled (14),Forced Outage/Emergency (10),Weather (7),Unique Incident (7),No Specific Cause Found (4),Car/Pole Accident (3),Lightning (2),Animal (2),Trees - Outside ROW (1),Public Damage (1),Bird (1)
BALLENGER	2022	60	2,984	758 Trees (27),Equipment Failure (10),Animal (5),Forced Outage/Emergency (5),Unique Incident (5),Car/Pole Accident (3),Weather (2),No Specific Cause Found (2),Public Damage (1)
BALLENGER	2023	56	6,739	2,145 Trees (18),No Specific Cause Found (10),Weather (8),Equipment Failure (7),Car/Pole Accident (4),Animal (3),Unique Incident (3),Forced Outage/Emergency (1),Public Damage (1),Trees - Outside ROW (1)
BALLENGER	2024	85	4,758	2,370 No Specific Cause Found (24),Equipment Failure (19),Trees (18),Forced Outage/Emergency (14),Weather (6),Unique Incident (3),Car/Pole Accident (1)
BENTHEIM	2020	37	1,961	751 Equipment Failure (12),Trees (12),No Specific Cause Found (3),Lightning (3),Trees - Outside ROW (2),Planned/Scheduled (2),Unique Incident (1),Public Damage (1),Bird (1)
BENTHEIM	2021	42	7,964	2,162 Trees (13),Weather (9),No Specific Cause Found (5),Equipment Failure (4),Lightning (3),Unique Incident (3),Planned/Scheduled (2),Trees - Outside ROW (2),Animal (1)
BENTHEIM	2022	46	3,111	731 Trees (21),Equipment Failure (9),Lightning (5),Weather (4),No Specific Cause Found (4),Unique Incident (2),Animal (1)
BENTHEIM	2023	41	3,507	1,473 Trees (16),Equipment Failure (5),No Specific Cause Found (5),Lightning (4),Trees - Outside ROW (3),Public Damage (2),Animal (2),Weather (2),Forced Outage/Emergency (1),Bird (1)
BENTHEIM	2024	50	2,995	1,048 Trees (10),Weather (10),Equipment Failure (8),No Specific Cause Found (8),Unique Incident (6),Lightning (5),Animal (2),Car/Pole Accident (1)
WILDER	2020	35	1,535	460 Equipment Failure (13),Weather (12),Trees (5),Trees - Outside ROW (1),Planned/Scheduled (1),No Specific Cause Found (1),Unique Incident (1),Animal (1)
WILDER	2021	20	3,544	881 Equipment Failure (9),Trees (6),No Specific Cause Found (3),Weather (1),Car/Pole Accident (1)
WILDER	2022	21	424	230 Trees (5),Equipment Failure (4),Trees - Outside ROW (3),Unique Incident (3),No Specific Cause Found (2),Animal (2),Weather (2)
WILDER	2023	13	271	82 Trees (3),Animal (3),Bird (2),Equipment Failure (2),No Specific Cause Found (2),Weather (1)
WILDER	2024	23	1,661	306 Trees (10),Lightning (5),Trees - Outside ROW (1),No Specific Cause Found (2),Weather (2),Animal (1),No Specific Cause Found (1),Forced Outage/Emergency (1)
SKYLARK	2020	72	14,750	14,590 Equipment Failure (22),Planned/Scheduled (13),Trees (10),Unique Incident (9),Forced Outage/Emergency (8),Weather (6),No Specific Cause Found (2),Bird (1),Animal (1)
SKYLARK	2021	131	44,306	7,870 Planned/Scheduled (37),Trees (33),Equipment Failure (26),Forced Outage/Emergency (12),Weather (11),Unique Incident (3),Lightning (2),Animal (2),No Specific Cause Found (2),Public Damage (1),Car/Pole Accident (1),Public Tree Trimming (1)
SKYLARK	2022	71	9,783	2,038 Equipment Failure (17),Trees (14),Weather (11),Forced Outage/Emergency (9),Unique Incident (7),No Specific Cause Found (5),Public Damage (3),Animal (3),Lightning (1),Public Tree Trimming (1)
SKYLARK	2023	53	5,596	1,432 Equipment Failure (18),Trees (12),No Specific Cause Found (8),Weather (4),Animal (4),Unique Incident (3),Forced Outage/Emergency (1),Trees - Outside ROW (1),Lightning (1),Public Damage (1)
SKYLARK	2024	61	21,615	8,108 Equipment Failure (21),Trees (20),Forced Outage/Emergency (8),No Specific Cause Found (5),Weather (4),Car/Pole Accident (1),Public Damage (1),Unique Incident (1)
BILLWOOD	2020	8	329	134 Equipment Failure (5),Trees (2),Forced Outage/Emergency (1)
BILLWOOD	2021	16	543	272 Equipment Failure (8),Planned/Scheduled (4),Trees (3),No Specific Cause Found (1)
BILLWOOD	2022	34	1,796	1,651 Transmission/Generation (24),Equipment Failure (5),Trees (3),Car/Pole Accident (1),Forced Outage/Emergency (1)
BILLWOOD	2023	42	1,041	269 Trees (20),Equipment Failure (7),Weather (6),Unique Incident (3),No Specific Cause Found (2),Car/Pole Accident (2),Bird (1),Forced Outage/Emergency (1)
BILLWOOD	2024	14	897	235 Trees (6),Lightning (2),No Specific Cause Found (1),Animal (1),Forced Outage/Emergency (1),Unique Incident (1),Equipment Failure (1),Public Damage (1)
NEUBURG	2020	69	7,750	3,833 Unique Incident (20),Trees (10),Equipment Failure (7),Weather (8),Planned/Scheduled (6),Lightning (5),No Specific Cause Found (5),Animal (4),Forced Outage/Emergency (2),Car/Pole Accident (2),Trees - Outside ROW (2)
NEUBURG	2021	80	3,955	3,141 Unique Incident (17),Equipment Failure (16),Trees (14),Animal (8),Planned/Scheduled (6),Weather (5),No Specific Cause Found (5),Public Damage (2),Bird (2),Trees - Outside ROW (2),Lightning (2),Forced Outage/Emergency (1)
NEUBURG	2022	67	5,511	3,853 Unique Incident (21),Weather (14),Equipment Failure (13),Trees (7),Animal (6),No Specific Cause Found (5),Bird (1)
NEUBURG	2023	74	15,694	4,153 Trees (13),Unique Incident (14),Weather (12),No Specific Cause Found (11),Animal (7),Equipment Failure (6),Lightning (3),Public Damage (1),Public Tree Trimming (1),Forced Outage/Emergency (1)
NEUBURG	2024	71	10,071	2,254 Unique Incident (15),Trees (13),Animal (10),Equipment Failure (9),No Specific Cause Found (8),Weather (6),Car/Pole Accident (2),Lightning (2),Trees - Outside ROW (2),Public Damage (1)
SQUIRES	2020	33	4,493	1,513 Equipment Failure (13),Trees (12),No Specific Cause Found (2),Trees - Outside ROW (2),Planned/Scheduled (2),Animal (1),Weather (1)
SQUIRES	2021	55	17,247	1,664 Trees (29),Equipment Failure (9),Weather (7),Planned/Scheduled (4),Trees - Outside ROW (2),Animal (1),Unique Incident (1),Bird (1),No Specific Cause Found (1)
SQUIRES	2022	40	5,748	1,265 Trees (11),Equipment Failure (8),No Specific Cause Found (7),Trees - Outside ROW (4),Animal (4),Weather (4),Public Damage (1),Lightning (1)
SQUIRES	2023	26	1,076	897 No Specific Cause Found (8),Trees (8),Weather (3),Equipment Failure (2),Unique Incident (2),Trees - Outside ROW (2),Animal (1)
SQUIRES	2024	28	1,325	331 Trees (9),No Specific Cause Found (6),Animal (4),Equipment Failure (4),Weather (2),Unique Incident (2),Car/Pole Accident (1)
CHAUVEZ	2020	7	4,883	278 Equipment Failure (3),Planned/Scheduled (2),Trees (1),Trees - Outside ROW (1)

CHALVEZ	2021	10	1,385	377 Equipment Failure (4),Trees (3),Trees - Outside ROW (1),Weather (1),No Specific Cause Found (1)
CHALVEZ	2022	15	2,782	784 Weather (6),Trees (4),Equipment Failure (2),Trees - Outside ROW (1),No Specific Cause Found (1),Transmission/Generation (1)
CHALVEZ	2023	11	4,167	1,016 Trees (6),Trees - Outside ROW (2),Equipment Failure (2),Weather (1)
CHALVEZ	2024	8	2,430	329 Trees (2),Equipment Failure (2),Trees - Outside ROW (1),Weather (1),Animal (1),No Specific Cause Found (1)
PEWAMO	2020	15	301	99 Equipment Failure (4),Trees (3),Planned/Scheduled (3),No Specific Cause Found (1),Trees - Outside ROW (1),Animal (1),Unique Incident (1),Weather (1)
PEWAMO	2021	18	2,864	970 Animal (5),Equipment Failure (4),No Specific Cause Found (3),Weather (3),Trees (3)
PEWAMO	2022	13	581	156 Weather (4),Trees (2),Animal (2),Lightning (2),Unique Incident (1),No Specific Cause Found (1),Equipment Failure (1)
PEWAMO	2023	12	638	177 Equipment Failure (4),No Specific Cause Found (4),Trees (1),Weather (1),Trees - Outside ROW (1),Public Tree Trimming (1)
PEWAMO	2024	8	232	218 No Specific Cause Found (3),Animal (2),Equipment Failure (1),Trees (1),Forced Outage/Emergency (1)
TUCKER	2020	22	451	57 Equipment Failure (8),Trees (5),No Specific Cause Found (3),Planned/Scheduled (2),Weather (1),Trees - Outside ROW (1),Animal (1),Forced Outage/Emergency (1)
TUCKER	2021	44	25,606	3,215 Trees (14),Equipment Failure (8),Forced Outage/Emergency (8),Planned/Scheduled (5),Unique Incident (3),Trees - Outside ROW (2),Car/Pole Accident (1),Animal (1),Weather (1),No Specific Cause Found (1)
TUCKER	2022	27	4,995	891 Trees (10),Equipment Failure (8),No Specific Cause Found (3),Weather (3),Public Damage (1),Forced Outage/Emergency (1),Unique Incident (1)
TUCKER	2023	19	1,457	263 Trees (7),No Specific Cause Found (5),Equipment Failure (4),Forced Outage/Emergency (2),Weather (1)
TUCKER	2024	27	16,928	2,810 Forced Outage/Emergency (7),Equipment Failure (6),Weather (5),No Specific Cause Found (4),Trees (4),Unique Incident (1)
NORTH KENT	2020	46	3,337	1,480 Equipment Failure (14),Planned/Scheduled (9),Animal (8),Trees (5),Unique Incident (4),Weather (2),Car/Pole Accident (2),Bird (1),No Specific Cause Found (1)
NORTH KENT	2021	44	5,976	1,375 Animal (15),Equipment Failure (10),Trees (8),Weather (3),Trees - Outside ROW (3),No Specific Cause Found (2),Public Damage (1),Car/Pole Accident (1),Planned/Scheduled (1)
NORTH KENT	2022	49	9,442	2,820 Equipment Failure (15),Animal (11),Trees (8),No Specific Cause Found (6),Weather (4),Bird (2),Unique Incident (1),Lightning (1),Trees - Outside ROW (1)
NORTH KENT	2023	86	11,823	3,693 Trees (27),Equipment Failure (18),Weather (12),Animal (12),No Specific Cause Found (7),Unique Incident (4),Lightning (2),Bird (2),Public Damage (1),Forced Outage/Emergency (1)
NORTH KENT	2024	37	6,325	1,351 Animal (11),Equipment Failure (10),No Specific Cause Found (5),Trees (3),Unique Incident (3),Forced Outage/Emergency (2),Bird (1),Public Damage (1),Weather (1)
FROST	2020	91	15,935	5,507 Trees (32),Planned/Scheduled (17),Equipment Failure (12),Trees - Outside ROW (9),No Specific Cause Found (7),Forced Outage/Emergency (5),Weather (3),Car/Pole Accident (2),Public Tree Trimming (1),Unique Incident (1),Public Damage (1),Bird (1)
FROST	2021	89	16,583	3,220 Trees (33),Planned/Scheduled (24),Equipment Failure (9),Trees - Outside ROW (7),No Specific Cause Found (5),Weather (3),Forced Outage/Emergency (2),Unique Incident (2),Public Damage (2),Animal (1),Lightning (1)
FROST	2022	46	6,366	2,693 Trees (20),Trees - Outside ROW (7),Equipment Failure (7),No Specific Cause Found (5),Unique Incident (4),Weather (2),Forced Outage/Emergency (1)
FROST	2023	29	5,814	1,887 Trees (12),Trees - Outside ROW (4),Unique Incident (4),Equipment Failure (3),Animal (2),No Specific Cause Found (2),Forced Outage/Emergency (1),Weather (1)
FROST	2024	88	26,090	5,464 Trees (37),Trees - Outside ROW (15),No Specific Cause Found (14),Weather (9),Unique Incident (4),Equipment Failure (3),Bird (1),Animal (1),Lightning (1),Forced Outage/Emergency (1),Public Tree Trimming (1),Public Damage (1)
WIRTZ ROAD	2020	85	12,105	4,254 Planned/Scheduled (28),Trees (28),Equipment Failure (13),Forced Outage/Emergency (5),No Specific Cause Found (4),Unique Incident (3),Public Damage (2),Trees - Outside ROW (1),Weather (1)
WIRTZ ROAD	2021	52	18,199	5,318 Trees (14),Planned/Scheduled (14),Equipment Failure (9),Trees - Outside ROW (4),Weather (4),Animal (3),Forced Outage/Emergency (2),Unique Incident (1),Lightning (1)
WIRTZ ROAD	2022	44	14,218	4,595 Trees (19),Equipment Failure (10),Trees - Outside ROW (6),No Specific Cause Found (4),Public Damage (2),Bird (1),Lightning (1),Weather (1)
WIRTZ ROAD	2023	40	2,653	881 Trees (21),Equipment Failure (5),No Specific Cause Found (5),Animal (4),Trees - Outside ROW (2),Unique Incident (2),Public Damage (1)
WIRTZ ROAD	2024	73	8,570	2,308 Trees (34),Weather (13),Forced Outage/Emergency (9),Equipment Failure (7),Animal (4),No Specific Cause Found (4),Trees - Outside ROW (1),Public Damage (1)
ANGELL	2020	13	537	99 Equipment Failure (5),Bird (2),Trees (2),Lightning (1),Planned/Scheduled (1),Animal (1),No Specific Cause Found (1)
ANGELL	2021	17	759	252 Equipment Failure (5),Animal (4),Trees (3),Car/Pole Accident (1),Planned/Scheduled (1),Weather (1),Unique Incident (1),No Specific Cause Found (1)
ANGELL	2022	16	132	89 Equipment Failure (5),Trees (4),Animal (3),Trees - Outside ROW (1),Weather (1),Bird (1),Forced Outage/Emergency (1)
ANGELL	2023	22	1,801	712 Animal (6),Equipment Failure (5),Trees (4),Unique Incident (2),Car/Pole Accident (2),Lightning (2),No Specific Cause Found (1)
ANGELL	2024	15	332	87 No Specific Cause Found (4),Animal (4),Equipment Failure (3),Trees (2),Unique Incident (1),Trees - Outside ROW (1)
PETTIS ROAD	2020	65	7,572	1,354 Trees (16),Equipment Failure (10),Animal (7),Weather (7),Trees - Outside ROW (6),No Specific Cause Found (6),Planned/Scheduled (6),Forced Outage/Emergency (3),Public Damage (2),Lightning (1),Unique Incident (1)
PETTIS ROAD	2021	66	5,018	2,309 Trees (24),Equipment Failure (11),No Specific Cause Found (6),Animal (5),Trees - Outside ROW (5),Weather (4),Public Damage (4),Lightning (3),Planned/Scheduled (2),Unique Incident (2)
PETTIS ROAD	2022	68	11,466	3,522 Trees (25),Equipment Failure (15),No Specific Cause Found (10),Trees - Outside ROW (5),Animal (5),Weather (3),Public Damage (2),Bird (2),Unique Incident (1)
PETTIS ROAD	2023	96	3,719	1,347 Trees (40),Equipment Failure (15),Weather (14),No Specific Cause Found (8),Animal (6),Trees - Outside ROW (5),Lightning (3),Unique Incident (3),Car/Pole Accident (2)
PETTIS ROAD	2024	91	15,262	3,159 Trees (50),Animal (11),No Specific Cause Found (8),Weather (7),Trees - Outside ROW (7),Equipment Failure (6),Unique Incident (2)
CRAWFORD	2020	25	833	199 Equipment Failure (8),Trees (4),Weather (3),Planned/Scheduled (3),Trees - Outside ROW (2),Car/Pole Accident (2),Animal (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
CRAWFORD	2021	41	18,348	2,903 Equipment Failure (14),Trees (6),Planned/Scheduled (5),Car/Pole Accident (4),Animal (4),Weather (3),Public Damage (1),Unique Incident (1),Lightning (1),Trees - Outside ROW (1),No Specific Cause Found (1)
CRAWFORD	2022	25	1,419	1,489 Equipment Failure (8),Trees (5),Animal (4),No Specific Cause Found (4),Trees - Outside ROW (3),Lightning (1)
CRAWFORD	2023	32	5,047	1,495 Trees (11),Equipment Failure (11),No Specific Cause Found (4),Weather (3),Trees - Outside ROW (1),Forced Outage/Emergency (1),Unique Incident (1)
CRAWFORD	2024	32	2,147	898 Trees (9),Equipment Failure (8),Animal (4),Bird (3),No Specific Cause Found (3),Trees - Outside ROW (2),Weather (2),Lightning (1)
KALARAMA	2020	20	7,960	4,327 Equipment Failure (8),Trees (6),Planned/Scheduled (3),Animal (1),Weather (1),Bird (1)
KALARAMA	2021	31	13,893	4,995 Weather (11),Public Damage (7),Equipment Failure (5),Animal (2),Trees (2),Unique Incident (2),No Specific Cause Found (1),Planned/Scheduled (1)
KALARAMA	2022	13	794	616 Trees (8),Weather (1),Bird (1),Equipment Failure (1),Animal (1),Unique Incident (1)
KALARAMA	2023	52	1,976	881 Trees (15),Weather (12),No Specific Cause Found (8),Equipment Failure (7),Unique Incident (3),Animal (3),Public Damage (2),Forced Outage/Emergency (1),Bird (1)
KALARAMA	2024	33	2,581	818 Equipment Failure (8),No Specific Cause Found (6),Trees (6),Weather (5),Forced Outage/Emergency (5),Lightning (2),Public Damage (1)
STEELE DRIVE	2020	66	41,062	9,288 Trees (20),Equipment Failure (18),No Specific Cause Found (10),Weather (4),Animal (4),Forced Outage/Emergency (3),Planned/Scheduled (2),Unique Incident (2),Bird (1),Public Damage (1),Lightning (1)
STEELE DRIVE	2021	77	13,420	2,166 Trees (32),Weather (13),Forced Outage/Emergency (9),Equipment Failure (8),No Specific Cause Found (6),Unique Incident (3),Animal (3),Planned/Scheduled (2),Trees - Outside ROW (1)
STEELE DRIVE	2022	66	8,387	2,015 Trees (25),Equipment Failure (14),Unique Incident (5),Forced Outage/Emergency (4),No Specific Cause Found (4),Weather (4),Transmission/Generation (3),Trees - Outside ROW (2),Bird (1),Public Damage (1),Animal (1),Car/Pole Accident (1),Lightning (1)
STEELE DRIVE	2023	73	10,576	6,935 Trees (21),Weather (17),Equipment Failure (17),Unique Incident (6),No Specific Cause Found (5),Forced Outage/Emergency (2),Trees - Outside ROW (2),Public Damage (1),Lightning (1),Animal (1)
STEELE DRIVE	2024	57	4,858	1,014 Trees (14),Weather (11),Trees - Outside ROW (1),Equipment Failure (8),Forced Outage/Emergency (5),No Specific Cause Found (4),Animal (2),Public Damage (1),Unique Incident (1)
PLAINWELL	2020	64	10,877	4,694 Trees (31),Equipment Failure (14),Planned/Scheduled (7),No Specific Cause Found (4),Unique Incident (2),Trees - Outside ROW (2),Forced Outage/Emergency (1),Animal (1),Weather (1),Bird (1)
PLAINWELL	2021	77	27,381	7,693 Trees (28),Planned/Scheduled (13),Equipment Failure (11),Weather (8),Car/Pole Accident (4),Forced Outage/Emergency (3),Unique Incident (3),Trees - Outside ROW (3),Animal (2),Public Damage (1),No Specific Cause Found (1)
PLAINWELL	2022	45	2,584	805 Trees (16),Equipment Failure (12),No Specific Cause Found (10),Trees - Outside ROW (2),Public Damage (1),Forced Outage/Emergency (1),Unique Incident (1),Animal (1),Bird (1)
PLAINWELL	2023	32	1,669	765 Trees (14),Equipment Failure (8),Unique Incident (5),Trees - Outside ROW (3),Animal (1),Public Damage (1)
PLAINWELL	2024	38	1,034	416 Trees (10),Equipment Failure (8),Trees - Outside ROW (7),Weather (4),No Specific Cause Found (3),Unique Incident (2),Car/Pole Accident (2),Animal (1),Public Damage (1)
BIG PRAIRIE	2020	25	2,068	872 Trees (10),Equipment Failure (9),Unique Incident (2),Trees - Outside ROW (1),Planned/Scheduled (1),Public Damage (1),No Specific Cause Found (1)
BIG PRAIRIE	2021	36	13,332	2,496 Trees (19),Equipment Failure (7),Planned/Scheduled (3),Transmission/Generation (2),No Specific Cause Found (2),Unique Incident (1),Trees - Outside ROW (1),Lightning (1)
BIG PRAIRIE	2022	42	2,117	2,924 Trees (23),Equipment Failure (18),No Specific Cause Found (14),Car/Pole Accident (1),Car/Pole Accident (1),Car/Pole Accident (1),Public Tree Trimming (1),Unique Incident (1)
BIG PRAIRIE	2023	76	13,757	4,514 Weather (29),Trees (29),Equipment Failure (7),Trees - Outside ROW (5),No Specific Cause Found (3),Forced Outage/Emergency (3),Lightning (1),Bird (1)
BIG PRAIRIE	2024	59	11,855	3,700 Trees (24),Weather (9),Equipment Failure (9),Trees - Outside ROW (7),No Specific Cause Found (4),Forced Outage/Emergency (3),Public Damage (1),Animal (1),Lightning (1)
MCKEIGHAN	2020	40	4,590	1,134 Trees (17),Planned/Scheduled (9),No Specific Cause Found (6),Equipment Failure (2),Animal (1),Bird (1),Trees - Outside ROW (1),Weather (1),Forced Outage/Emergency (1),Unique Incident (1)
MCKEIGHAN	2021	45	2,858	450 Trees (9),Equipment Failure (9),Weather (5),Planned/Scheduled (5),No Specific Cause Found (4),Forced Outage/Emergency (4),Unique Incident (2),Car/Pole Accident (2),Trees - Outside ROW (2),Animal (1),Bird (1),Lightning (1)
MCKEIGHAN	2022	37	6,181	1,154 Trees (15),Equipment Failure (6),Weather (4),Unique Incident (3),Forced Outage/Emergency (3),Animal (2),Public Damage (1),Public Tree Trimming (1),Lightning (1),No Specific Cause Found (1)
MCKEIGHAN	2023	45	5,364	1,154 Trees (14),Equipment Failure (9),No Specific Cause Found (7),Weather (5),Animal (2),Trees - Outside ROW (2),Lightning (2),Car/Pole Accident (2),Unique Incident (2)
MCKEIGHAN	2024	56	5,522	1,774 Trees (19),Equipment Failure (11),Animal (7),Weather (7),No Specific Cause Found (4),Bird (3),Unique Incident (2),Forced Outage/Emergency (1),Lightning (1),Trees - Outside ROW (1)
BAILEY	2020	29	7,228	1,325 Trees (10),Equipment Failure (9),Trees - Outside ROW (3),Unique Incident (3),Planned/Scheduled (2),Weather (1),Animal (1)
BAILEY	2021	52	19,269	2,547 Trees (30),Planned/Scheduled (4),Trees - Outside ROW (4),Equipment Failure (4),Transmission/Generation (2),Unique Incident (2),Weather (2),Animal (1),Forced Outage/Emergency (1),No Specific Cause Found (1),Public Tree Trimming (1)
BAILEY	2022	24	2,299	719 Trees (11),Weather (5),No Specific Cause Found (3),Unique Incident (2),Forced Outage/Emergency (1),Lightning (1),Equipment Failure (1)
BAILEY	2023	26	1,119	348 Trees (8),Equipment Failure (6),No Specific Cause Found (3),Forced Outage/Emergency (2),Animal (1),Lightning (1),Unique Incident (1),Public Damage (1),Weather (1),Trees - Outside ROW (1),Car/Pole Accident (1)
BAILEY	2024	29	1,893	691 Trees (19),Public Damage (5),No Specific Cause Found (1),Equipment Failure (1),Animal (1),Car/Pole Accident (1),Trees - Outside ROW (1)
WILMOTT	2020	37	4,359	2,243 Planned/Scheduled (17),Equipment Failure (6),Trees (5),No Specific Cause Found (5),Animal (2),Car/Pole Accident (1),Public Damage (1)
WILMOTT	2021	61	11,563	4,093 Equipment Failure (20),Trees (9),Planned/Scheduled (8),Trees - Outside ROW (4),Car/Pole Accident (3),Weather (3),Animal (1),Public Damage (1),Lightning (1),Unique Incident (1)
WILMOTT	2022	36	8,194	2,845 Trees (12),No Specific Cause Found (10),Equipment Failure (6),Public Damage (2),Unique Incident (2),Forced Outage/Emergency (1),Trees - Outside ROW (1),Animal (1),Weather (1)
WILMOTT	2023	16	354	238 Equipment Failure (4),No Specific Cause Found (4),Trees (2),Weather (2),Unique Incident (2),Trees - Outside ROW (1),Animal (1)
WILMOTT	2024	24	2,109	583 No Specific Cause Found (6),Trees (6),Equipment Failure (5),Unique Incident (3),Car/Pole Accident (2),Trees - Outside ROW (2)
BRETTON	2020	75	10,966	3,443 Equipment Failure (18),Planned/Scheduled (14),Forced Outage/Emergency (9),Trees (9),Animal (6),Unique Incident (6),No Specific Cause Found (5),Public Damage (4),Weather (2),Car/Pole Accident (1),Trees - Outside ROW (1)
BRETTON	2021	81	29,516	10,837 Planned/Scheduled (20),Equipment Failure (17),Trees (13),No Specific Cause Found (8),Car/Pole Accident (6),Animal (4),Weather (4),Lightning (3),Unique Incident (2),Forced Outage/Emergency (2),Trees - Outside ROW (1),Public Damage (1)
BRETTON	2022	91	6,431	2,090 Equipment Failure (31),Animal (17),Trees (14),No Specific Cause Found (12),Unique Incident (7),Trees - Outside ROW (3),Forced Outage/Emergency (2),Weather (2),Public Tree Trimming (1),Car/Pole Accident (1),Public Damage (1)
BRETTON	2023	61	7,761	3,939 Equipment Failure (21),Animal (12),Trees (8),Forced Outage/Emergency (6),No Specific Cause Found (6),Public Damage (3),Car/Pole Accident (2),Weather (2),Public Tree Trimming (1)

BRETON	2024	69	9,326	2,002 Equipment Failure (28),Animal (14),Trees (9),No Specific Cause Found (6),Forced Outage/Emergency (6),Weather (5),Car/Pole Accident (1)
WESTWOOD	2020	11	205	103 Trees (8),Equipment Failure (1),Unique Incident (1),Planned/Scheduled (1)
WESTWOOD	2021	23	715	482 Planned/Scheduled (14),Equipment Failure (9)
WESTWOOD	2022	21	1,386	669 Equipment Failure (7),Trees (5),Weather (3),No Specific Cause Found (2),Trees - Outside ROW (2),Animal (2)
WESTWOOD	2023	13	958	133 Weather (6),Trees (5),Equipment Failure (2)
WESTWOOD	2024	6	243	No Specific Cause Found (2),Equipment Failure (2),Unique Incident (1),Forced Outage/Emergency (1)
CEDAR LAKE	2020	72	8,383	3,433 Trees (20),Equipment Failure (17),Animal (7),Planned/Scheduled (7),Trees - Outside ROW (5),Weather (4),Unique Incident (3),Forced Outage/Emergency (3),No Specific Cause Found (3),Public Damage (3)
CEDAR LAKE	2021	117	21,908	6,693 Trees (37),Equipment Failure (17),Weather (16),Trees - Outside ROW (14),Planned/Scheduled (11),No Specific Cause Found (10),Animal (7),Unique Incident (2),Forced Outage/Emergency (1),Lightning (1),Bird (1)
CEDAR LAKE	2022	79	31,091	4,232 Trees (25),Equipment Failure (21),Weather (11),Unique Incident (7),No Specific Cause Found (6),Trees - Outside ROW (3),Public Damage (3),Animal (3)
CEDAR LAKE	2023	98	12,704	5,276 Equipment Failure (45),Unique Incident (18),Trees (15),Trees - Outside ROW (7),No Specific Cause Found (7),Animal (2),Forced Outage/Emergency (2),Transmission/Generation (1),Weather (1)
CEDAR LAKE	2024	87	11,549	3,823 Unique Incident (21),Trees (20),Equipment Failure (11),Weather (8),No Specific Cause Found (8),Forced Outage/Emergency (6),Animal (6),Trees - Outside ROW (5),Bird (1),Lightning (1)
FARRINGTON	2020	8	87	66 Trees (2),Animal (2),Lightning (1),Unique Incident (1),Weather (1),Equipment Failure (1)
FARRINGTON	2021	19	1,433	205 Trees (15),Equipment Failure (3),No Specific Cause Found (1)
FARRINGTON	2022	22	2,017	698 Trees (14),Equipment Failure (7),Forced Outage/Emergency (1)
FARRINGTON	2023	15	423	165 No Specific Cause Found (4),Trees (4),Equipment Failure (2),Trees - Outside ROW (2),Weather (2),Unique Incident (1)
FARRINGTON	2024	16	232	68 Weather (4),Equipment Failure (4),Trees (3),Trees - Outside ROW (2),Lightning (1),Animal (1),Unique Incident (1)
LOOMIS	2020	55	1,118	419 Equipment Failure (22),Planned/Scheduled (13),Trees (8),Animal (5),No Specific Cause Found (4),Unique Incident (1),Lightning (1),Public Tree Trimming (1)
LOOMIS	2021	77	6,272	2,835 Planned/Scheduled (25),Equipment Failure (20),Trees (19),Animal (6),Unique Incident (2),Car/Pole Accident (2),Weather (2),Lightning (1)
LOOMIS	2022	52	6,472	4,016 Trees (20),Equipment Failure (19),No Specific Cause Found (4),Weather (3),Lightning (3),Animal (2),Unique Incident (1)
LOOMIS	2023	53	7,141	2,144 Trees (15),Equipment Failure (13),Animal (7),Lightning (7),No Specific Cause Found (5),Public Damage (4),Weather (1),Unique Incident (1)
LOOMIS	2024	41	4,671	797 Trees (18),Equipment Failure (6),No Specific Cause Found (2),Animal (2),Weather (2),Lightning (2),Car/Pole Accident (1)
UPTON	2020	42	1,326	683 Equipment Failure (17),Planned/Scheduled (11),Trees (7),Forced Outage/Emergency (2),Animal (2),Trees - Outside ROW (1),Unique Incident (1),No Specific Cause Found (1)
UPTON	2021	46	1,348	606 Equipment Failure (17),Planned/Scheduled (12),Trees (5),No Specific Cause Found (4),Animal (2),Car/Pole Accident (2),Public Damage (2),Weather (1),Unique Incident (1)
UPTON	2022	31	6,108	5,608 Equipment Failure (8),Weather (6),No Specific Cause Found (5),Animal (4),Transmission/Generation (3),Trees (2),Forced Outage/Emergency (2),Public Damage (1)
UPTON	2023	90	4,393	799 Trees (35),Weather (21),Equipment Failure (15),Animal (6),No Specific Cause Found (5),Unique Incident (4),Lightning (2),Trees - Outside ROW (1),Public Damage (1)
UPTON	2024	25	1,281	594 Equipment Failure (10),Trees (6),Animal (3),No Specific Cause Found (2),Unique Incident (2),Public Damage (1),Car/Pole Accident (1)
SPRINGFIELD	2020	57	3,024	845 Equipment Failure (19),Trees (10),Planned/Scheduled (10),Car/Pole Accident (8),No Specific Cause Found (3),Unique Incident (2),Weather (2),Animal (1),Forced Outage/Emergency (1),Transmission/Generation (1)
SPRINGFIELD	2021	43	2,083	916 Trees (16),Equipment Failure (11),Planned/Scheduled (5),Weather (3),Car/Pole Accident (3),Unique Incident (1),No Specific Cause Found (1),Lightning (1),Public Tree Trimming (1),Animal (1)
SPRINGFIELD	2022	35	7,415	4,183 Equipment Failure (10),Trees (6),Trees - Outside ROW (4),Weather (4),Car/Pole Accident (3),Animal (3),No Specific Cause Found (2),Forced Outage/Emergency (1),Public Damage (1),Bird (1)
SPRINGFIELD	2023	42	6,207	2,293 Equipment Failure (11),Weather (8),Trees (6),Car/Pole Accident (4),Forced Outage/Emergency (3),No Specific Cause Found (2),Unique Incident (2),Lightning (2),Transmission/Generation (1),Animal (1),Bird (1),Public Damage (1)
SPRINGFIELD	2024	35	1,114	244 Trees (8),No Specific Cause Found (7),Equipment Failure (6),Weather (4),Animal (4),Forced Outage/Emergency (2),Car/Pole Accident (1),Unique Incident (1),Public Damage (1),Trees - Outside ROW (1)
PICKEREL	2020	43	8,733	4,112 Trees (13),Equipment Failure (9),Animal (3),Weather (3),Planned/Scheduled (3),Trees - Outside ROW (3),Transmission/Generation (2),No Specific Cause Found (2),Lightning (2),Car/Pole Accident (2),Public Damage (1)
PICKEREL	2021	55	2,730	660 Trees (18),Planned/Scheduled (10),Lightning (5),Trees - Outside ROW (5),Animal (4),No Specific Cause Found (4),Bird (4),Equipment Failure (3),Public Damage (1),Weather (1)
PICKEREL	2022	45	5,974	2,349 Trees (14),Weather (8),No Specific Cause Found (6),Equipment Failure (5),Trees - Outside ROW (5),Animal (3),Public Damage (3),Bird (1)
PICKEREL	2023	36	4,138	1,750 Trees (17),Equipment Failure (6),No Specific Cause Found (4),Public Damage (2),Trees - Outside ROW (2),Unique Incident (2),Animal (1),Weather (1),Bird (1)
PICKEREL	2024	75	5,995	2,025 Trees (29),Trees - Outside ROW (10),Equipment Failure (8),No Specific Cause Found (8),Animal (6),Unique Incident (2),Car/Pole Accident (1),Bird (1)
SPRUCE ROAD	2020	155	28,447	7,259 Trees (50),Equipment Failure (25),Trees - Outside ROW (20),Weather (16),No Specific Cause Found (12),Planned/Scheduled (8),Unique Incident (7),Animal (6),Forced Outage/Emergency (4),Public Damage (2),Transmission/Generation (2),Lightning (1),Bird (1),Car/Pole Accident (1)
SPRUCE ROAD	2021	124	50,236	6,657 Trees (47),Equipment Failure (22),No Specific Cause Found (14),Planned/Scheduled (12),Trees - Outside ROW (10),Weather (10),Animal (5),Forced Outage/Emergency (3),Unique Incident (1)
SPRUCE ROAD	2022	150	28,592	5,118 Trees (48),Weather (3),Equipment Failure (20),No Specific Cause Found (17),Trees - Outside ROW (17),Unique Incident (10),Animal (2),Car/Pole Accident (2),Lightning (1),Public Tree Trimming (1),Public Damage (1)
SPRUCE ROAD	2023	75	17,292	4,456 Trees (21),Equipment Failure (13),Unique Incident (1),No Specific Cause Found (10),Trees - Outside ROW (5),Lightning (4),Animal (3),Car/Pole Accident (2),Weather (2),Bird (2),Public Tree Trimming (1),Forced Outage/Emergency (1)
SPRUCE ROAD	2024	114	46,366	6,455 Trees (26),Equipment Failure (25),Weather (17),Trees - Outside ROW (14),Unique Incident (10),No Specific Cause Found (8),Forced Outage/Emergency (6),Animal (5),Bird (1),Transmission/Generation (1),Public Damage (1)
TAMARACK	2020	83	10,173	3,023 Planned/Scheduled (29),Trees (19),Equipment Failure (12),Weather (4),Trees - Outside ROW (5),No Specific Cause Found (4),Forced Outage/Emergency (2),Car/Pole Accident (2),Animal (2),Public Tree Trimming (1),Lightning (1)
TAMARACK	2021	77	9,299	4,387 Trees (21),Planned/Scheduled (20),Equipment Failure (14),No Specific Cause Found (9),Unique Incident (3),Weather (3),Animal (2),Bird (2),Trees - Outside ROW (1),Lightning (1),Forced Outage/Emergency (1)
TAMARACK	2022	56	4,302	2,061 Trees (22),Equipment Failure (15),No Specific Cause Found (7),Weather (4),Bird (3),Animal (2),Public Damage (1),Lightning (1),Unique Incident (1)
TAMARACK	2023	61	16,960	4,360 Equipment Failure (17),Trees (15),No Specific Cause Found (9),Trees - Outside ROW (6),Weather (4),Unique Incident (3),Lightning (2),Forced Outage/Emergency (2),Bird (2),Animal (1)
TAMARACK	2024	32	4,498	2,074 Equipment Failure (8),Trees (5),No Specific Cause Found (5),Trees - Outside ROW (4),Weather (3),Animal (3),Unique Incident (2),Forced Outage/Emergency (1),Bird (1)
RANGER LAKE	2020	150	27,077	6,747 Trees (53),Planned/Scheduled (25),Trees - Outside ROW (23),Weather (15),Equipment Failure (14),No Specific Cause Found (8),Forced Outage/Emergency (4),Animal (3),Unique Incident (2),Public Damage (1),Lightning (1),Car/Pole Accident (1)
RANGER LAKE	2021	135	33,723	6,223 Trees (44),Trees - Outside ROW (20),Equipment Failure (18),Planned/Scheduled (14),No Specific Cause Found (13),Weather (9),Animal (6),Unique Incident (5),Forced Outage/Emergency (3),Lightning (2),Public Damage (1)
RANGER LAKE	2022	97	20,728	6,869 Equipment Failure (27),Trees (26),Weather (14),Trees - Outside ROW (11),No Specific Cause Found (6),Unique Incident (6),Forced Outage/Emergency (3),Car/Pole Accident (2),Lightning (2)
RANGER LAKE	2023	91	36,154	14,372 Equipment Failure (27),Unique Incident (21),Trees - Outside ROW (14),Trees (14),No Specific Cause Found (4),Forced Outage/Emergency (3),Car/Pole Accident (3),Weather (2),Bird (1),Animal (1),Lightning (1)
RANGER LAKE	2024	134	23,975	6,647 Trees (42),Equipment Failure (22),Unique Incident (20),Trees - Outside ROW (20),Weather (14),No Specific Cause Found (9),Forced Outage/Emergency (4),Animal (3)
WHITTEMORE	2020	118	3,228	1,422 Equipment Failure (47),Trees (21),No Specific Cause Found (15),Animal (9),Weather (6),Planned/Scheduled (5),Forced Outage/Emergency (4),Unique Incident (4),Trees - Outside ROW (2),Bird (2),Public Damage (1),Car/Pole Accident (1),Lightning (1)
WHITTEMORE	2021	161	30,399	4,823 Equipment Failure (41),Trees (39),Trees - Outside ROW (17),No Specific Cause Found (15),Weather (15),Animal (12),Lightning (6),Planned/Scheduled (5),Unique Incident (4),Forced Outage/Emergency (4),Car/Pole Accident (1),Bird (1),Public Damage (1)
WHITTEMORE	2022	177	12,534	3,102 Trees (51),Equipment Failure (44),Weather (27),Unique Incident (20),No Specific Cause Found (14),Animal (9),Trees - Outside ROW (8),Lightning (2),Forced Outage/Emergency (1),Public Damage (1)
WHITTEMORE	2023	90	9,195	4,585 Equipment Failure (27),Unique Incident (24),Trees (10),No Specific Cause Found (9),Trees - Outside ROW (8),Weather (6),Lightning (3),Animal (2),Car/Pole Accident (1)
WHITTEMORE	2024	181	16,799	3,507 Trees (48),Equipment Failure (35),Weather (34),Unique Incident (22),No Specific Cause Found (20),Trees - Outside ROW (8),Animal (7),Forced Outage/Emergency (5),Lightning (1),Public Damage (1)
DUQUITE	2020	117	8,778	2,841 Trees (40),No Specific Cause Found (18),Equipment Failure (16),Animal (13),Trees - Outside ROW (7),Weather (7),Planned/Scheduled (6),Car/Pole Accident (3),Bird (3),Public Tree Trimming (2),Unique Incident (2)
DUQUITE	2021	133	58,940	7,650 Trees (41),Equipment Failure (24),No Specific Cause Found (18),Animal (16),Weather (13),Planned/Scheduled (7),Lightning (5),Unique Incident (3),Trees - Outside ROW (2),Bird (1),Public Damage (1),Transmission/Generation (1),Car/Pole Accident (1)
DUQUITE	2022	104	5,334	1,637 Trees (32),Equipment Failure (24),Animal (16),No Specific Cause Found (15),Weather (5),Bird (4),Lightning (3),Trees - Outside ROW (3),Unique Incident (1),Public Damage (1)
DUQUITE	2023	71	7,255	2,253 Animal (19),Trees (15),Equipment Failure (12),No Specific Cause Found (8),Lightning (6),Forced Outage/Emergency (4),Trees - Outside ROW (2),Bird (1),Public Tree Trimming (1),Weather (1),Unique Incident (1),Car/Pole Accident (1)
DUQUITE	2024	91	3,700	1,061 Trees (34),No Specific Cause Found (16),Animal (13),Equipment Failure (11),Weather (9),Bird (3),Trees - Outside ROW (2),Unique Incident (2),Lightning (1)
EAST TAWAS	2020	98	32,223	10,209 Trees (24),Equipment Failure (17),Animal (13),Weather (13),No Specific Cause Found (9),Animal (6),Trees - Outside ROW (5),Unique Incident (5),Car/Pole Accident (4),Weather (3),Forced Outage/Emergency (3),Public Damage (1),Bird (1)
EAST TAWAS	2021	98	10,026	1,794 Trees (24),Equipment Failure (18),No Specific Cause Found (17),Planned/Scheduled (12),Animal (12),Unique Incident (3),Bird (3),Lightning (3),Trees - Outside ROW (2),Weather (2),Forced Outage/Emergency (1),Car/Pole Accident (1),Public Damage (1)
EAST TAWAS	2022	81	8,593	2,209 Trees (18),Unique Incident (18),Weather (17),Equipment Failure (11),No Specific Cause Found (6),Animal (5),Trees - Outside ROW (4),Lightning (1),Forced Outage/Emergency (1)
EAST TAWAS	2023	47	9,158	3,848 Unique Incident (15),Equipment Failure (10),No Specific Cause Found (6),Trees - Outside ROW (4),Animal (4),Trees (3),Public Damage (1),Car/Pole Accident (1),Public Tree Trimming (1),Weather (1),Forced Outage/Emergency (1)
EAST TAWAS	2024	67	16,663	5,444 Unique Incident (24),Equipment Failure (13),Weather (12),Trees (6),Trees - Outside ROW (3),Animal (3),Forced Outage/Emergency (3),No Specific Cause Found (3)
COTTAGE GROVE	2020	168	12,243	4,810 Trees (48),Equipment Failure (35),Animal (19),Weather (16),Planned/Scheduled (13),No Specific Cause Found (10),Trees - Outside ROW (8),Lightning (7),Forced Outage/Emergency (7),Car/Pole Accident (2),Unique Incident (1),Public Tree Trimming (1),Bird (1)
COTTAGE GROVE	2021	145	18,029	3,521 Trees (31),Planned/Scheduled (30),Equipment Failure (30),Animal (17),Weather (10),Trees - Outside ROW (8),No Specific Cause Found (5),Lightning (5),Unique Incident (3),Forced Outage/Emergency (2),Bird (2),Transmission/Generation (1),Car/Pole Accident (1)
COTTAGE GROVE	2022	96	8,186	2,165 Trees (28),Equipment Failure (23),Animal (12),Trees - Outside ROW (10),Weather (6),Bird (6),Unique Incident (5),No Specific Cause Found (3),Lightning (1),Forced Outage/Emergency (1),Car/Pole Accident (1)
COTTAGE GROVE	2023	67	4,037	1,001 Equipment Failure (13),Animal (13),Lightning (10),Trees (8),Bird (7),No Specific Cause Found (7),Public Damage (4),Trees - Outside ROW (2),Unique Incident (2),Car/Pole Accident (1)
COTTAGE GROVE	2024	101	5,392	1,946 Equipment Failure (24),Trees (24),Animal (18),No Specific Cause Found (10),Trees - Outside ROW (7),Weather (7),Bird (6),Unique Incident (3),Forced Outage/Emergency (2)
LEVELY	2020	138	11,960	5,928 Equipment Failure (41),Trees (30),Planned/Scheduled (19),No Specific Cause Found (13),Animal (9),Weather (8),Trees - Outside ROW (5),Unique Incident (4),Forced Outage/Emergency (4),Bird (2),Public Damage (1),Public Tree Trimming (1),Car/Pole Accident (1)
LEVELY	2021	168	32,885	10,776 Trees (61),Equipment Failure (30),Planned/Scheduled (14),Trees - Outside ROW (14),Forced Outage/Emergency (12),No Specific Cause Found (11),Unique Incident (10),Animal (8),Weather (4),Bird (2),Car/Pole Accident (1),Lightning (1)
LEVELY	2022	108	41,366	11,349 Trees (33),Equipment Failure (32),No Specific Cause Found (8),Weather (7),Animal (6),Trees - Outside ROW (5),Forced Outage/Emergency (5),Unique Incident (3),Car/Pole Accident (3),Public Damage (2),Bird (2),Lightning (2)
LEVELY	2023	101	10,536	3,462 Trees (30),Equipment Failure (27),No Specific Cause Found (12),Animal (9),Unique Incident (7),Weather (6),Trees - Outside ROW (5),Public Damage (2),Car/Pole Accident (1),Lightning (1),Bird (1)
LEVELY	2024	139	18,616	5,447 Trees (54),Equipment Failure (17),Animal (13),Weather (13),No Specific Cause Found (13),Trees - Outside ROW (11),Unique Incident (7),Transmission/Generation (6),Lightning (2),Bird (1),Public Damage (1),Forced Outage/Emergency (1)
CAMBRIDGE	2020	26	1,845	743 Planned/Scheduled (6),Trees (6),No Specific Cause Found (4),Equipment Failure (3),Trees - Outside ROW (2),Lightning (2),Weather (1),Forced Outage/Emergency (1),Animal (1)
CAMBRIDGE	2021	23	2,556	1,697 Equipment Failure (10),Trees (4),Weather (2),Unique Incident (2),Animal (2),No Specific Cause Found (1),Public Damage (1),Trees - Outside ROW (1)
CAMBRIDGE	2022	17	1,124	339 Trees (5),Weather (4),Equipment Failure (3),No Specific Cause Found (3),Animal (1),Unique Incident (1)
CAMBRIDGE	2023	19	1,610	844 Trees (10),Weather (3),Equipment Failure (2),No Specific Cause Found (1),Forced Outage/Emergency (1),Animal (1),Trees - Outside ROW (1)
CAMBRIDGE	2024	9	406	49 Animal (3),Equipment Failure (2),Trees (2),Trees - Outside ROW (1),No Specific Cause Found (1)
HALEY ROAD	2020	23	2,226	753 Trees (5),No Specific Cause Found (4),Weather (3),Equipment Failure (3),Trees - Outside ROW (2),Lightning (2),Planned/Scheduled (2),Car/Pole Accident (1),Animal (1)
HALEY ROAD	2021	28	1,926	772 Equipment Failure (8),No Specific Cause Found (7),Planned/Scheduled (4),Animal (4),Weather (2),Trees (2),Public Damage (1)

HALEY ROAD	2022	36	1,269	480	Equipment Failure (13),No Specific Cause Found (9),Trees (4),Trees - Outside ROW (3),Lightning (2),Animal (1),Weather (1),Unique Incident (1),Bird (1),Car/Pole Accident (1)
HALEY ROAD	2023	46	3,209	875	Weather (20),No Specific Cause Found (9),Equipment Failure (6),Animal (3),Car/Pole Accident (2),Unique Incident (2),Trees (2),Lightning (1),Trees - Outside ROW (1)
HALEY ROAD	2024	27	568	310	No Specific Cause Found (12),Equipment Failure (5),Trees (4),Unique Incident (3),Weather (1),Lightning (1),Animal (1)
MILLERS POINT	2020	41	10,453	3,509	Equipment Failure (13),Planned/Scheduled (10),No Specific Cause Found (5),Trees (4),Car/Pole Accident (3),Weather (1),Bird (1),Lightning (1),Animal (1),Unique Incident (1),Trees - Outside ROW (1)
MILLERS POINT	2021	54	33,268	7,848	Equipment Failure (14),Planned/Scheduled (12),Public Damage (6),Weather (5),Trees (4),No Specific Cause Found (4),Unique Incident (3),Animal (2),Car/Pole Accident (2),Trees - Outside ROW (1),Forced Outage/Emergency (1)
MILLERS POINT	2022	37	14,592	5,326	Equipment Failure (17),No Specific Cause Found (6),Animal (4),Trees (3),Weather (3),Unique Incident (2),Forced Outage/Emergency (1),Public Damage (1)
MILLERS POINT	2023	40	4,310	3,433	Equipment Failure (12),No Specific Cause Found (7),Trees (5),Public Damage (4),Animal (4),Unique Incident (4),Weather (3),Public Tree Trimming (1)
MILLERS POINT	2024	25	1,823	457	Equipment Failure (6),Trees (5),No Specific Cause Found (5),Animal (3),Weather (2),Forced Outage/Emergency (2),Trees - Outside ROW (1),Public Damage (1)
BENNETT	2020	18	1,261	373	Equipment Failure (7),Trees (6),No Specific Cause Found (3),Planned/Scheduled (2)
BENNETT	2021	50	4,379	2,671	Planned/Scheduled (28),Equipment Failure (9),Trees (6),No Specific Cause Found (2),Forced Outage/Emergency (1),Public Tree Trimming (1),Unique Incident (1),Public Damage (1),Trees - Outside ROW (1)
BENNETT	2022	11	3,993	1,224	Trees (4),Equipment Failure (3),Animal (3),Weather (1)
BENNETT	2023	18	1,988	1,197	Animal (7),Trees (4),No Specific Cause Found (3),Equipment Failure (2),Weather (1),Unique Incident (1)
BENNETT	2024	32	2,029	518	Equipment Failure (12),Trees (8),No Specific Cause Found (6),Public Damage (3),Weather (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
PEACOCK	2020	39	1,604	784	Trees (12),Equipment Failure (12),Planned/Scheduled (6),No Specific Cause Found (4),Trees - Outside ROW (2),Weather (1),Lightning (1),Animal (1)
PEACOCK	2021	71	21,376	6,649	Planned/Scheduled (24),Trees (17),Equipment Failure (14),Weather (5),No Specific Cause Found (4),Trees - Outside ROW (3),Animal (2),Unique Incident (1),Lightning (1)
PEACOCK	2022	35	12,290	2,886	Trees (10),Equipment Failure (10),Trees - Outside ROW (4),Car/Pole Accident (3),No Specific Cause Found (2),Weather (2),Animal (1),Unique Incident (1),Lightning (1),Public Damage (1)
PEACOCK	2023	59	5,292	1,310	Trees (22),Equipment Failure (16),No Specific Cause Found (7),Weather (4),Animal (4),Unique Incident (2),Trees - Outside ROW (2),Lightning (2)
PEACOCK	2024	61	12,954	4,440	Trees (23),No Specific Cause Found (13),Equipment Failure (12),Trees - Outside ROW (7),Animal (2),Unique Incident (2),Weather (1),Car/Pole Accident (1)
JOHNSON	2020	53	1,345	577	Equipment Failure (17),Trees (12),Trees - Outside ROW (6),Planned/Scheduled (6),Weather (4),Animal (4),Public Damage (1),Bird (1),No Specific Cause Found (1),Unique Incident (1)
JOHNSON	2021	63	4,159	2,303	Equipment Failure (19),Trees - Outside ROW (13),Trees (11),No Specific Cause Found (4),Unique Incident (4),Planned/Scheduled (4),Animal (3),Weather (2),Forced Outage/Emergency (1),Public Damage (1),Bird (1)
JOHNSON	2022	60	7,078	2,849	Trees (21),Trees - Outside ROW (13),Equipment Failure (10),No Specific Cause Found (5),Weather (4),Animal (3),Unique Incident (2),Bird (2)
JOHNSON	2023	68	4,547	3,299	Trees (21),Trees - Outside ROW (10),Equipment Failure (10),No Specific Cause Found (9),Lightning (4),Animal (4),Car/Pole Accident (2),Forced Outage/Emergency (2),Unique Incident (2),Public Damage (2),Bird (1),Weather (1)
JOHNSON	2024	113	7,610	2,494	Trees (55),Weather (16),No Specific Cause Found (14),Equipment Failure (9),Animal (7),Trees - Outside ROW (5),Unique Incident (3),Forced Outage/Emergency (3),Lightning (1)
BROUGHWELL	2020	168	14,394	4,426	Equipment Failure (45),Trees (37),No Specific Cause Found (28),Weather (18),Planned/Scheduled (11),Animal (8),Unique Incident (7),Lightning (4),Trees - Outside ROW (4),Public Damage (4),Bird (1),Forced Outage/Emergency (1)
BROUGHWELL	2021	200	20,357	5,178	Equipment Failure (50),Trees (50),No Specific Cause Found (28),Weather (19),Planned/Scheduled (17),Trees - Outside ROW (15),Animal (9),Forced Outage/Emergency (3),Bird (3),Unique Incident (2),Lightning (2),Public Damage (1),Public Tree Trimming (1)
BROUGHWELL	2022	205	30,590	7,980	Trees (51),Equipment Failure (45),Weather (39),No Specific Cause Found (20),Animal (15),Unique Incident (11),Trees - Outside ROW (10),Forced Outage/Emergency (4),Car/Pole Accident (3),Public Tree Trimming (2),Bird (2),Lightning (2),Public Damage (1)
BROUGHWELL	2023	171	15,262	5,363	Trees (53),Weather (43),Equipment Failure (26),No Specific Cause Found (16),Animal (10),Trees - Outside ROW (8),Unique Incident (5),Bird (3),Public Tree Trimming (2),Lightning (2),Car/Pole Accident (2),Forced Outage/Emergency (1)
BROUGHWELL	2024	172	31,282	13,704	Weather (36),Equipment Failure (33),No Specific Cause Found (30),Trees (30),Animal (16),Unique Incident (10),Trees - Outside ROW (9),Car/Pole Accident (2),Bird (2),Lightning (2),Forced Outage/Emergency (1),Transmission/Generation (1)
BLACKMAN	2020	94	17,172	3,945	Equipment Failure (29),Trees (22),Weather (12),No Specific Cause Found (12),Planned/Scheduled (5),Animal (5),Trees - Outside ROW (3),Unique Incident (3),Forced Outage/Emergency (2),Public Damage (1)
BLACKMAN	2021	106	13,659	6,223	Equipment Failure (30),Trees (21),No Specific Cause Found (14),Planned/Scheduled (12),Weather (9),Unique Incident (5),Car/Pole Accident (4),Animal (3),Trees - Outside ROW (3),Lightning (2),Public Tree Trimming (1),Public Damage (1),Forced Outage/Emergency (1)
BLACKMAN	2022	71	13,346	4,278	Trees (20),Equipment Failure (18),Animal (10),No Specific Cause Found (7),Weather (7),Car/Pole Accident (4),Lightning (3),Unique Incident (2)
BLACKMAN	2023	75	10,680	2,784	Equipment Failure (14),Trees (11),No Specific Cause Found (8),Unique Incident (8),Animal (8),Weather (7),Car/Pole Accident (5),Trees - Outside ROW (5),Forced Outage/Emergency (5),Public Damage (3),Bird (1)
BLACKMAN	2024	93	10,242	3,860	Trees (32),Equipment Failure (24),No Specific Cause Found (12),Animal (11),Weather (5),Unique Incident (5),Bird (2),Public Damage (1),Trees - Outside ROW (1)
VANDERBILT	2020	77	24,419	4,452	Equipment Failure (26),Trees - Outside ROW (15),Trees (14),Planned/Scheduled (8),Weather (7),Forced Outage/Emergency (2),No Specific Cause Found (2),Lightning (1),Car/Pole Accident (1),Animal (1)
VANDERBILT	2021	80	10,538	2,579	Trees (29),Equipment Failure (17),Trees - Outside ROW (15),Weather (9),Planned/Scheduled (6),No Specific Cause Found (5),Car/Pole Accident (4),Animal (3),Lightning (1),Public Tree Trimming (1)
VANDERBILT	2022	49	7,186	3,385	Trees - Outside ROW (16),Trees (11),Equipment Failure (8),Weather (7),No Specific Cause Found (3),Animal (2),Unique Incident (1),Lightning (1)
VANDERBILT	2023	38	5,974	3,595	Equipment Failure (11),Trees - Outside ROW (8),No Specific Cause Found (6),Trees (5),Unique Incident (4),Forced Outage/Emergency (1),Car/Pole Accident (1),Public Tree Trimming (1),Weather (1)
VANDERBILT	2024	58	2,988	1,762	Trees - Outside ROW (20),Equipment Failure (10),Trees (9),No Specific Cause Found (8),Weather (5),Lightning (2),Unique Incident (2),Forced Outage/Emergency (1),Animal (1)
ROSCOMMON	2020	80	6,258	1,360	Equipment Failure (28),Trees (20),Animal (10),Planned/Scheduled (8),No Specific Cause Found (5),Forced Outage/Emergency (2),Weather (2),Trees - Outside ROW (2),Car/Pole Accident (1),Public Tree Trimming (1),Lightning (1)
ROSCOMMON	2021	98	6,039	1,288	Trees (39),Equipment Failure (20),Planned/Scheduled (9),Animal (6),Weather (6),No Specific Cause Found (4),Forced Outage/Emergency (3),Lightning (2),Unique Incident (2),Trees - Outside ROW (2),Public Damage (2),Bird (1),Public Tree Trimming (1),Car/Pole Accident (1)
ROSCOMMON	2022	77	9,512	6,881	Trees (31),Equipment Failure (23),No Specific Cause Found (9),Trees - Outside ROW (4),Forced Outage/Emergency (3),Animal (2),Car/Pole Accident (1),Public Tree Trimming (1),Unique Incident (1),Weather (1),Lightning (1)
ROSCOMMON	2023	61	4,350	943	Equipment Failure (22),Trees (21),Trees - Outside ROW (5),No Specific Cause Found (5),Animal (4),Lightning (2),Forced Outage/Emergency (1),Public Damage (1)
ROSCOMMON	2024	68	7,244	1,685	No Specific Cause Found (22),Equipment Failure (19),Trees (16),Forced Outage/Emergency (4),Animal (2),Weather (2),Lightning (2),Unique Incident (1)
WEST ROAD	2020	18	243	142	Planned/Scheduled (11),Equipment Failure (3),No Specific Cause Found (2),Unique Incident (1),Weather (1)
WEST ROAD	2021	14	1,449	664	Equipment Failure (7),Planned/Scheduled (4),Animal (1),Trees (1),No Specific Cause Found (1)
WEST ROAD	2022	21	1,065	329	Equipment Failure (9),Trees (4),No Specific Cause Found (3),Trees - Outside ROW (2),Lightning (1),Weather (1),Unique Incident (1)
WEST ROAD	2023	45	8,124	3,354	Unique Incident (32),Trees (6),Animal (2),No Specific Cause Found (2),Equipment Failure (1),Car/Pole Accident (1),Forced Outage/Emergency (1)
WEST ROAD	2024	7	328	72	Trees (4),Equipment Failure (2),Animal (1)
KRAFT AVENUE	2020	23	7,652	1,254	Equipment Failure (14),Animal (3),Trees (2),Planned/Scheduled (2),Forced Outage/Emergency (2)
KRAFT AVENUE	2021	29	971	419	Equipment Failure (11),No Specific Cause Found (5),Planned/Scheduled (3),Animal (3),Lightning (2),Public Damage (2),Forced Outage/Emergency (1),Weather (1),Car/Pole Accident (1)
KRAFT AVENUE	2022	29	6,754	2,142	Equipment Failure (15),Animal (7),No Specific Cause Found (3),Public Damage (2),Car/Pole Accident (1),Forced Outage/Emergency (1)
KRAFT AVENUE	2023	32	2,237	836	Equipment Failure (19),Animal (5),Unique Incident (3),Weather (2),Public Damage (1),No Specific Cause Found (1),Trees - Outside ROW (1)
KRAFT AVENUE	2024	22	1,763	1,073	Equipment Failure (11),Animal (5),Unique Incident (3),No Specific Cause Found (2),Trees (1)
BIL-MAR	2020	34	7,286	2,917	Equipment Failure (11),Trees (8),Weather (5),No Specific Cause Found (4),Planned/Scheduled (3),Trees - Outside ROW (2),Lightning (1)
BIL-MAR	2021	38	1,810	2,261	Trees (8),Trees - Outside ROW (7),No Specific Cause Found (6),Planned/Scheduled (5),Public Damage (2),Equipment Failure (2),Lightning (2),Unique Incident (2),Weather (1),Bird (1),Forced Outage/Emergency (1),Animal (1)
BIL-MAR	2022	37	6,923	1,049	Equipment Failure (11),No Specific Cause Found (9),Animal (4),Lightning (3),Public Damage (3),Trees - Outside ROW (3),Trees (2),Car/Pole Accident (1),Weather (1)
BIL-MAR	2023	33	2,730	639	Trees (10),Trees - Outside ROW (6),Equipment Failure (6),No Specific Cause Found (6),Unique Incident (2),Forced Outage/Emergency (1),Animal (1),Weather (1)
BIL-MAR	2024	47	1,605	498	Weather (16),Trees (11),Equipment Failure (6),Trees - Outside ROW (4),Unique Incident (4),No Specific Cause Found (3),Animal (1),Lightning (1),Forced Outage/Emergency (1)
BELKNAP	2020	35	1,122	370	Trees (16),Equipment Failure (6),No Specific Cause Found (4),Lightning (3),Planned/Scheduled (3),Animal (1),Public Tree Trimming (1),Weather (1)
BELKNAP	2021	32	1,637	588	Trees (15),Trees - Outside ROW (4),Unique Incident (4),Equipment Failure (3),Planned/Scheduled (2),No Specific Cause Found (2),Weather (1),Public Damage (1)
BELKNAP	2022	36	1,320	355	Trees (19),Equipment Failure (5),No Specific Cause Found (4),Trees - Outside ROW (2),Lightning (2),Public Damage (2),Bird (1),Forced Outage/Emergency (1)
BELKNAP	2023	32	2,428	830	Trees (14),Trees - Outside ROW (16),No Specific Cause Found (3),Weather (2),Animal (3),Unique Incident (1),Public Tree Trimming (1),Lightning (1)
BELKNAP	2024	49	2,119	277	Trees (9),No Specific Cause Found (3),Forced Outage/Emergency (2),Trees - Outside ROW (2),Public Damage (1),Animal (1),Unique Incident (1)
BROGAN	2020	41	4,091	1,050	Trees (20),Equipment Failure (10),Planned/Scheduled (3),Animal (2),No Specific Cause Found (2),Weather (1),Public Tree Trimming (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
BROGAN	2021	63	6,170	2,027	Trees (23),Equipment Failure (16),No Specific Cause Found (11),Lightning (3),Planned/Scheduled (3),Trees - Outside ROW (3),Public Damage (1),Animal (1),Weather (1),Forced Outage/Emergency (1)
BROGAN	2022	41	5,026	934	Trees (20),Equipment Failure (8),Animal (4),Weather (2),Public Tree Trimming (2),Trees - Outside ROW (1),No Specific Cause Found (1),Lightning (1),Forced Outage/Emergency (1),Car/Pole Accident (1)
BROGAN	2023	46	3,930	1,160	Trees (17),Animal (9),Equipment Failure (8),No Specific Cause Found (8),Forced Outage/Emergency (2),Unique Incident (2)
BROGAN	2024	61	2,580	925	Trees (19),Equipment Failure (10),No Specific Cause Found (7),Weather (7),Animal (6),Trees - Outside ROW (6),Unique Incident (2),Lightning (2),Car/Pole Accident (1),Forced Outage/Emergency (1)
ORCHARD ROAD	2020	31	2,602	408	Equipment Failure (15),Trees (5),Animal (2),Weather (2),Unique Incident (2),Forced Outage/Emergency (2),No Specific Cause Found (1),Planned/Scheduled (1),Trees - Outside ROW (1)
ORCHARD ROAD	2021	54	3,834	1,005	Equipment Failure (17),Trees (13),Planned/Scheduled (10),Forced Outage/Emergency (4),Weather (3),No Specific Cause Found (2),Unique Incident (2),Lightning (1),Bird (1),Public Damage (1)
ROSEWOOD	2020	77	5,148	2,889	Equipment Failure (25),Animal (24),Planned/Scheduled (12),Trees (6),No Specific Cause Found (3),Forced Outage/Emergency (3),Public Tree Trimming (2),Weather (1),Public Damage (1)
ROSEWOOD	2021	54	5,563	2,766	Equipment Failure (17),Animal (14),Trees (6),Unique Incident (6),Weather (3),Public Damage (2),Planned/Scheduled (2),Forced Outage/Emergency (2),No Specific Cause Found (2)
ROSEWOOD	2022	58	4,590	1,288	Animal (18),Public Damage (10),Equipment Failure (9),No Specific Cause Found (6),Trees (5),Unique Incident (2),Weather (2),Trees - Outside ROW (2),Car/Pole Accident (2),Bird (1),Forced Outage/Emergency (1)
ROSEWOOD	2023	52	6,855	3,670	Equipment Failure (24),Animal (16),Trees (5),No Specific Cause Found (3),Public Damage (2),Weather (1),Unique Incident (1)
ROSEWOOD	2024	77	10,060	4,765	Animal (23),Equipment Failure (20),Public Damage (12),No Specific Cause Found (5),Forced Outage/Emergency (4),Trees (4),Weather (3),Unique Incident (2),Bird (2),Car/Pole Accident (1),Lightning (1)
TALLMAN	2020	111	10,161	5,910	Equipment Failure (29),Trees (28),Planned/Scheduled (16),Animal (16),No Specific Cause Found (9),Public Damage (9),Weather (4),Lightning (3),Lightning (3),Unique Incident (1),Trees - Outside ROW (1)
TALLMAN	2021	134	18,372	2,866	Trees (59),Equipment Failure (27),Animal (20),No Specific Cause Found (17),Lightning (6),Weather (4),Planned/Scheduled (4),Unique Incident (3),Forced Outage/Emergency (1),Public Damage (1),Trees - Outside ROW (1)
TALLMAN	2022	137	8,313	2,817	Animal (34),Equipment Failure (33),Trees (28),No Specific Cause Found (19),Weather (6),Lightning (5),Unique Incident (4),Trees - Outside ROW (4),Bird (3),Public Damage (1)
TALLMAN	2023	203	18,330	5,929	Trees (68),No Specific Cause Found (34),Weather (27),Animal (26),Equipment Failure (23),Lightning (11),Trees - Outside ROW (9),Car/Pole Accident (4),Bird (1)
TALLMAN	2024	131	7,807	3,418	No Specific Cause Found (31),Equipment Failure (27),Animal (27),Trees (23),Weather (5),Lightning (4),Trees - Outside ROW (3),Unique Incident (3),Forced Outage/Emergency (2),Public Damage (2),Car/Pole Accident (2),Bird (2)
WATKINS	2020	54	3,205	1,171	Trees (27),Equipment Failure (11),Weather (5),Trees - Outside ROW (5),Planned/Scheduled (2),Car/Pole Accident (1),Animal (1),Unique Incident (1),No Specific Cause Found (1)
WATKINS	2021	65	10,637	2,174	Trees (20),Equipment Failure (11),Planned/Scheduled (7),Unique Incident (7),Trees - Outside ROW (6),Car/Pole Accident (3),Weather (3),No Specific Cause Found (3),Animal (1),Forced Outage/Emergency (1),Lightning (1),Bird (1),Public Damage (1)
WATKINS	2022	57	19,062	4,335	Trees (19),Equipment Failure (12),No Specific Cause Found (7),Lightning (5),Unique Incident (4),Trees - Outside ROW (4),Weather (3),Public Damage (2),Forced Outage/Emergency (1)

WATKINS	2023	42	7,752	1,980	Trees (12),Equipment Failure (9),Weather (7),Car/Pole Accident (4),No Specific Cause Found (3),Bird (2),Public Damage (1),Forced Outage/Emergency (1),Animal (1),Trees - Outside ROW (1),Unique Incident (1)
WATKINS	2024	32	6,918	3,184	Equipment Failure (9),Trees - Outside ROW (5),Trees (4),No Specific Cause Found (4),Weather (3),Animal (2),Unique Incident (2),Forced Outage/Emergency (1),Public Tree Trimming (1),Public Damage (1)
ALDER CREEK	2020	127	19,564	4,349	Equipment Failure (34),Trees (18),Weather (15),Planned/Scheduled (15),No Specific Cause Found (11),Animal (10),Trees - Outside ROW (8),Lightning (5),Unique Incident (4),Car/Pole Accident (3),Public Tree Trimming (1),Forced Outage/Emergency (1),Public Damage (1),Bird (1)
ALDER CREEK	2021	147	25,302	6,508	Trees (35),Equipment Failure (30),No Specific Cause Found (15),Weather (14),Trees - Outside ROW (12),Animal (10),Lightning (9),Unique Incident (7),Bird (6),Planned/Scheduled (4),Forced Outage/Emergency (2),Public Tree Trimming (2),Public Damage (1)
ALDER CREEK	2022	155	21,322	5,274	Trees (40),Equipment Failure (30),Trees - Outside ROW (23),No Specific Cause Found (22),Animal (18),Weather (10),Bird (4),Unique Incident (3),Forced Outage/Emergency (1),Public Damage (1),Public Tree Trimming (1),Car/Pole Accident (1),Lightning (1)
ALDER CREEK	2023	113	9,954	2,175	Trees (28),Equipment Failure (21),Weather (19),Trees - Outside ROW (15),Animal (10),No Specific Cause Found (9),Bird (4),Forced Outage/Emergency (3),Unique Incident (2),Lightning (1),Public Tree Trimming (1),Car/Pole Accident (1)
ALDER CREEK	2024	143	5,936	2,195	Trees (44),Equipment Failure (20),Weather (18),Trees - Outside ROW (15),No Specific Cause Found (14),Animal (12),Bird (6),Unique Incident (5),Lightning (5),Forced Outage/Emergency (3),Car/Pole Accident (1)
BELL ROAD	2020	118	2,028	886	No Specific Cause Found (29),Equipment Failure (27),Trees (23),Animal (11),Weather (9),Bird (4),Unique Incident (4),Forced Outage/Emergency (3),Trees - Outside ROW (3),Planned/Scheduled (2),Car/Pole Accident (2),Public Damage (1)
BELL ROAD	2021	134	19,939	5,747	Trees (52),Equipment Failure (27),Animal (15),No Specific Cause Found (12),Planned/Scheduled (10),Forced Outage/Emergency (6),Bird (4),Trees - Outside ROW (3),Unique Incident (3),Lightning (1),Weather (1)
BELL ROAD	2022	120	8,627	3,361	Trees (34),Equipment Failure (23),Animal (21),Unique Incident (16),No Specific Cause Found (10),Weather (9),Bird (4),Forced Outage/Emergency (1),Public Damage (1),Public Tree Trimming (1)
BELL ROAD	2023	96	6,699	1,545	Trees (26),Animal (17),No Specific Cause Found (14),Equipment Failure (14),Weather (13),Unique Incident (4),Forced Outage/Emergency (3),Bird (2),Car/Pole Accident (1),Trees - Outside ROW (1),Lightning (1)
BELL ROAD	2024	108	9,850	4,408	Trees (30),Equipment Failure (22),No Specific Cause Found (15),Animal (15),Weather (12),Unique Incident (5),Forced Outage/Emergency (4),Bird (4),Public Tree Trimming (1)
PAVILION	2020	33	6,290	1,718	Equipment Failure (15),Planned/Scheduled (8),No Specific Cause Found (2),Weather (2),Unique Incident (2),Trees (1),Public Damage (1),Car/Pole Accident (1),Animal (1)
PAVILION	2021	30	4,325	2,793	Car/Pole Accident (12),Equipment Failure (7),Planned/Scheduled (5),Unique Incident (2),No Specific Cause Found (2),Public Damage (1),Weather (1)
PAVILION	2022	19	1,846	1,229	No Specific Cause Found (5),Equipment Failure (4),Car/Pole Accident (4),Trees (3),Weather (1),Unique Incident (1),Public Damage (1)
PAVILION	2023	15	746	406	Equipment Failure (5),Trees (3),Trees - Outside ROW (2),Animal (2),Weather (1),Public Damage (1),Lightning (1)
PAVILION	2024	24	530	182	Trees (6),No Specific Cause Found (5),Equipment Failure (5),Weather (4),Animal (2),Trees - Outside ROW (1),Forced Outage/Emergency (1)
FOREMAN	2020	66	4,170	1,990	Trees (23),Equipment Failure (14),No Specific Cause Found (6),Planned/Scheduled (5),Trees - Outside ROW (4),Animal (4),Weather (4),Unique Incident (2),Forced Outage/Emergency (2),Car/Pole Accident (1),Public Damage (1)
FOREMAN	2021	80	3,662	2,210	Trees (29),Equipment Failure (14),Trees - Outside ROW (13),Animal (5),No Specific Cause Found (5),Planned/Scheduled (4),Public Damage (3),Weather (3),Public Tree Trimming (1),Forced Outage/Emergency (1),Unique Incident (1),Lightning (1)
FOREMAN	2022	70	3,970	2,125	Trees - Outside ROW (14),Trees (13),Equipment Failure (11),No Specific Cause Found (9),Forced Outage/Emergency (7),Unique Incident (5),Animal (4),Weather (4),Car/Pole Accident (1),Bird (1),Public Tree Trimming (1)
FOREMAN	2023	130	20,617	4,442	Trees (35),Weather (31),Trees - Outside ROW (29),Equipment Failure (15),No Specific Cause Found (9),Animal (8),Forced Outage/Emergency (1),Unique Incident (1),Lightning (1),Bird (1)
FOREMAN	2024	62	6,819	3,662	Weather (12),Trees (12),Animal (10),Trees - Outside ROW (9),Equipment Failure (8),No Specific Cause Found (5),Lightning (3),Forced Outage/Emergency (2),Public Damage (1)
VILLAGE GREEN	2020	17	8,417	4,447	Equipment Failure (6),Planned/Scheduled (3),Trees (3),Unique Incident (2),Public Damage (2),Lightning (1)
VILLAGE GREEN	2021	24	9,322	4,142	Planned/Scheduled (9),Equipment Failure (4),Public Damage (3),Trees (3),Animal (3),Forced Outage/Emergency (1),Unique Incident (1)
VILLAGE GREEN	2022	14	2,170	470	Equipment Failure (8),Trees (2),Unique Incident (2),No Specific Cause Found (2)
VILLAGE GREEN	2023	19	2,370	1,836	No Specific Cause Found (6),Trees (6),Equipment Failure (3),Unique Incident (1),Car/Pole Accident (1),Weather (1),Forced Outage/Emergency (1)
VILLAGE GREEN	2024	11	1,326	1,047	Trees (4),Equipment Failure (3),Public Damage (1),No Specific Cause Found (1),Trees - Outside ROW (1),Unique Incident (1)
CANNONSBURG	2020	51	7,757	2,554	Trees (24),Equipment Failure (7),Planned/Scheduled (6),Animal (3),Unique Incident (3),Public Damage (3),No Specific Cause Found (2),Trees - Outside ROW (2),Weather (1)
CANNONSBURG	2021	51	6,613	1,716	Trees (26),Equipment Failure (6),Car/Pole Accident (5),Weather (3),No Specific Cause Found (3),Animal (3),Planned/Scheduled (2),Public Damage (2),Bird (1)
CANNONSBURG	2022	54	5,886	2,090	Trees (24),Equipment Failure (15),Animal (6),Trees - Outside ROW (3),No Specific Cause Found (3),Unique Incident (2),Public Tree Trimming (1)
CANNONSBURG	2023	93	10,517	2,466	Trees (42),Weather (22),No Specific Cause Found (11),Equipment Failure (7),Animal (4),Unique Incident (3),Forced Outage/Emergency (2),Trees - Outside ROW (1),Lightning (1)
CANNONSBURG	2024	36	3,728	1,396	Trees (15),No Specific Cause Found (8),Animal (4),Equipment Failure (3),Weather (2),Trees - Outside ROW (2),Public Damage (2)
KIPP ROAD	2020	109	4,326	1,836	Equipment Failure (28),Trees (25),Planned/Scheduled (16),Animal (14),No Specific Cause Found (12),Lightning (6),Weather (2),Forced Outage/Emergency (2),Public Damage (1),Unique Incident (1),Car/Pole Accident (1),Trees - Outside ROW (1)
KIPP ROAD	2021	100	7,543	2,479	Trees (32),Equipment Failure (29),Animal (12),Planned/Scheduled (9),No Specific Cause Found (7),Weather (6),Public Damage (1),Trees - Outside ROW (1),Lightning (1),Unique Incident (1),Forced Outage/Emergency (1)
KIPP ROAD	2022	108	21,428	4,869	Trees (30),Equipment Failure (30),No Specific Cause Found (14),Animal (9),Weather (8),Unique Incident (6),Public Damage (4),Car/Pole Accident (3),Bird (2),Lightning (2),Forced Outage/Emergency (1),Trees - Outside ROW (1)
KIPP ROAD	2023	165	18,265	6,124	Trees (52),Equipment Failure (35),Weather (34),No Specific Cause Found (17),Animal (11),Unique Incident (6),Lightning (3),Public Damage (3),Trees - Outside ROW (2),Car/Pole Accident (1),Forced Outage/Emergency (1)
KIPP ROAD	2024	133	36,507	9,012	Trees (42),Equipment Failure (30),Animal (16),No Specific Cause Found (16),Weather (11),Unique Incident (6),Forced Outage/Emergency (4),Trees - Outside ROW (2),Lightning (2),Bird (2),Public Damage (1),Public Tree Trimming (1)
BENNINGTON	2020	79	11,388	3,257	Equipment Failure (19),Trees (18),Unique Incident (10),Animal (9),Planned/Scheduled (6),No Specific Cause Found (6),Trees - Outside ROW (5),Weather (3),Lightning (2),Bird (1)
BENNINGTON	2021	78	4,953	1,659	Equipment Failure (21),Trees (15),Animal (12),Planned/Scheduled (7),Unique Incident (6),Trees - Outside ROW (6),No Specific Cause Found (5),Lightning (3),Weather (2),Bird (1)
BENNINGTON	2022	81	5,512	1,792	Equipment Failure (24),No Specific Cause Found (12),Animal (11),Unique Incident (10),Trees (8),Weather (6),Trees - Outside ROW (5),Lightning (4),Bird (1)
BENNINGTON	2023	84	12,830	1,756	Trees (21),Unique Incident (19),Equipment Failure (16),Animal (8),No Specific Cause Found (7),Weather (5),Trees - Outside ROW (3),Public Damage (3),Bird (1),Lightning (1)
BENNINGTON	2024	124	7,477	2,187	Trees (29),Unique Incident (24),No Specific Cause Found (22),Animal (17),Equipment Failure (14),Weather (8),Lightning (4),Trees - Outside ROW (2),Bird (2),Public Tree Trimming (1),Forced Outage/Emergency (1)
M.A.E.	2020	77	2,019	1,466	Planned/Scheduled (50),Animal (9),Equipment Failure (7),No Specific Cause Found (4),Trees (3),Forced Outage/Emergency (2),Unique Incident (1),Bird (1)
M.A.E.	2021	31	15,328	3,655	Animal (12),Trees (5),Planned/Scheduled (4),Equipment Failure (4),No Specific Cause Found (3),Forced Outage/Emergency (1),Public Tree Trimming (1),Lightning (1)
M.A.E.	2022	32	4,416	1,239	Animal (12),Equipment Failure (9),Weather (2),Lightning (2),No Specific Cause Found (2),Unique Incident (1),Public Tree Trimming (1),Car/Pole Accident (1),Trees - Outside ROW (1),Bird (1)
M.A.E.	2023	46	3,562	1,406	Animal (26),Trees (5),Equipment Failure (5),No Specific Cause Found (4),Weather (3),Unique Incident (2),Trees - Outside ROW (1)
M.A.E.	2024	41	10,371	2,728	No Specific Cause Found (12),Animal (9),Equipment Failure (7),Trees (5),Car/Pole Accident (3),Public Damage (3),Weather (1),Forced Outage/Emergency (1)
BROADMOOR	2020	29	12,413	3,072	Equipment Failure (12),Planned/Scheduled (8),Animal (2),Car/Pole Accident (2),Public Damage (2),Forced Outage/Emergency (1),No Specific Cause Found (1),Bird (1)
BROADMOOR	2021	35	17,364	5,688	Equipment Failure (16),Planned/Scheduled (7),Lightning (2),Weather (2),Car/Pole Accident (2),Public Damage (2),Animal (1),Bird (1),Unique Incident (1),Public Tree Trimming (1)
BROADMOOR	2022	32	9,416	5,307	Equipment Failure (22),Animal (4),No Specific Cause Found (3),Forced Outage/Emergency (1),Trees (1),Car/Pole Accident (1)
BROADMOOR	2023	21	5,105	2,214	Equipment Failure (10),Animal (3),Trees - Outside ROW (2),Forced Outage/Emergency (2),Car/Pole Accident (1),No Specific Cause Found (1),Weather (1),Public Damage (1)
BROADMOOR	2024	14	3,078	2,354	Equipment Failure (6),Unique Incident (3),Animal (3),Car/Pole Accident (1),No Specific Cause Found (1)
HOTCHKISS	2020	5	978	578	Planned/Scheduled (2),Forced Outage/Emergency (1),Animal (1),No Specific Cause Found (1)
HOTCHKISS	2021	13	412	208	Equipment Failure (5),Forced Outage/Emergency (5),Weather (2),No Specific Cause Found (1)
HOTCHKISS	2022	6	1,021	200	Equipment Failure (3),Unique Incident (1),No Specific Cause Found (1),Lightning (1)
HOTCHKISS	2023	3	2,826	216	Equipment Failure (3)
HOTCHKISS	2024	3	1,473	489	Animal (1),Trees (1),Equipment Failure (1)
CLYDE ROAD	2020	57	9,921	3,535	Equipment Failure (16),Trees (14),Planned/Scheduled (5),Animal (4),No Specific Cause Found (4),Unique Incident (3),Lightning (3),Car/Pole Accident (2),Trees - Outside ROW (2),Bird (2),Transmission/Generation (1),Weather (1)
CLYDE ROAD	2021	71	13,597	4,400	Trees (23),Equipment Failure (15),Animal (7),Weather (6),No Specific Cause Found (6),Car/Pole Accident (3),Planned/Scheduled (3),Unique Incident (3),Trees - Outside ROW (2),Public Damage (2),Bird (1)
CLYDE ROAD	2022	66	6,999	2,538	No Specific Cause Found (29),Trees (18),Animal (9),Equipment Failure (3),Car/Pole Accident (2),Unique Incident (2),Weather (1),Trees - Outside ROW (1),Bird (1)
CLYDE ROAD	2023	89	12,101	3,694	No Specific Cause Found (25),Trees (23),Weather (17),Animal (7),Equipment Failure (8),Unique Incident (3),Forced Outage/Emergency (2),Bird (1),Trees - Outside ROW (1)
CLYDE ROAD	2024	60	8,532	3,796	No Specific Cause Found (17),Equipment Failure (10),Weather (9),Trees - Outside ROW (7),Weather (4),Car/Pole Accident (1),Trees - Outside ROW (1),Public Damage (3),Forced Outage/Emergency (2),Transmission/Generation (1)
BALZER	2020	54	2,531	1,290	Equipment Failure (17),Planned/Scheduled (11),Trees (9),No Specific Cause Found (8),Animal (3),Weather (2),Car/Pole Accident (1),Trees - Outside ROW (1),Unique Incident (1),Transmission/Generation (1)
BALZER	2021	83	10,343	2,219	Trees (23),Equipment Failure (16),No Specific Cause Found (16),Planned/Scheduled (9),Unique Incident (6),Animal (3),Weather (3),Trees - Outside ROW (2),Public Damage (2),Bird (1),Lightning (1),Car/Pole Accident (1)
BALZER	2022	55	5,933	2,522	Trees (14),Equipment Failure (11),No Specific Cause Found (8),Weather (7),Animal (6),Trees - Outside ROW (2),Car/Pole Accident (2),Unique Incident (2),Bird (2),Lightning (1)
BALZER	2023	76	6,685	2,221	Equipment Failure (26),Trees (18),Animal (10),No Specific Cause Found (10),Car/Pole Accident (4),Weather (4),Unique Incident (2),Bird (1),Public Damage (1)
BALZER	2024	52	2,983	845	Trees (13),No Specific Cause Found (11),Lightning (6),Weather (6),Equipment Failure (5),Animal (4),Unique Incident (4),Trees - Outside ROW (2),Forced Outage/Emergency (1)
TWILIGHT	2020	30	2,441	850	Equipment Failure (7),Trees (7),Planned/Scheduled (6),Animal (3),Car/Pole Accident (2),Trees - Outside ROW (1),Lightning (1),Unique Incident (1),Public Damage (1),No Specific Cause Found (1)
TWILIGHT	2021	71	20,712	8,693	Trees (24),Weather (8),Unique Incident (8),Trees - Outside ROW (7),Equipment Failure (7),Public Damage (4),Planned/Scheduled (4),Animal (3),No Specific Cause Found (2),Car/Pole Accident (2),Bird (1),Forced Outage/Emergency (1)
TWILIGHT	2022	32	3,697	2,287	Trees (11),Equipment Failure (6),Animal (3),Weather (3),Lightning (2),Forced Outage/Emergency (2),No Specific Cause Found (1),Public Tree Trimming (1),Car/Pole Accident (1),Trees - Outside ROW (1),Public Damage (1)
TWILIGHT	2023	40	9,207	4,227	Trees (13),No Specific Cause Found (6),Forced Outage/Emergency (6),Animal (4),Equipment Failure (3),Unique Incident (3),Trees - Outside ROW (2),Weather (2),Car/Pole Accident (1)
TWILIGHT	2024	40	3,909	1,953	Trees (12),Equipment Failure (7),Animal (6),Trees - Outside ROW (4),Weather (4),No Specific Cause Found (3),Lightning (2),Forced Outage/Emergency (1),Unique Incident (1)
SANDERSON	2020	97	8,852	3,696	Equipment Failure (25),Planned/Scheduled (25),Trees (20),No Specific Cause Found (12),Animal (4),Trees - Outside ROW (2),Weather (2),Bird (1),Lightning (1),Forced Outage/Emergency (1),Transmission/Generation (1)
SANDERSON	2021	81	8,667	3,652	Trees (29),No Specific Cause Found (17),Equipment Failure (10),Planned/Scheduled (5),Weather (4),Trees - Outside ROW (4),Animal (3),Unique Incident (3),Forced Outage/Emergency (2),Car/Pole Accident (1),Lightning (1),Bird (1),Public Damage (1)
SANDERSON	2022	68	9,150	2,472	Trees (18),No Specific Cause Found (15),Equipment Failure (15),Animal (7),Lightning (3),Trees - Outside ROW (3),Bird (3),Public Damage (2),Weather (2)
SANDERSON	2023	78	8,196	3,007	Trees (29),No Specific Cause Found (17),Weather (14),Equipment Failure (13),Animal (4),Lightning (8),Unique Incident (1),Trees - Outside ROW (1),Public Damage (1),Transmission/Generation (1)
SANDERSON	2024	90	11,388	3,145	No Specific Cause Found (25),Trees (22),Equipment Failure (10),Trees - Outside ROW (9),Weather (8),Animal (5),Unique Incident (4),Forced Outage/Emergency (2),Public Damage (2),Car/Pole Accident (1),Bird (1)
PORTSMOUTH	2020	81	4,770	1,335	Weather (18),Equipment Failure (15),Planned/Scheduled (14),Trees (10),No Specific Cause Found (5),Animal (5),Unique Incident (4),Public Damage (3),Lightning (3),Bird (2),Forced Outage/Emergency (1),Public Tree Trimming (1)
PORTSMOUTH	2021	72	4,828	1,962	Equipment Failure (24),Trees (13),Weather (11),No Specific Cause Found (9),Planned/Scheduled (4),Unique Incident (4),Lightning (2),Public Damage (2),Animal (1),Forced Outage/Emergency (1),Transmission/Generation (1)
PORTSMOUTH	2022	58	13,890	2,992	Equipment Failure (21),Trees (13),No Specific Cause Found (8),Unique Incident (7),Weather (4),Lightning (3),Forced Outage/Emergency (1),Bird (1)
PORTSMOUTH	2023	55	3,216	1,018	Equipment Failure (15),Trees (12),Weather (10),No Specific Cause Found (6),Animal (5),Unique Incident (4),Lightning (1),Bird (1),Public Damage (1)
PORTSMOUTH	2024	47	834	337	Equipment Failure (17),No Specific Cause Found (10),Unique Incident (4),Animal (4),Trees (4),Lightning (3),Forced Outage/Emergency (3),Weather (2)
MILL GROVE	2020	125	10,457	4,463	Trees (33),No Specific Cause Found (32),Equipment Failure (17),Trees - Outside ROW (13),Planned/Scheduled (9),Weather (7),Animal (5),Lightning (5),Bird (2),Unique Incident (2)

MILL GROVE	2021	140	37,362	8,119 Trees (44),Trees - Outside ROW (19),No Specific Cause Found (19),Equipment Failure (18),Planned/Scheduled (9),Animal (8),Weather (7),Lightning (7),Unique Incident (6),Car/Pole Accident (2),Public Damage (1)
MILL GROVE	2022	105	43,183	10,994 No Specific Cause Found (30),Trees (17),Equipment Failure (13),Weather (12),Animal (12),Trees - Outside ROW (9),Unique Incident (3),Lightning (3),Forced Outage/Emergency (2),Public Damage (2),Bird (2)
MILL GROVE	2023	110	28,384	8,965 Trees (30),No Specific Cause Found (26),Equipment Failure (15),Animal (13),Trees - Outside ROW (11),Weather (10),Unique Incident (2),Lightning (1),Forced Outage/Emergency (1),Public Damage (1)
MILL GROVE	2024	194	35,196	8,341 Trees (69),No Specific Cause Found (45),Weather (27),Trees - Outside ROW (18),Animal (12),Equipment Failure (12),Unique Incident (4),Car/Pole Accident (3),Lightning (2),Bird (1),Public Damage (1)
WARNER	2020	175	20,602	6,613 Trees (63),Equipment Failure (24),No Specific Cause Found (24),Weather (15),Animal (15),Trees - Outside ROW (12),Planned/Scheduled (12),Lightning (5),Public Damage (2),Bird (1),Public Tree Trimming (1),Forced Outage/Emergency (1)
WARNER	2022	128	7,966	2,497 Trees (42),Planned/Scheduled (17),Equipment Failure (16),No Specific Cause Found (13),Weather (10),Animal (7),Trees - Outside ROW (6),Lightning (4),Unique Incident (4),Public Damage (4),Bird (3),Forced Outage/Emergency (1),Car/Pole Accident (1)
WARNER	2022	118	17,121	5,263 Trees (32),No Specific Cause Found (20),Equipment Failure (19),Animal (17),Trees - Outside ROW (9),Weather (8),Bird (8),Lightning (4),Public Damage (1),Unique Incident (1)
WARNER	2023	229	20,766	14,675 Unique Incident (72),Trees (55),No Specific Cause Found (26),Animal (24),Equipment Failure (23),Weather (12),Trees - Outside ROW (8),Bird (4),Public Damage (3),Lightning (2)
WARNER	2024	150	16,989	7,567 Trees (42),Animal (28),Trees - Outside ROW (23),Equipment Failure (21),No Specific Cause Found (16),Weather (7),Bird (4),Lightning (3),Unique Incident (3),Public Tree Trimming (1),Forced Outage/Emergency (1),Public Damage (1)
SIMMONS	2020	89	4,812	1,627 Trees (31),Equipment Failure (24),No Specific Cause Found (15),Trees - Outside ROW (6),Animal (3),Planned/Scheduled (3),Forced Outage/Emergency (2),Public Damage (2),Unique Incident (1),Weather (1),Lightning (1)
SIMMONS	2021	118	11,917	3,543 Trees (49),Equipment Failure (20),Weather (10),Animal (8),No Specific Cause Found (7),Trees - Outside ROW (6),Forced Outage/Emergency (5),Bird (3),Planned/Scheduled (3),Lightning (2),Car/Pole Accident (2),Unique Incident (2),Public Tree Trimming (1)
SIMMONS	2022	80	3,694	1,340 Trees (28),Equipment Failure (14),No Specific Cause Found (12),Trees - Outside ROW (7),Animal (6),Lightning (5),Unique Incident (3),Bird (2),Weather (2),Forced Outage/Emergency (1)
SIMMONS	2023	53	1,196	457 Trees (22),Equipment Failure (13),No Specific Cause Found (7),Animal (5),Bird (3),Lightning (2),Weather (1)
SIMMONS	2024	77	5,202	2,243 Trees (32),No Specific Cause Found (11),Equipment Failure (11),Animal (5),Lightning (3),Trees - Outside ROW (3),Unique Incident (3),Bird (3),Public Damage (2),Weather (2),Forced Outage/Emergency (1),Car/Pole Accident (1)
ALGER	2020	243	34,259	7,870 Trees (93),Equipment Failure (39),Animal (22),No Specific Cause Found (21),Trees - Outside ROW (17),Planned/Scheduled (15),Weather (13),Forced Outage/Emergency (9),Car/Pole Accident (4),Public Damage (4),Public Tree Trimming (3),Unique Incident (3)
ALGER	2021	225	41,857	13,659 Trees (93),Equipment Failure (28),No Specific Cause Found (20),Animal (14),Weather (12),Trees - Outside ROW (12),Planned/Scheduled (11),Forced Outage/Emergency (8),Car/Pole Accident (7),Lightning (5),Unique Incident (5),Bird (5),Transmission/Generation (2),Public Tree Trimming (2),Public Damage (1)
ALGER	2022	177	36,093	10,426 Trees (77),Equipment Failure (22),Weather (20),No Specific Cause Found (18),Trees - Outside ROW (13),Animal (9),Forced Outage/Emergency (7),Car/Pole Accident (5),Bird (3),Public Tree Trimming (1),Unique Incident (1),Lightning (1)
ALGER	2023	129	23,687	7,393 Trees (57),Equipment Failure (22),No Specific Cause Found (13),Trees - Outside ROW (11),Animal (6),Unique Incident (6),Forced Outage/Emergency (3),Weather (3),Lightning (3),Bird (2),Public Damage (1),Public Tree Trimming (1),Car/Pole Accident (1)
ALGER	2024	444	65,031	19,297 Trees (231),Weather (64),Trees - Outside ROW (38),No Specific Cause Found (37),Equipment Failure (25),Animal (16),Forced Outage/Emergency (14),Unique Incident (6),Bird (4),Public Damage (4),Car/Pole Accident (3),Lightning (2)
SILVER LAKE	2020	120	10,480	1,626 Equipment Failure (37),Animal (25),Trees (21),Planned/Scheduled (15),No Specific Cause Found (8),Forced Outage/Emergency (5),Unique Incident (3),Public Damage (3),Trees - Outside ROW (4),Lightning (1)
SILVER LAKE	2021	100	9,036	2,878 Trees (24),Equipment Failure (21),Animal (17),Trees - Outside ROW (14),No Specific Cause Found (8),Planned/Scheduled (6),Unique Incident (6),Weather (3),Car/Pole Accident (1),Lightning (1)
SILVER LAKE	2022	105	9,755	2,840 Trees (38),Equipment Failure (19),Animal (10),Weather (10),No Specific Cause Found (10),Public Damage (9),Unique Incident (6),Trees - Outside ROW (3)
SILVER LAKE	2023	90	9,904	2,206 Equipment Failure (20),Trees (19),Animal (17),No Specific Cause Found (11),Lightning (7),Weather (5),Trees - Outside ROW (5),Car/Pole Accident (4),Public Damage (1),Unique Incident (1)
SILVER LAKE	2024	80	8,025	3,502 Equipment Failure (23),No Specific Cause Found (17),Animal (13),Trees (13),Trees - Outside ROW (6),Public Damage (4),Weather (1),Public Tree Trimming (1),Lightning (1),Unique Incident (1)
BACKUS	2020	184	38,172	11,078 Trees (58),Equipment Failure (45),Planned/Scheduled (21),No Specific Cause Found (15),Trees - Outside ROW (13),Animal (13),Forced Outage/Emergency (6),Weather (5),Lightning (4),Unique Incident (3),Public Tree Trimming (1)
BACKUS	2021	144	27,649	6,689 Trees (35),Equipment Failure (28),Animal (23),Planned/Scheduled (17),No Specific Cause Found (15),Weather (6),Trees - Outside ROW (5),Unique Incident (5),Forced Outage/Emergency (3),Lightning (3),Public Damage (2),Bird (1),Public Tree Trimming (1)
BACKUS	2022	120	39,064	12,738 Trees (34),Equipment Failure (29),No Specific Cause Found (19),Animal (15),Weather (7),Trees - Outside ROW (5),Unique Incident (2),Car/Pole Accident (2),Public Damage (2),Bird (1),Forced Outage/Emergency (1)
BACKUS	2023	94	22,800	10,735 Equipment Failure (25),Trees (22),No Specific Cause Found (14),Animal (12),Unique Incident (5),Lightning (4),Forced Outage/Emergency (3),Bird (2),Trees - Outside ROW (2),Weather (2),Public Damage (2),Car/Pole Accident (1)
BACKUS	2024	160	35,465	15,862 Animal (38),No Specific Cause Found (33),Trees (32),Equipment Failure (21),Weather (10),Forced Outage/Emergency (8),Trees - Outside ROW (7),Lightning (3),Car/Pole Accident (3),Public Damage (2),Unique Incident (2),Transmission/Generation (1)
HACKETT	2020	28	4,654	2,349 Planned/Scheduled (9),Equipment Failure (6),Forced Outage/Emergency (3),Transmission/Generation (2),Animal (2),Lightning (1),Car/Pole Accident (1),Weather (1),Trees (1),No Specific Cause Found (1),Unique Incident (1)
HACKETT	2021	33	6,559	3,254 Trees (9),Equipment Failure (7),Planned/Scheduled (4),Lightning (3),Unique Incident (3),Animal (3),Weather (2),Forced Outage/Emergency (1),No Specific Cause Found (1)
HACKETT	2022	15	1,844	707 Trees (3),Unique Incident (3),Animal (2),Forced Outage/Emergency (2),Bird (2),Equipment Failure (2),No Specific Cause Found (1)
HACKETT	2023	24	1,927	993 Equipment Failure (8),No Specific Cause Found (5),Unique Incident (4),Weather (3),Car/Pole Accident (1),Animal (1),Lightning (1),Trees (1)
HACKETT	2024	22	944	186 Equipment Failure (7),No Specific Cause Found (6),Trees (3),Weather (3),Animal (2),Unique Incident (1)
IRISH ROAD	2020	79	16,232	7,003 Equipment Failure (17),No Specific Cause Found (13),Trees (13),Animal (12),Planned/Scheduled (10),Forced Outage/Emergency (6),Weather (3),Lightning (2),Car/Pole Accident (1),Unique Incident (1),Bird (1)
IRISH ROAD	2021	104	16,269	4,732 Equipment Failure (28),Animal (18),Weather (11),Trees (11),No Specific Cause Found (9),Planned/Scheduled (9),Forced Outage/Emergency (7),Unique Incident (4),Bird (4),Car/Pole Accident (2),Trees - Outside ROW (1)
IRISH ROAD	2022	91	15,800	4,925 Equipment Failure (21),Animal (14),Trees (13),Weather (11),No Specific Cause Found (11),Unique Incident (10),Bird (5),Forced Outage/Emergency (3),Lightning (1),Trees - Outside ROW (1),Car/Pole Accident (1)
IRISH ROAD	2023	80	14,686	2,578 Equipment Failure (19),Trees (18),Weather (13),No Specific Cause Found (9),Unique Incident (5),Animal (4),Car/Pole Accident (3),Forced Outage/Emergency (3),Lightning (3),Bird (2),Public Damage (1)
IRISH ROAD	2024	114	17,300	3,512 Trees (27),Equipment Failure (26),No Specific Cause Found (22),Weather (11),Animal (9),Forced Outage/Emergency (8),Unique Incident (4),Bird (4),Car/Pole Accident (2),Trees - Outside ROW (1)
GEDDES	2020	17	605	202 Trees (9),Planned/Scheduled (2),Equipment Failure (2),No Specific Cause Found (1),Forced Outage/Emergency (1),Weather (1),Car/Pole Accident (1)
GEDDES	2021	7	738	323 Planned/Scheduled (4),Trees (3)
GEDDES	2022	8	301	118 Animal (3),Weather (1),Forced Outage/Emergency (1),Trees (1),Unique Incident (1),Equipment Failure (1)
GEDDES	2023	8	1,201	685 Equipment Failure (5),Trees - Outside ROW (2),Trees (1)
GEDDES	2024	7	149	113 No Specific Cause Found (2),Weather (2),Public Damage (1),Equipment Failure (1),Animal (1)
CLARE	2020	82	5,400	3,323 Equipment Failure (22),Trees (13),No Specific Cause Found (13),Animal (6),Unique Incident (6),Planned/Scheduled (6),Forced Outage/Emergency (4),Lightning (3),Weather (3),Car/Pole Accident (2),Trees - Outside ROW (2),Bird (2)
CLARE	2021	63	33,835	6,384 Equipment Failure (16),Planned/Scheduled (14),Trees (9),No Specific Cause Found (5),Unique Incident (4),Lightning (4),Weather (4),Animal (4),Public Damage (1),Car/Pole Accident (1),Trees - Outside ROW (1)
CLARE	2022	58	3,522	1,173 Equipment Failure (17),No Specific Cause Found (12),Trees (11),Weather (5),Lightning (4),Unique Incident (3),Animal (3),Public Tree Trimming (1),Trees - Outside ROW (1),Public Damage (1)
CLARE	2023	52	8,517	3,701 Equipment Failure (13),No Specific Cause Found (10),Trees (6),Trees - Outside ROW (5),Car/Pole Accident (4),Animal (4),Forced Outage/Emergency (3),Weather (3),Bird (2),Lightning (1),Unique Incident (1)
CLARE	2024	68	6,751	1,704 Trees (15),No Specific Cause Found (15),Equipment Failure (12),Animal (9),Weather (9),Car/Pole Accident (5),Unique Incident (3),Forced Outage/Emergency (1),Lightning (1),Bird (1)
NOBLE	2020	47	14,364	5,970 Trees (19),Equipment Failure (12),Trees - Outside ROW (3),Forced Outage/Emergency (3),No Specific Cause Found (3),Unique Incident (2),Planned/Scheduled (2),Weather (2),Animal (1)
NOBLE	2021	61	18,399	3,135 Trees (20),Equipment Failure (10),Trees - Outside ROW (10),Planned/Scheduled (10),Weather (4),No Specific Cause Found (3),Animal (1),Lightning (1),Unique Incident (1),Bird (1)
NOBLE	2022	39	15,801	4,700 Trees (14),Weather (7),No Specific Cause Found (6),Equipment Failure (5),Unique Incident (4),Trees - Outside ROW (2),Forced Outage/Emergency (1)
NOBLE	2023	38	38,992	3,626 Equipment Failure (9),Trees - Outside ROW (6),Unique Incident (5),Weather (5),Trees (4),Animal (3),Lightning (3),No Specific Cause Found (3)
NOBLE	2024	36	11,250	2,098 Equipment Failure (10),Trees (9),Weather (3),Unique Incident (3),Forced Outage/Emergency (3),No Specific Cause Found (3),Trees - Outside ROW (2),Public Damage (1),Lightning (1),Bird (1)
DORR CORNERS	2020	46	12,188	2,615 Trees (13),Weather (7),Equipment Failure (6),No Specific Cause Found (5),Planned/Scheduled (5),Animal (4),Car/Pole Accident (2),Lightning (2),Trees - Outside ROW (1),Public Damage (1)
DORR CORNERS	2021	62	4,904	1,342 Trees (32),Equipment Failure (11),Planned/Scheduled (8),Weather (7),No Specific Cause Found (1),Animal (1),Car/Pole Accident (1),Unique Incident (1)
DORR CORNERS	2022	47	3,056	2,293 Trees (9),No Specific Cause Found (8),Equipment Failure (6),Animal (6),Weather (4),Unique Incident (4),Forced Outage/Emergency (3),Car/Pole Accident (2),Lightning (2),Trees - Outside ROW (1),Public Damage (1),Bird (1)
DORR CORNERS	2023	42	7,745	2,540 Trees (14),Equipment Failure (8),No Specific Cause Found (6),Animal (4),Weather (4),Car/Pole Accident (1),Lightning (1),Trees - Outside ROW (1),Unique Incident (1),Public Damage (1),Bird (1)
DORR CORNERS	2024	39	1,484	592 Trees (10),Equipment Failure (8),No Specific Cause Found (7),Weather (5),Animal (3),Forced Outage/Emergency (3),Unique Incident (1),Lightning (1),Car/Pole Accident (1)
MEDICAL PARK	2020	9	385	208 Public Damage (5),No Specific Cause Found (2),Unique Incident (1),Equipment Failure (1)
MEDICAL PARK	2021	12	1,740	2,609 Equipment Failure (5),Bird (2),Animal (2),Forced Outage/Emergency (2),No Specific Cause Found (1)
MEDICAL PARK	2022	22	4,993	4,735 Weather (6),Trees - Outside ROW (5),Animal (3),Trees (3),Car/Pole Accident (1),Equipment Failure (1),Public Damage (1),Unique Incident (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
MEDICAL PARK	2023	3	4,823	2,201 Forced Outage/Emergency (1),Animal (1),No Specific Cause Found (1)
MEDICAL PARK	2024	9	531	104 Animal (3),No Specific Cause Found (2),Equipment Failure (2),Public Damage (1),Forced Outage/Emergency (1)
MARKER LAKE	2020	31	1,985	491 Equipment Failure (12),Trees (8),No Specific Cause Found (5),Animal (2),Lightning (2),Weather (1),Unique Incident (1)
MARKER LAKE	2021	48	3,896	1,219 Equipment Failure (19),Trees (15),No Specific Cause Found (9),Weather (2),Car/Pole Accident (2),Unique Incident (1)
MARKER LAKE	2022	44	818	426 Equipment Failure (11),Trees (11),No Specific Cause Found (8),Animal (7),Unique Incident (4),Forced Outage/Emergency (1),Public Damage (1),Weather (1)
MARKER LAKE	2023	74	12,410	2,767 Weather (21),Trees (19),Equipment Failure (10),No Specific Cause Found (8),Unique Incident (6),Animal (5),Trees - Outside ROW (3),Bird (2)
MARKER LAKE	2024	51	1,452	575 No Specific Cause Found (21),Trees (14),Equipment Failure (8),Trees - Outside ROW (3),Weather (2),Public Damage (1),Unique Incident (1),Animal (1)
VAN ATTA	2020	32	7,865	1,730 Equipment Failure (13),Animal (5),Trees (4),Planned/Scheduled (3),Car/Pole Accident (2),Unique Incident (1),No Specific Cause Found (1),Public Damage (1),Trees - Outside ROW (1),Weather (1)
VAN ATTA	2021	36	6,008	2,144 Trees (11),Equipment Failure (10),Planned/Scheduled (8),Weather (4),Trees - Outside ROW (1),Lightning (1),No Specific Cause Found (1)
VAN ATTA	2022	15	4,370	681 Equipment Failure (7),Trees (3),Trees - Outside ROW (1),Unique Incident (1),Weather (1),No Specific Cause Found (1),Bird (1)
VAN ATTA	2023	45	10,444	2,821 Trees (14),Equipment Failure (10),No Specific Cause Found (8),Animal (5),Weather (4),Forced Outage/Emergency (2),Unique Incident (1),Trees - Outside ROW (1)
VAN ATTA	2024	26	1,292	577 Trees (9),No Specific Cause Found (6),Animal (3),Equipment Failure (3),Weather (2),Forced Outage/Emergency (2),Trees - Outside ROW (1)
JAMES SAVAGE	2020	21	603	251 Equipment Failure (6),Planned/Scheduled (5),Trees (4),Weather (2),Forced Outage/Emergency (1),Transmission/Generation (1),Unique Incident (1),No Specific Cause Found (1)
JAMES SAVAGE	2021	16	5,105	1,116 Trees (4),Unique Incident (4),Planned/Scheduled (3),Equipment Failure (3),Weather (1),Forced Outage/Emergency (1)
JAMES SAVAGE	2022	24	3,541	1,760 Trees (7),Equipment Failure (5),Transmission/Generation (4),Weather (3),Forced Outage/Emergency (2),Unique Incident (1),No Specific Cause Found (1),Car/Pole Accident (1)
JAMES SAVAGE	2023	6	349	156 Trees (2),Equipment Failure (2),No Specific Cause Found (1),Forced Outage/Emergency (1)
JAMES SAVAGE	2024	13	376	115 Equipment Failure (3),Unique Incident (2),Car/Pole Accident (1),Trees (1),No Specific Cause Found (1),Forced Outage/Emergency (1)
DUFFIELD	2020	137	20,516	6,253 Trees (32),Animal (19),Equipment Failure (18),No Specific Cause Found (15),Weather (15),Planned/Scheduled (11),Trees - Outside ROW (10),Unique Incident (4),Bird (4),Lightning (3),Forced Outage/Emergency (3),Public Damage (2),Public Tree Trimming (1)
DUFFIELD	2021	126	26,189	3,309 Trees (46),Equipment Failure (22),Weather (18),No Specific Cause Found (12),Animal (10),Planned/Scheduled (5),Car/Pole Accident (4),Forced Outage/Emergency (3),Bird (2),Public Damage (1),Unique Incident (1),Trees - Outside ROW (1),Lightning (1)
DUFFIELD	2022	87	7,140	2,856 Animal (19),Trees (17),Equipment Failure (16),No Specific Cause Found (15),Weather (10),Bird (4),Lightning (3),Public Damage (1),Car/Pole Accident (1),Unique Incident (1)
DUFFIELD	2023	99	4,036	1,174 Equipment Failure (23),Trees (22),Animal (19),No Specific Cause Found (15),Weather (8),Bird (7),Lightning (2),Unique Incident (2),Forced Outage/Emergency (1)

DUFFIELD	2024	89	3,598	872	Trees (22),No Specific Cause Found (14),Equipment Failure (14),Animal (14),Weather (10),Unique Incident (8),Forced Outage/Emergency (3),Bird (2),Car/Pole Accident (1),Trees - Outside ROW (1)
ARTHUR	2020	71	3,281	1,530	Trees (18),Equipment Failure (16),Animal (11),Planned/Scheduled (9),Trees - Outside ROW (7),Weather (3),No Specific Cause Found (3),Lightning (2),Forced Outage/Emergency (1),Public Damage (1)
ARTHUR	2021	57	2,803	1,231	Trees (17),Equipment Failure (17),No Specific Cause Found (5),Animal (5),Weather (3),Trees - Outside ROW (2),Unique Incident (2),Lightning (2),Car/Pole Accident (1),Public Damage (1),Planned/Scheduled (1),Bird (1)
ARTHUR	2022	51	2,668	320	Equipment Failure (17),Animal (10),Weather (9),Trees (5),No Specific Cause Found (5),Lightning (2),Trees - Outside ROW (2),Unique Incident (1)
ARTHUR	2023	50	2,380	784	Equipment Failure (13),Animal (11),Trees (8),No Specific Cause Found (6),Trees - Outside ROW (3),Weather (3),Car/Pole Accident (2),Bird (2),Forced Outage/Emergency (1),Lightning (1)
ARTHUR	2024	86	5,969	3,061	Trees (21),Equipment Failure (15),Animal (14),No Specific Cause Found (11),Forced Outage/Emergency (6),Trees - Outside ROW (4),Lightning (4),Weather (4),Bird (3),Car/Pole Accident (2),Public Damage (1),Public Tree Trimming (1)
TITUS LAKE	2020	40	6,328	1,183	Equipment Failure (16),No Specific Cause Found (6),Planned/Scheduled (5),Trees (5),Trees - Outside ROW (3),Transmission/Generation (2),Animal (2),Weather (1)
TITUS LAKE	2021	36	4,450	1,611	Trees (8),No Specific Cause Found (5),Trees - Outside ROW (4),Planned/Scheduled (3),Lightning (2),Forced Outage/Emergency (2),Equipment Failure (2),Transmission/Generation (2),Weather (2),Public Damage (2),Car/Pole Accident (1),Animal (1),Bird (1),Unique Incident (1)
TITUS LAKE	2022	35	1,891	898	Transmission/Generation (8),Equipment Failure (6),Trees (5),No Specific Cause Found (5),Weather (4),Public Damage (3),Trees - Outside ROW (3),Car/Pole Accident (1)
TITUS LAKE	2023	23	618	247	Trees (7),No Specific Cause Found (6),Lightning (4),Equipment Failure (3),Public Damage (2),Bird (1)
TITUS LAKE	2024	27	3,448	767	Trees (9),Weather (6),No Specific Cause Found (6),Equipment Failure (2),Animal (1),Bird (1),Trees - Outside ROW (1),Forced Outage/Emergency (1)
MANNISDING	2020	75	5,762	1,465	Trees (24),Equipment Failure (12),Weather (10),Planned/Scheduled (8),No Specific Cause Found (7),Forced Outage/Emergency (4),Unique Incident (4),Trees - Outside ROW (4),Car/Pole Accident (1),Animal (1)
MANNISDING	2021	70	7,578	4,454	Trees (23),Equipment Failure (14),No Specific Cause Found (7),Planned/Scheduled (6),Unique Incident (6),Weather (5),Trees - Outside ROW (3),Forced Outage/Emergency (2),Public Damage (1),Bird (1),Car/Pole Accident (1),Animal (1)
MANNISDING	2022	55	7,640	2,177	Trees (18),Equipment Failure (12),Trees - Outside ROW (7),No Specific Cause Found (5),Unique Incident (5),Weather (3),Forced Outage/Emergency (2),Public Damage (2),Animal (1)
MANNISDING	2023	97	16,647	6,272	Weather (46),Trees (28),Trees - Outside ROW (6),No Specific Cause Found (6),Equipment Failure (4),Public Damage (2),Unique Incident (2),Lightning (2),Animal (1)
MANNISDING	2024	90	39,874	6,421	Trees (33),Weather (20),Trees - Outside ROW (9),Equipment Failure (8),No Specific Cause Found (7),Unique Incident (6),Forced Outage/Emergency (3),Animal (3),Lightning (1)
CRAHEN	2020	24	1,021	516	Animal (8),Planned/Scheduled (4),Equipment Failure (4),Public Damage (3),Trees (2),Weather (1),No Specific Cause Found (1),Unique Incident (1)
CRAHEN	2021	13	1,237	346	Trees (4),Weather (3),Equipment Failure (1),Trees - Outside ROW (1),Animal (1),No Specific Cause Found (1),Planned/Scheduled (1),Unique Incident (1)
CRAHEN	2022	14	472	279	Equipment Failure (7),Weather (4),Trees (2),Animal (1)
CRAHEN	2023	20	547	225	Animal (6),Weather (5),Equipment Failure (5),Trees (2),Forced Outage/Emergency (2)
CRAHEN	2024	21	3,715	1,503	Equipment Failure (6),Animal (6),Forced Outage/Emergency (2),Transmission/Generation (2),Public Damage (2),Unique Incident (1),Trees - Outside ROW (1),Weather (1)
DEER LAKE	2020	72	18,298	5,905	Trees (26),Planned/Scheduled (12),Equipment Failure (9),Weather (6),Forced Outage/Emergency (6),Trees - Outside ROW (5),Animal (3),No Specific Cause Found (2),Public Damage (1),Car/Pole Accident (1),Unique Incident (1)
DEER LAKE	2021	72	27,382	5,064	Trees (37),Equipment Failure (10),Trees - Outside ROW (9),Planned/Scheduled (5),Weather (4),No Specific Cause Found (2),Unique Incident (2),Animal (1),Car/Pole Accident (1),Lightning (1)
DEER LAKE	2022	43	4,396	1,525	Trees (16),Trees - Outside ROW (11),Equipment Failure (7),Public Damage (2),Public Tree Trimming (2),Weather (2),No Specific Cause Found (1),Forced Outage/Emergency (1),Unique Incident (1)
DEER LAKE	2023	49	11,289	3,425	Trees (20),Trees - Outside ROW (11),No Specific Cause Found (8),Equipment Failure (6),Unique Incident (3),Weather (1)
DEER LAKE	2024	66	6,178	2,283	Trees (24),Equipment Failure (10),Trees - Outside ROW (8),Weather (8),Forced Outage/Emergency (8),Animal (3),Unique Incident (2),Public Damage (1),Bird (1),No Specific Cause Found (1)
PACKARD	2020	14	1,527	993	Animal (3),Trees (3),Equipment Failure (3),Weather (2),Planned/Scheduled (1),Car/Pole Accident (1),No Specific Cause Found (1)
PACKARD	2021	8	4,989	891	Planned/Scheduled (2),Trees (2),Animal (1),No Specific Cause Found (1),Equipment Failure (1),Trees - Outside ROW (1)
PACKARD	2022	8	2,978	1,424	Equipment Failure (4),No Specific Cause Found (2),Trees (1),Car/Pole Accident (1)
PACKARD	2023	3	1,495	660	Equipment Failure (2),No Specific Cause Found (1)
PACKARD	2024	6	426	139	Animal (3),Trees (2),Equipment Failure (1)
CHEESMAN	2020	10	164	48	Planned/Scheduled (4),Equipment Failure (2),Public Damage (1),No Specific Cause Found (1),Lightning (1),Trees (1)
CHEESMAN	2021	8	310	199	Planned/Scheduled (4),Weather (1),Trees (1),Lightning (1),Equipment Failure (1)
CHEESMAN	2022	6	2,070	583	Equipment Failure (6),Animal (1),Weather (1),Unique Incident (1)
CHEESMAN	2023	6	347	214	Equipment Failure (3),Lightning (1),Animal (1),Unique Incident (1)
CHEESMAN	2024	4	39	24	Equipment Failure (2),Trees (1),Animal (1)
HUCKLEBERRY	2022	6	22	8	No Specific Cause Found (2),Equipment Failure (2),Animal (1),Trees (1)
HUCKLEBERRY	2023	13	269	314	Trees (3),Equipment Failure (2),Forced Outage/Emergency (2),No Specific Cause Found (2),Unique Incident (1),Car/Pole Accident (1),Animal (1),Bird (1)
HUCKLEBERRY	2024	17	366	176	Trees (7),Animal (4),Public Damage (2),No Specific Cause Found (2),Trees - Outside ROW (1),Equipment Failure (1)
ELEVENTH STREET	2020	54	6,386	1,991	Trees (20),Equipment Failure (13),Animal (5),No Specific Cause Found (5),Planned/Scheduled (3),Lightning (3),Unique Incident (2),Public Damage (1),Trees - Outside ROW (1),Weather (1)
ELEVENTH STREET	2021	62	5,986	2,001	Equipment Failure (20),Trees (16),Weather (8),Lightning (6),Animal (5),Unique Incident (3),No Specific Cause Found (3),Planned/Scheduled (1)
ELEVENTH STREET	2022	64	4,564	2,023	Equipment Failure (15),Trees (14),Animal (11),No Specific Cause Found (8),Lightning (5),Weather (4),Trees - Outside ROW (3),Unique Incident (2),Forced Outage/Emergency (1),Public Damage (1)
ELEVENTH STREET	2023	63	2,907	1,630	Trees (20),Equipment Failure (20),Animal (11),No Specific Cause Found (5),Trees - Outside ROW (4),Weather (2),Public Damage (1)
ELEVENTH STREET	2024	61	6,107	1,678	Equipment Failure (19),Trees (17),Trees - Outside ROW (8),Animal (7),Unique Incident (3),Lightning (3),No Specific Cause Found (3),Weather (1)
CLEAR LAKE	2020	68	11,618	818	Equipment Failure (18),Trees (15),Weather (10),No Specific Cause Found (9),Planned/Scheduled (7),Animal (3),Lightning (3),Trees - Outside ROW (2),Unique Incident (1)
CLEAR LAKE	2021	53	4,511	1,593	Trees (19),No Specific Cause Found (7),Equipment Failure (7),Planned/Scheduled (6),Trees - Outside ROW (5),Animal (2),Weather (2),Unique Incident (2),Bird (1),Forced Outage/Emergency (1),Public Damage (1)
CLEAR LAKE	2022	67	4,089	1,197	Trees (23),No Specific Cause Found (10),Equipment Failure (9),Weather (9),Animal (5),Lightning (5),Unique Incident (3),Trees - Outside ROW (2),Bird (1)
CLEAR LAKE	2023	80	7,533	2,191	Trees (25),Equipment Failure (14),No Specific Cause Found (12),Weather (11),Animal (11),Trees - Outside ROW (2),Bird (2),Public Damage (2),Unique Incident (1)
CLEAR LAKE	2024	56	8,494	2,118	Trees (17),No Specific Cause Found (11),Equipment Failure (8),Animal (8),Unique Incident (4),Forced Outage/Emergency (3),Trees - Outside ROW (2),Weather (2),Bird (1)
BRYE ROAD	2020	16	2,201	789	No Specific Cause Found (4),Equipment Failure (4),Animal (3),Trees (2),Forced Outage/Emergency (1),Planned/Scheduled (1),Public Damage (1)
BRYE ROAD	2021	16	2,286	563	Equipment Failure (5),No Specific Cause Found (4),Planned/Scheduled (2),Animal (2),Weather (1),Trees (1),Bird (1)
BRYE ROAD	2022	21	1,465	637	Equipment Failure (8),Animal (3),Weather (3),Trees (2),Trees - Outside ROW (1),Lightning (1),Public Damage (1),No Specific Cause Found (1),Unique Incident (1)
BRYE ROAD	2023	28	1,387	1,246	Car/Pole Accident (8),Animal (5),Equipment Failure (4),No Specific Cause Found (4),Weather (2),Trees (2),Trees - Outside ROW (1),Unique Incident (1),Lightning (1)
BRYE ROAD	2024	14	1,766	978	Equipment Failure (5),Weather (2),Trees (2),Unique Incident (2),Animal (2),Trees - Outside ROW (1)
WEST FENTON	2020	34	972	468	Equipment Failure (13),Planned/Scheduled (7),Forced Outage/Emergency (4),Trees (4),Trees - Outside ROW (2),No Specific Cause Found (1),Public Damage (1),Public Tree Trimming (1),Unique Incident (1)
WEST FENTON	2021	46	11,702	2,023	Equipment Failure (12),Trees (11),Weather (10),Planned/Scheduled (4),Unique Incident (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Public Damage (1)
WEST FENTON	2022	26	20,958	6,883	Weather (8),No Specific Cause Found (8),Trees (6),Equipment Failure (2),Forced Outage/Emergency (1),Unique Incident (1)
WEST FENTON	2023	15	560	110	Trees (4),Equipment Failure (4),Unique Incident (3),Animal (1),Forced Outage/Emergency (1),No Specific Cause Found (1),Public Damage (1)
WEST FENTON	2024	27	3,033	880	Equipment Failure (10),Forced Outage/Emergency (6),Trees (4),Unique Incident (2),No Specific Cause Found (1),Public Tree Trimming (1),Public Damage (1),Trees - Outside ROW (1),Car/Pole Accident (1)
ZYLMAN	2020	4	365	488	Equipment Failure (6),No Specific Cause Found (1)
ZYLMAN	2021	18	5,486	2,406	Equipment Failure (6),Car/Pole Accident (5),Trees (3),Unique Incident (2),Animal (1),No Specific Cause Found (1)
ZYLMAN	2022	7	225	65	Equipment Failure (5),Trees (1),Animal (1)
ZYLMAN	2023	13	1,774	839	Weather (4),Car/Pole Accident (3),Trees (2),Equipment Failure (2),Unique Incident (1),No Specific Cause Found (1)
ZYLMAN	2024	10	1,582	581	No Specific Cause Found (2),Equipment Failure (2),Animal (2),Unique Incident (1),Trees - Outside ROW (1),Lightning (1)
WITHEY LAKE	2020	92	15,318	3,734	Trees (31),Equipment Failure (19),No Specific Cause Found (9),Unique Incident (7),Forced Outage/Emergency (6),Planned/Scheduled (6),Trees - Outside ROW (5),Animal (3),Weather (3),Lightning (2),Public Damage (1)
WITHEY LAKE	2021	89	18,328	4,750	Trees (35),Equipment Failure (16),Trees - Outside ROW (8),No Specific Cause Found (6),Weather (5),Unique Incident (4),Transmission/Generation (3),Animal (3),Forced Outage/Emergency (3),Lightning (2),Planned/Scheduled (2),Public Damage (1),Car/Pole Accident (1)
WITHEY LAKE	2022	64	12,794	5,793	Trees (24),Equipment Failure (13),No Specific Cause Found (11),Animal (4),Trees - Outside ROW (4),Unique Incident (4),Public Damage (2),Weather (1),Bird (1)
WITHEY LAKE	2023	60	9,527	4,150	Trees (19),Unique Incident (15),Equipment Failure (14),No Specific Cause Found (5),Animal (2),Lightning (2),Forced Outage/Emergency (1),Trees - Outside ROW (1),Bird (1)
WITHEY LAKE	2024	66	4,051	1,961	Trees (35),Equipment Failure (8),Animal (7),Weather (6),No Specific Cause Found (4),Trees - Outside ROW (2),Forced Outage/Emergency (2),Lightning (1),Public Damage (1)
MISSION	2020	8	2,801	540	Planned/Scheduled (4),Equipment Failure (3),Unique Incident (1)
MISSION	2021	6	233	111	Equipment Failure (4),Public Damage (1),Forced Outage/Emergency (1)
MISSION	2022	3	100	20	Trees (1),Equipment Failure (1),No Specific Cause Found (1)
MISSION	2023	9	204	54	Equipment Failure (4),Unique Incident (3),Animal (1),No Specific Cause Found (1)
MISSION	2024	5	5,148	1,884	Equipment Failure (4),Public Damage (1)
EAST JACKSON	2020	62	5,246	3,921	Planned/Scheduled (29),Equipment Failure (16),Trees (7),No Specific Cause Found (3),Weather (2),Trees - Outside ROW (2),Car/Pole Accident (1),Animal (1),Forced Outage/Emergency (1)
EAST JACKSON	2021	80	5,399	3,213	Planned/Scheduled (31),No Specific Cause Found (16),Trees (11),Equipment Failure (9),Weather (5),Lightning (3),Forced Outage/Emergency (2),Unique Incident (1),Car/Pole Accident (1),Trees - Outside ROW (1)
EAST JACKSON	2022	43	10,064	2,268	Trees (10),Weather (9),No Specific Cause Found (8),Animal (5),Car/Pole Accident (4),Equipment Failure (4),Unique Incident (2),Trees - Outside ROW (1),Public Damage (1)
EAST JACKSON	2023	51	5,943	2,408	Weather (14),Trees (14),Equipment Failure (9),No Specific Cause Found (6),Unique Incident (3),Animal (2),Trees - Outside ROW (1),Car/Pole Accident (1),Forced Outage/Emergency (1)
EAST JACKSON	2024	41	5,551	2,002	Trees (16),No Specific Cause Found (7),Equipment Failure (5),Weather (4),Animal (3),Trees - Outside ROW (2),Car/Pole Accident (2),Forced Outage/Emergency (2)
GIRARD	2020	70	3,376	957	Trees (24),Equipment Failure (20),Trees - Outside ROW (7),Weather (5),No Specific Cause Found (4),Car/Pole Accident (3),Lightning (2),Unique Incident (2),Animal (1),Public Damage (1),Public Tree Trimming (1)
GIRARD	2021	80	13,444	2,371	Trees (32),Equipment Failure (11),Trees - Outside ROW (11),Planned/Scheduled (6),Weather (5),Unique Incident (5),Lightning (5),Bird (2),Public Tree Trimming (1),Forced Outage/Emergency (1),No Specific Cause Found (1)
GIRARD	2022	48	2,472	1,550	Equipment Failure (21),Trees (6),Lightning (5),Weather (5),Unique Incident (3),Animal (2),Trees - Outside ROW (2),Bird (2),No Specific Cause Found (2)
GIRARD	2023	36	9,201	1,317	Weather (9),Equipment Failure (9),Trees - Outside ROW (5),Trees (5),No Specific Cause Found (5),Unique Incident (2),Forced Outage/Emergency (1)

GIRARD	2024	27	983	210 No Specific Cause Found (7),Trees (5),Weather (5),Equipment Failure (4),Trees - Outside ROW (2),Unique Incident (2),Bird (2)
WINGATE	2020	28	364	246 Trees (8),Equipment Failure (5),Planned/Scheduled (3),Unique Incident (3),No Specific Cause Found (3),Weather (2),Animal (1),Car/Pole Accident (1),Lightning (1),Bird (1)
WINGATE	2021	31	928	349 Equipment Failure (10),Trees (10),No Specific Cause Found (3),Bird (2),Trees - Outside ROW (2),Lightning (1),Planned/Scheduled (1),Weather (1),Unique Incident (1)
WINGATE	2022	27	1,329	266 Equipment Failure (9),Trees (6),No Specific Cause Found (5),Unique Incident (3),Lightning (1),Animal (1),Public Damage (1),Weather (1)
WINGATE	2023	26	486	83 Equipment Failure (7),Trees (6),Weather (6),No Specific Cause Found (3),Bird (1),Unique Incident (1),Trees - Outside ROW (1),Car/Pole Accident (1)
WINGATE	2024	25	1,461	376 Equipment Failure (8),No Specific Cause Found (7),Weather (4),Trees (3),Bird (1),Lightning (1),Animal (1)
BALCOM	2020	34	3,897	899 Equipment Failure (11),Trees (9),Weather (4),Trees - Outside ROW (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Planned/Scheduled (1),Car/Pole Accident (1)
BALCOM	2021	76	12,580	2,189 Trees (39),Weather (9),Trees - Outside ROW (6),Planned/Scheduled (5),Equipment Failure (5),Unique Incident (5),Lightning (4),No Specific Cause Found (2),Car/Pole Accident (1)
BALCOM	2022	32	6,898	1,754 Trees (11),Equipment Failure (6),No Specific Cause Found (5),Unique Incident (3),Lightning (2),Weather (2),Trees - Outside ROW (1),Public Damage (1),Forced Outage/Emergency (1)
BALCOM	2023	23	7,818	1,269 Trees (7),No Specific Cause Found (4),Equipment Failure (3),Weather (3),Animal (2),Trees - Outside ROW (1),Lightning (1),Forced Outage/Emergency (1),Unique Incident (1)
BALCOM	2024	27	2,143	522 No Specific Cause Found (7),Trees (7),Equipment Failure (5),Weather (3),Lightning (2),Unique Incident (1),Forced Outage/Emergency (1),Trees - Outside ROW (1)
LELAND	2020	76	7,708	2,179 Trees (30),Equipment Failure (10),Planned/Scheduled (8),Animal (7),Trees - Outside ROW (7),Weather (5),No Specific Cause Found (4),Forced Outage/Emergency (2),Lightning (1),Unique Incident (1),Public Damage (1)
LELAND	2021	76	13,879	2,474 Trees (25),Planned/Scheduled (13),Equipment Failure (12),Weather (7),Animal (7),Trees - Outside ROW (6),Forced Outage/Emergency (3),Car/Pole Accident (2),Unique Incident (1)
LELAND	2022	77	16,055	2,464 Trees (43),Animal (10),Trees - Outside ROW (7),Weather (7),Equipment Failure (6),Public Damage (2),No Specific Cause Found (1),Car/Pole Accident (1)
LELAND	2023	50	7,286	2,331 Trees (24),Trees - Outside ROW (8),Equipment Failure (7),Animal (3),Public Damage (2),Weather (2),No Specific Cause Found (2),Car/Pole Accident (1),Unique Incident (1)
LELAND	2024	75	11,941	5,310 Trees (32),No Specific Cause Found (13),Animal (8),Equipment Failure (8),Trees - Outside ROW (7),Unique Incident (5),Forced Outage/Emergency (2)
PARAMOUNT	2020	61	8,251	2,730 Trees (13),Animal (13),Equipment Failure (12),Planned/Scheduled (7),Car/Pole Accident (4),Trees - Outside ROW (3),Public Tree Trimming (3),Public Damage (2),No Specific Cause Found (2),Unique Incident (1),Forced Outage/Emergency (1)
PARAMOUNT	2021	59	9,431	3,490 Trees (21),Equipment Failure (14),Animal (8),Unique Incident (3),Forced Outage/Emergency (3),Trees - Outside ROW (2),Weather (2),Car/Pole Accident (2),Public Damage (2),Planned/Scheduled (1),No Specific Cause Found (1)
PARAMOUNT	2022	62	6,041	2,401 Trees (20),Animal (16),Equipment Failure (10),No Specific Cause Found (9),Forced Outage/Emergency (2),Lightning (2),Trees - Outside ROW (2),Weather (1)
PARAMOUNT	2023	62	6,003	1,913 Animal (18),Trees (12),Weather (10),Equipment Failure (7),No Specific Cause Found (6),Trees - Outside ROW (4),Car/Pole Accident (2),Lightning (2),Unique Incident (1)
PARAMOUNT	2024	54	3,548	1,423 Trees (20),Animal (17),Equipment Failure (6),No Specific Cause Found (4),Weather (3),Lightning (2),Unique Incident (1),Forced Outage/Emergency (1)
MCCANDLISH	2020	49	3,892	5,421 Equipment Failure (17),Trees (11),Planned/Scheduled (9),Unique Incident (5),Forced Outage/Emergency (3),Animal (2),No Specific Cause Found (1),Transmission/Generation (1)
MCCANDLISH	2021	59	29,764	7,199 Trees (23),Equipment Failure (10),Weather (9),Planned/Scheduled (4),Animal (4),Forced Outage/Emergency (4),Unique Incident (3),No Specific Cause Found (1),Public Damage (1)
MCCANDLISH	2022	36	3,071	532 Equipment Failure (12),Trees (8),Forced Outage/Emergency (7),Animal (3),Public Damage (2),Bird (1),No Specific Cause Found (1),Unique Incident (1),Weather (1)
MCCANDLISH	2023	28	2,721	453 Equipment Failure (15),Trees (5),Animal (2),No Specific Cause Found (2),Unique Incident (2),Weather (1),Car/Pole Accident (1)
MCCANDLISH	2024	46	1,948	431 Equipment Failure (15),Trees (12),Forced Outage/Emergency (4),No Specific Cause Found (4),Weather (3),Animal (3),Unique Incident (2),Trees - Outside ROW (2),Bird (1)
BUSCH ROAD	2020	71	4,315	1,377 Trees (25),Animal (11),Weather (8),No Specific Cause Found (7),Equipment Failure (7),Planned/Scheduled (5),Trees - Outside ROW (4),Unique Incident (2),Forced Outage/Emergency (2)
BUSCH ROAD	2021	87	7,582	1,514 Trees (30),Animal (12),Planned/Scheduled (11),Equipment Failure (11),Lightning (7),Weather (5),No Specific Cause Found (4),Car/Pole Accident (2),Trees - Outside ROW (2),Unique Incident (1),Forced Outage/Emergency (1),Bird (1)
BUSCH ROAD	2022	74	12,481	3,294 Animal (18),No Specific Cause Found (13),Equipment Failure (12),Trees (12),Weather (11),Unique Incident (4),Trees - Outside ROW (2),Bird (2)
BUSCH ROAD	2023	54	6,629	1,901 Equipment Failure (14),No Specific Cause Found (9),Trees (7),Animal (7),Weather (7),Unique Incident (4),Bird (2),Public Damage (2),Lightning (2)
BUSCH ROAD	2024	60	13,085	1,951 Trees (21),Animal (15),Weather (6),Equipment Failure (5),No Specific Cause Found (3),Unique Incident (3),Bird (2),Lightning (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Public Tree Trimming (1)
HUBBARD LAKE	2020	67	17,867	3,726 Trees (18),Trees - Outside ROW (15),Equipment Failure (9),Weather (8),Planned/Scheduled (3),Unique Incident (3),Animal (3),No Specific Cause Found (3),Transmission/Generation (2),Bird (1),Car/Pole Accident (1),Forced Outage/Emergency (1)
HUBBARD LAKE	2021	61	20,725	4,273 Equipment Failure (20),Trees (16),Planned/Scheduled (6),Trees - Outside ROW (5),Unique Incident (4),Weather (3),Bird (2),No Specific Cause Found (2),Animal (1),Forced Outage/Emergency (1),Public Tree Trimming (1)
HUBBARD LAKE	2022	51	32,159	4,938 Trees (18),Weather (10),Equipment Failure (7),Animal (6),Trees - Outside ROW (5),Unique Incident (3),No Specific Cause Found (1),Car/Pole Accident (1)
HUBBARD LAKE	2023	38	13,556	4,134 Trees (14),Equipment Failure (9),Unique Incident (6),Trees - Outside ROW (4),Weather (2),No Specific Cause Found (1),Forced Outage/Emergency (1),Transmission/Generation (1)
HUBBARD LAKE	2024	59	9,830	1,673 Weather (18),Trees (10),Equipment Failure (9),Trees - Outside ROW (8),Unique Incident (6),No Specific Cause Found (6),Transmission/Generation (1),Forced Outage/Emergency (1)
LAUNDRA	2020	11	3,817	2,398 Equipment Failure (3),Planned/Scheduled (3),Public Damage (1),Trees (1),No Specific Cause Found (1),Transmission/Generation (1),Forced Outage/Emergency (1)
LAUNDRA	2021	7	5,689	1,319 Equipment Failure (3),No Specific Cause Found (1),Car/Pole Accident (1),Weather (1),Public Damage (1)
LAUNDRA	2022	16	3,472	1,214 Equipment Failure (10),No Specific Cause Found (2),Animal (2),Forced Outage/Emergency (1),Trees (1)
LAUNDRA	2023	3	10	7 Weather (1),Trees (1),No Specific Cause Found (1)
LAUNDRA	2024	3	75	7 Equipment Failure (1),Trees (1),Trees - Outside ROW (1)
HILL ROAD	2020	31	14,868	3,810 Equipment Failure (12),Trees (5),Planned/Scheduled (5),Forced Outage/Emergency (4),Unique Incident (2),Weather (2),Lightning (1)
HILL ROAD	2021	21	1,347	279 Planned/Scheduled (6),Equipment Failure (6),Trees (4),Forced Outage/Emergency (3),Animal (2)
HILL ROAD	2022	31	7,735	2,695 Trees (6),Equipment Failure (6),Forced Outage/Emergency (5),Weather (5),No Specific Cause Found (4),Unique Incident (2),Animal (1),Public Damage (1),Bird (1)
HILL ROAD	2023	22	755	238 Equipment Failure (9),Weather (3),Unique Incident (3),Trees (2),Lightning (2),Animal (2),Trees - Outside ROW (1)
HILL ROAD	2024	30	7,602	1,110 Trees (7),Equipment Failure (5),No Specific Cause Found (4),Unique Incident (3),Forced Outage/Emergency (3),Weather (3),Animal (2),Lightning (2),Public Tree Trimming (1)
SINCLAIR	2020	12	380	262 Trees (6),Forced Outage/Emergency (2),Animal (2),Unique Incident (1),Equipment Failure (1)
SINCLAIR	2021	22	2,923	677 Planned/Scheduled (7),Trees (5),Equipment Failure (5),Weather (2),Animal (2),No Specific Cause Found (1)
SINCLAIR	2022	25	1,689	569 Equipment Failure (7),Trees (5),Animal (5),Weather (3),Forced Outage/Emergency (2),Unique Incident (1),No Specific Cause Found (1)
SINCLAIR	2023	7	4,021	2,108 Animal (2),Unique Incident (1),Trees (1),Public Damage (1),Weather (1),No Specific Cause Found (1)
SINCLAIR	2024	17	959	341 Animal (5),Trees (4),Forced Outage/Emergency (4),Equipment Failure (2),Weather (1),No Specific Cause Found (1)
COIT AVENUE	2020	11	845	285 Trees - Outside ROW (5),Animal (3),Planned/Scheduled (2),Equipment Failure (1)
COIT AVENUE	2021	13	2,269	709 Trees (2),Trees - Outside ROW (2),Equipment Failure (2),Forced Outage/Emergency (2),Planned/Scheduled (1),Bird (1),No Specific Cause Found (1),Public Damage (1),Weather (1)
COIT AVENUE	2022	12	945	407 Equipment Failure (5),Trees (4),Trees - Outside ROW (1),Animal (1),Public Damage (1)
COIT AVENUE	2023	28	7,378	1,578 Trees (10),Weather (6),Animal (6),Equipment Failure (4),Forced Outage/Emergency (1),Unique Incident (1)
COIT AVENUE	2024	16	426	175 Animal (6),Trees (5),Trees - Outside ROW (2),No Specific Cause Found (2),Weather (1)
TRIPP ROAD	2020	20	371	138 No Specific Cause Found (8),Equipment Failure (5),Trees (3),Public Damage (1),Weather (1),Lightning (1),Unique Incident (1)
TRIPP ROAD	2021	17	241	107 No Specific Cause Found (7),Trees (2),Equipment Failure (2),Unique Incident (2),Lightning (1),Weather (1),Planned/Scheduled (1),Public Damage (1)
TRIPP ROAD	2022	10	177	29 Equipment Failure (3),Trees (2),Weather (2),Trees - Outside ROW (1),Unique Incident (1),No Specific Cause Found (1)
TRIPP ROAD	2023	24	379	194 No Specific Cause Found (8),Trees (7),Equipment Failure (4),Weather (2),Trees - Outside ROW (1),Animal (1),Unique Incident (1)
TRIPP ROAD	2024	16	588	236 No Specific Cause Found (4),Equipment Failure (3),Unique Incident (2),Lightning (2),Trees (1),Trees - Outside ROW (1),Public Damage (1),Animal (1),Weather (1)
HUBBARDSTON ROAD	2020	31	8,438	2,725 Trees (19),No Specific Cause Found (6),Trees - Outside ROW (4),Weather (2),Public Damage (2),Transmission/Generation (2),Trees - Outside ROW (1),Bird (1),Weather (1)
HUBBARDSTON ROAD	2021	30	3,616	1,230 Trees (11),Trees - Outside ROW (4),Equipment Failure (4),No Specific Cause Found (4),Animal (3),Weather (2),Unique Incident (1),Forced Outage/Emergency (1)
HUBBARDSTON ROAD	2022	44	6,209	2,220 No Specific Cause Found (15),Trees (14),Equipment Failure (6),Animal (5),Weather (2),Unique Incident (1),Forced Outage/Emergency (1)
HUBBARDSTON ROAD	2023	23	413	77 No Specific Cause Found (8),Weather (5),Trees (5),Equipment Failure (2),Lightning (1),Unique Incident (1),Animal (1)
HUBBARDSTON ROAD	2024	31	1,322	496 No Specific Cause Found (11),Trees (7),Equipment Failure (4),Transmission/Generation (3),Animal (3),Trees - Outside ROW (2),Weather (1)
COLUMBIA	2020	21	6,901	2,110 Equipment Failure (8),Car/Pole Accident (5),Trees (3),Planned/Scheduled (2),Unique Incident (1),Animal (1),Trees - Outside ROW (1)
COLUMBIA	2021	12	5,311	2,089 Equipment Failure (5),Trees (4),No Specific Cause Found (2),Planned/Scheduled (1)
COLUMBIA	2022	8	189	128 Equipment Failure (8)
COLUMBIA	2023	23	6,244	2,464 Equipment Failure (10),Trees (3),No Specific Cause Found (2),Public Damage (2),Weather (2),Forced Outage/Emergency (2),Unique Incident (1),Animal (1)
COLUMBIA	2024	11	235	119 Equipment Failure (3),Trees (2),Weather (2),Unique Incident (1),Animal (1),No Specific Cause Found (1),Bird (1)
BLUE STAR	2020	44	2,046	940 Trees (22),Equipment Failure (6),Planned/Scheduled (5),Trees - Outside ROW (3),No Specific Cause Found (3),Public Damage (3),Unique Incident (1),Lightning (1)
BLUE STAR	2021	65	7,352	1,979 Trees (28),Planned/Scheduled (7),Trees - Outside ROW (6),Animal (5),Lightning (4),Unique Incident (4),Equipment Failure (4),Public Damage (2),Forced Outage/Emergency (2),No Specific Cause Found (2),Car/Pole Accident (1)
BLUE STAR	2022	48	5,984	1,558 Trees (21),Trees - Outside ROW (6),Weather (5),Equipment Failure (4),No Specific Cause Found (4),Unique Incident (3),Forced Outage/Emergency (2),Public Tree Trimming (1),Public Damage (1),Animal (1)
BLUE STAR	2023	38	8,036	4,054 No Specific Cause Found (14),Trees (12),Unique Incident (4),Weather (3),Equipment Failure (3),Public Damage (1),Trees - Outside ROW (1)
BLUE STAR	2024	29	10,907	1,020 Trees (10),No Specific Cause Found (6),Trees - Outside ROW (4),Weather (2),Equipment Failure (2),Forced Outage/Emergency (2),Public Damage (2),Unique Incident (1)
SPICEBUSH	2020	49	2,953	1,182 Equipment Failure (12),Trees (12),Planned/Scheduled (10),No Specific Cause Found (9),Animal (3),Unique Incident (1),Weather (1),Trees - Outside ROW (1)
SPICEBUSH	2021	50	2,352	950 Trees (20),Equipment Failure (10),Trees - Outside ROW (5),Planned/Scheduled (4),No Specific Cause Found (3),Weather (2),Unique Incident (2),Lightning (1),Public Tree Trimming (1),Car/Pole Accident (1),Bird (1)
SPICEBUSH	2022	50	7,201	1,919 Trees (17),Equipment Failure (11),Trees - Outside ROW (8),Animal (4),No Specific Cause Found (4),Unique Incident (3),Weather (2),Forced Outage/Emergency (1)
SPICEBUSH	2023	68	16,452	3,730 Trees (22),Weather (12),Equipment Failure (10),No Specific Cause Found (9),Trees - Outside ROW (8),Animal (2),Car/Pole Accident (1),Lightning (1),Forced Outage/Emergency (1),Public Damage (1),Unique Incident (1)
SPICEBUSH	2024	68	12,814	3,533 Trees (26),Trees - Outside ROW (14),Equipment Failure (9),Animal (6),No Specific Cause Found (6),Weather (3),Bird (1),Unique Incident (1),Lightning (1),Forced Outage/Emergency (1)
HARVARD LAKE	2020	164	29,748	8,113 Trees (63),No Specific Cause Found (33),Equipment Failure (23),Animal (16),Weather (15),Planned/Scheduled (4),Lightning (3),Bird (3),Forced Outage/Emergency (2),Unique Incident (1),Trees - Outside ROW (1)
HARVARD LAKE	2021	89	10,174	4,652 Trees (28),No Specific Cause Found (18),Equipment Failure (11),Animal (9),Weather (7),Planned/Scheduled (5),Trees - Outside ROW (4),Public Damage (3),Lightning (2),Unique Incident (2)

HARVARD LAKE	2022	98	13,061	5,245	Trees (28),No Specific Cause Found (25),Animal (13),Equipment Failure (11),Trees - Outside ROW (7),Lightning (5),Weather (4),Bird (2),Car/Pole Accident (2),Unique Incident (1)
HARVARD LAKE	2023	147	16,626	5,365	Trees (37),No Specific Cause Found (35),Weather (17),Animal (17),Equipment Failure (15),Trees - Outside ROW (13),Unique Incident (3),Lightning (2),Car/Pole Accident (2),Forced Outage/Emergency (2),Bird (2),Public Damage (1),Public Tree Trimming (1)
HARVARD LAKE	2024	118	12,685	4,347	No Specific Cause Found (34),Trees (25),Trees - Outside ROW (20),Animal (13),Equipment Failure (11),Unique Incident (6),Forced Outage/Emergency (1),Public Damage (1),Bird (1)
RICHLAND	2020	15	1,002	219	Equipment Failure (4),Trees (2),Weather (2),Car/Pole Accident (2),Public Damage (1),Trees - Outside ROW (1),Public Tree Trimming (1),No Specific Cause Found (1),Unique Incident (1)
RICHLAND	2021	35	2,247	748	Trees (12),Equipment Failure (8),No Specific Cause Found (4),Weather (3),Planned/Scheduled (3),Animal (2),Trees - Outside ROW (1),Forced Outage/Emergency (1),Bird (1)
RICHLAND	2022	25	824	461	Trees (6),No Specific Cause Found (5),Equipment Failure (5),Animal (4),Unique Incident (3),Bird (2)
RICHLAND	2023	24	1,447	407	Weather (6),Equipment Failure (5),Trees (5),Forced Outage/Emergency (2),No Specific Cause Found (2),Bird (1),Animal (1),Car/Pole Accident (1)
RICHLAND	2024	33	2,623	1,555	Trees (15),No Specific Cause Found (8),Equipment Failure (4),Animal (3),Trees - Outside ROW (3)
PRICE ROAD	2020	102	21,248	6,648	Trees (28),Equipment Failure (25),No Specific Cause Found (10),Planned/Scheduled (10),Trees - Outside ROW (7),Animal (7),Forced Outage/Emergency (5),Weather (4),Public Damage (3),Unique Incident (2),Car/Pole Accident (1)
PRICE ROAD	2021	94	7,155	1,904	Trees (40),Animal (13),Weather (11),Equipment Failure (8),Planned/Scheduled (6),Forced Outage/Emergency (5),Bird (4),No Specific Cause Found (3),Trees - Outside ROW (2),Public Damage (1),Unique Incident (1)
PRICE ROAD	2022	81	11,908	3,372	Equipment Failure (21),Trees (19),Animal (17),No Specific Cause Found (7),Unique Incident (6),Trees - Outside ROW (4),Bird (2),Forced Outage/Emergency (2),Public Damage (2),Lightning (1)
PRICE ROAD	2023	70	4,121	1,799	Trees (26),Equipment Failure (14),Animal (10),No Specific Cause Found (9),Unique Incident (5),Bird (3),Lightning (2),Weather (1)
PRICE ROAD	2024	115	10,909	4,844	Trees (43),Animal (28),Equipment Failure (17),No Specific Cause Found (12),Weather (5),Trees - Outside ROW (4),Bird (3),Forced Outage/Emergency (1),Public Tree Trimming (1),Unique Incident (1)
BIRCHWOOD	2020	26	2,024	912	Animal (8),Equipment Failure (7),Planned/Scheduled (4),No Specific Cause Found (3),Weather (2),Trees (1),Trees - Outside ROW (1)
BIRCHWOOD	2021	44	2,347	1,320	Equipment Failure (13),Trees (8),Planned/Scheduled (7),Animal (7),Public Damage (3),Trees - Outside ROW (2),Lightning (2),Unique Incident (1),Bird (1)
BIRCHWOOD	2022	23	1,457	724	Animal (12),Equipment Failure (6),No Specific Cause Found (2),Trees - Outside ROW (2),Public Damage (1)
BIRCHWOOD	2023	30	5,346	2,573	Animal (10),Weather (5),Equipment Failure (5),Trees - Outside ROW (4),Trees (3),No Specific Cause Found (2),Public Damage (1)
BIRCHWOOD	2024	29	1,996	1,050	Animal (8),Trees (6),Equipment Failure (5),Trees - Outside ROW (3),Unique Incident (3),No Specific Cause Found (2),Bird (1),Weather (1)
SMITH CREEK	2020	43	1,912	689	Trees (18),Equipment Failure (11),Weather (4),Animal (4),No Specific Cause Found (3),Trees - Outside ROW (2),Unique Incident (1)
SMITH CREEK	2021	36	9,614	3,656	Trees (12),Equipment Failure (8),No Specific Cause Found (5),Bird (3),Planned/Scheduled (2),Car/Pole Accident (2),Public Tree Trimming (2),Unique Incident (1),Lightning (1),Public Damage (1)
SMITH CREEK	2022	39	2,464	655	Trees (14),Equipment Failure (8),No Specific Cause Found (5),Trees - Outside ROW (4),Weather (3),Animal (2),Bird (1),Forced Outage/Emergency (1),Unique Incident (1)
SMITH CREEK	2023	19	2,466	1,499	Equipment Failure (6),Trees (6),Bird (2),Weather (2),No Specific Cause Found (1),Trees - Outside ROW (1),Lightning (1)
SMITH CREEK	2024	37	2,686	952	Trees (18),No Specific Cause Found (5),Bird (5),Equipment Failure (2),Trees - Outside ROW (2),Lightning (2),Forced Outage/Emergency (2),Weather (1),Animal (1),Public Damage (1)
HALLS LAKE	2020	34	3,267	638	Trees (9),Equipment Failure (9),Planned/Scheduled (7),Trees - Outside ROW (4),Weather (3),Public Tree Trimming (1),No Specific Cause Found (1)
HALLS LAKE	2021	8	222	46	Trees (2),Planned/Scheduled (2),Animal (2),Equipment Failure (1),Weather (1)
HALLS LAKE	2022	10	434	80	Trees - Outside ROW (4),Trees (2),Equipment Failure (2),Weather (1),Unique Incident (1)
HALLS LAKE	2023	8	196	54	Weather (2),Trees (2),Trees - Outside ROW (2),Equipment Failure (2)
HALLS LAKE	2024	15	268	55	Lightning (4),Trees (3),Equipment Failure (3),No Specific Cause Found (2),Public Tree Trimming (1),Trees - Outside ROW (1),Animal (1)
DUNBAR	2020	39	1,272	395	Animal (13),Equipment Failure (11),No Specific Cause Found (5),Trees (4),Planned/Scheduled (4),Forced Outage/Emergency (1),Bird (1)
DUNBAR	2021	38	14,269	3,116	No Specific Cause Found (11),Planned/Scheduled (8),Animal (8),Equipment Failure (6),Car/Pole Accident (3),Weather (1),Trees (1)
DUNBAR	2022	32	1,349	818	Animal (8),Car/Pole Accident (7),Equipment Failure (6),No Specific Cause Found (4),Weather (2),Bird (2),Unique Incident (2),Trees (1)
DUNBAR	2023	47	9,419	3,269	No Specific Cause Found (13),Animal (12),Trees (6),Equipment Failure (6),Bird (2),Trees - Outside ROW (2),Weather (2),Public Damage (1),Car/Pole Accident (1),Unique Incident (1),Public Tree Trimming (1)
DUNBAR	2024	30	1,219	605	Animal (13),Equipment Failure (6),No Specific Cause Found (5),Forced Outage/Emergency (3),Unique Incident (1),Weather (1),Trees (1)
WOODWARD	2020	79	9,962	2,960	Planned/Scheduled (21),Equipment Failure (20),Trees (9),Weather (9),Lightning (5),Trees - Outside ROW (5),Forced Outage/Emergency (3),Animal (3),Car/Pole Accident (2),Unique Incident (2),No Specific Cause Found (2),Public Damage (2)
WOODWARD	2021	39	4,435	2,527	Equipment Failure (11),Trees - Outside ROW (7),Planned/Scheduled (7),Unique Incident (4),Lightning (3),Weather (2),No Specific Cause Found (2)
WOODWARD	2022	49	7,918	2,799	Equipment Failure (17),Weather (7),Trees (6),No Specific Cause Found (6),Unique Incident (5),Bird (3),Trees - Outside ROW (2),Car/Pole Accident (1),Animal (1),Forced Outage/Emergency (1)
WOODWARD	2023	27	1,425	536	No Specific Cause Found (7),Equipment Failure (7),Trees (4),Trees - Outside ROW (4),Weather (3),Unique Incident (2)
WOODWARD	2024	39	3,655	1,924	Equipment Failure (10),Trees - Outside ROW (8),Trees (7),No Specific Cause Found (5),Unique Incident (3),Lightning (3),Public Damage (2),Weather (1)
SCHOOL ROAD	2020	87	1,903	624	Animal (20),No Specific Cause Found (18),Trees (16),Equipment Failure (12),Planned/Scheduled (9),Weather (6),Trees - Outside ROW (3),Lightning (2),Car/Pole Accident (1)
SCHOOL ROAD	2021	110	9,720	1,717	Trees (29),Animal (25),Planned/Scheduled (14),No Specific Cause Found (13),Equipment Failure (12),Weather (7),Trees - Outside ROW (4),Car/Pole Accident (2),Lightning (1),Unique Incident (1),Public Damage (1),Public Tree Trimming (1)
SCHOOL ROAD	2022	59	2,781	1,066	Animal (24),Trees (10),No Specific Cause Found (8),Equipment Failure (5),Trees - Outside ROW (5),Public Damage (3),Weather (2),Lightning (1),Unique Incident (1)
SCHOOL ROAD	2023	134	7,217	2,646	Equipment Failure (47),Animal (32),Trees (22),No Specific Cause Found (11),Weather (8),Trees - Outside ROW (4),Forced Outage/Emergency (4),Unique Incident (3),Public Damage (1),Bird (1),Lightning (1)
SCHOOL ROAD	2024	84	1,567	865	Animal (33),No Specific Cause Found (20),Trees (12),Weather (6),Forced Outage/Emergency (5),Equipment Failure (4),Trees - Outside ROW (2),Car/Pole Accident (1),Unique Incident (1)
CRANBROOK	2020	25	338	145	Equipment Failure (12),Trees (5),Weather (4),No Specific Cause Found (2),Unique Incident (1),Public Damage (1)
CRANBROOK	2021	22	661	612	Planned/Scheduled (15),Equipment Failure (2),Trees (2),Trees - Outside ROW (1),Weather (1),No Specific Cause Found (1)
CRANBROOK	2022	22	1,747	837	Equipment Failure (6),Trees (6),Weather (3),Unique Incident (2),No Specific Cause Found (2),Trees - Outside ROW (2),Forced Outage/Emergency (1)
CRANBROOK	2023	12	654	238	Trees (4),Equipment Failure (3),Bird (3),Trees - Outside ROW (1),Animal (1)
CRANBROOK	2024	16	1,637	660	Equipment Failure (5),Animal (3),Trees (2),Forced Outage/Emergency (2),Weather (1),Lightning (1),Public Damage (1),No Specific Cause Found (1)
SCENIC LAKE	2020	38	2,245	573	Trees (9),Equipment Failure (7),Planned/Scheduled (6),No Specific Cause Found (5),Weather (3),Animal (2),Trees - Outside ROW (1),Lightning (1),Unique Incident (1),Car/Pole Accident (1),Public Tree Trimming (1),Public Damage (1)
SCENIC LAKE	2021	41	4,959	1,089	Equipment Failure (13),Trees (12),Trees - Outside ROW (5),Unique Incident (4),Planned/Scheduled (2),Public Tree Trimming (2),Forced Outage/Emergency (1),No Specific Cause Found (1),Public Damage (1)
SCENIC LAKE	2022	24	620	221	Equipment Failure (10),Unique Incident (6),Trees - Outside ROW (3),Trees (2),Animal (1),Weather (1),No Specific Cause Found (1)
SCENIC LAKE	2023	15	921	306	Unique Incident (3),Trees - Outside ROW (3),Equipment Failure (3),Trees (2),Public Damage (1),Lightning (1),Weather (1),No Specific Cause Found (1)
SCENIC LAKE	2024	44	3,327	681	Trees (13),Equipment Failure (11),Unique Incident (7),Trees - Outside ROW (5),Weather (3),Public Damage (2),Bird (1),Animal (1),No Specific Cause Found (1)
MCMILLAN	2020	29	1,244	173	Animal (9),Equipment Failure (9),Trees (5),No Specific Cause Found (2),Planned/Scheduled (2),Car/Pole Accident (1),Weather (1)
MCMILLAN	2021	37	11,026	2,551	Equipment Failure (8),Trees (7),Weather (6),Animal (6),Car/Pole Accident (3),No Specific Cause Found (3),Trees - Outside ROW (2),Public Damage (1),Bird (1)
MCMILLAN	2022	34	2,674	992	Trees (12),Animal (10),Equipment Failure (4),Trees - Outside ROW (3),Weather (2),No Specific Cause Found (2),Public Damage (1)
MCMILLAN	2023	38	3,021	692	Trees (11),Animal (10),Equipment Failure (7),No Specific Cause Found (4),Weather (2),Trees - Outside ROW (2),Car/Pole Accident (1),Forced Outage/Emergency (1)
MCMILLAN	2024	88	7,223	2,652	Trees (37),Weather (23),Equipment Failure (10),No Specific Cause Found (5),Trees - Outside ROW (3),Forced Outage/Emergency (3),Animal (3),Lightning (2),Unique Incident (1),Bird (1)
TURNER	2020	44	6,338	1,471	Trees (24),Equipment Failure (7),Trees - Outside ROW (4),Animal (2),Forced Outage/Emergency (2),Weather (2),Planned/Scheduled (2),Lightning (1)
TURNER	2021	52	3,478	860	Trees (21),No Specific Cause Found (10),Equipment Failure (6),Weather (3),Trees - Outside ROW (3),Animal (2),Lightning (2),Forced Outage/Emergency (2),Planned/Scheduled (1),Public Tree Trimming (1),Car/Pole Accident (1)
TURNER	2022	30	4,922	1,068	Trees (11),Equipment Failure (7),Trees - Outside ROW (3),Weather (3),No Specific Cause Found (3),Unique Incident (1),Animal (1),Car/Pole Accident (1)
TURNER	2023	17	465	348	Unique Incident (6),Equipment Failure (3),Trees (2),Trees - Outside ROW (2),No Specific Cause Found (2),Weather (3),Animal (2),Bird (1)
TURNER	2024	49	2,401	937	Trees (16),Weather (11),Unique Incident (7),Equipment Failure (6),Forced Outage/Emergency (3),Trees - Outside ROW (2),No Specific Cause Found (2),Lightning (1),Bird (1)
MILBOURNE	2020	80	5,907	1,825	Equipment Failure (20),Trees (19),Planned/Scheduled (13),Weather (10),Forced Outage/Emergency (5),No Specific Cause Found (4),Unique Incident (3),Public Damage (2),Animal (2),Car/Pole Accident (1),Bird (1)
MILBOURNE	2021	128	19,203	6,088	Planned/Scheduled (32),Trees (31),Unique Incident (20),Equipment Failure (11),Weather (9),Forced Outage/Emergency (9),No Specific Cause Found (5),Car/Pole Accident (5),Public Damage (3),Trees - Outside ROW (3)
MILBOURNE	2022	67	11,031	5,557	Trees (24),Weather (9),Equipment Failure (8),No Specific Cause Found (8),Forced Outage/Emergency (6),Unique Incident (6),Animal (3),Car/Pole Accident (2),Lightning (1)
MILBOURNE	2023	83	16,838	5,052	Trees (29),Equipment Failure (16),Weather (15),No Specific Cause Found (7),Public Damage (4),Car/Pole Accident (4),Unique Incident (3),Forced Outage/Emergency (2),Animal (2),Trees - Outside ROW (1)
MILBOURNE	2024	58	1,448	427	Trees (13),Forced Outage/Emergency (11),Weather (10),Equipment Failure (8),Car/Pole Accident (7),No Specific Cause Found (4),Unique Incident (3),Trees - Outside ROW (1),Public Damage (1)
MAINES ROAD	2020	35	702	326	Equipment Failure (10),Trees (9),No Specific Cause Found (5),Unique Incident (3),Planned/Scheduled (2),Trees - Outside ROW (2),Forced Outage/Emergency (1),Weather (1),Animal (1),Car/Pole Accident (1)
MAINES ROAD	2021	23	933	344	Trees (16),Equipment Failure (4),Trees - Outside ROW (1),Weather (1),Planned/Scheduled (1)
MAINES ROAD	2022	33	1,966	237	Trees (18),Weather (5),Animal (3),Equipment Failure (3),No Specific Cause Found (3),Forced Outage/Emergency (1)
MAINES ROAD	2023	29	809	189	Trees (10),Weather (6),Equipment Failure (4),No Specific Cause Found (3),Trees - Outside ROW (2),Lightning (2),Animal (1),Unique Incident (1)
MAINES ROAD	2024	46	3,911	983	Trees (29),Trees - Outside ROW (7),Equipment Failure (4),Weather (2),No Specific Cause Found (2),Lightning (1),Animal (1)
FOREST GROVE	2020	55	1,952	1,575	Animal (22),Equipment Failure (9),Planned/Scheduled (9),Trees (4),Forced Outage/Emergency (3),No Specific Cause Found (2),Unique Incident (2),Weather (2),Public Damage (1),Lightning (1)
FOREST GROVE	2021	48	4,295	1,542	Animal (15),Trees (9),Equipment Failure (9),Weather (3),Planned/Scheduled (3),Trees - Outside ROW (2),Bird (2),Car/Pole Accident (2),Public Damage (2),Forced Outage/Emergency (1)
FOREST GROVE	2022	56	1,999	243	Animal (23),Equipment Failure (11),No Specific Cause Found (6),Trees (6),Lightning (3),Trees - Outside ROW (2),Public Damage (2),Car/Pole Accident (1),Unique Incident (1),Weather (1)
FOREST GROVE	2023	48	2,526	953	Animal (15),Trees (10),No Specific Cause Found (6),Equipment Failure (6),Bird (3),Weather (2),Forced Outage/Emergency (1),Trees - Outside ROW (1)
FOREST GROVE	2024	71	2,808	1,198	Animal (35),Equipment Failure (12),Trees (9),No Specific Cause Found (6),Forced Outage/Emergency (3),Weather (3),Car/Pole Accident (1),Unique Incident (1),Trees - Outside ROW (1)
WEST CLARK LAKE	2020	57	1,143	585	Trees (21),Planned/Scheduled (14),Equipment Failure (9),No Specific Cause Found (6),Weather (2),Animal (2),Unique Incident (1),Forced Outage/Emergency (1),Trees - Outside ROW (1)
WEST CLARK LAKE	2021	51	3,058	980	Trees (23),Planned/Scheduled (8),Equipment Failure (6),Weather (4),No Specific Cause Found (3),Unique Incident (3),Car/Pole Accident (2),Forced Outage/Emergency (1),Public Damage (1)
WEST CLARK LAKE	2022	20	2,957	1,705	Trees (6),Weather (4),Equipment Failure (4),No Specific Cause Found (2),Public Damage (2),Forced Outage/Emergency (1),Unique Incident (1)
WEST CLARK LAKE	2023	41	5,203	1,432	Trees (13),Equipment Failure (9),Weather (7),No Specific Cause Found (5),Animal (4),Unique Incident (2),Trees - Outside ROW (1)
WEST CLARK LAKE	2024	15	1,202	816	Trees (5),No Specific Cause Found (3),Bird (2),Equipment Failure (2),Trees - Outside ROW (1),Animal (1),Weather (1)

SHARON HOLLOW	2020	29	2,244	412 Trees (10),Weather (9),Equipment Failure (5),No Specific Cause Found (3),Unique Incident (1),Planned/Scheduled (1)
SHARON HOLLOW	2021	24	313	101 Weather (6),Equipment Failure (5),Trees - Outside ROW (5),Trees (3),Bird (2),No Specific Cause Found (1),Unique Incident (1),Public Tree Trimming (1)
SHARON HOLLOW	2022	37	1,052	158 Weather (9),Equipment Failure (9),Trees (8),No Specific Cause Found (8),Animal (2),Unique Incident (1)
SHARON HOLLOW	2023	35	3,363	503 Trees (11),No Specific Cause Found (9),Equipment Failure (8),Weather (4),Bird (1),Public Damage (1),Animal (1)
SHARON HOLLOW	2024	24	1,373	701 No Specific Cause Found (8),Trees (6),Unique Incident (3),Weather (2),Equipment Failure (2),Bird (1),Trees - Outside ROW (1),Animal (1)
TREMAINE	2020	33	2,404	1,389 No Specific Cause Found (10),Equipment Failure (6),Trees (5),Weather (3),Animal (3),Car/Pole Accident (2),Unique Incident (1),Forced Outage/Emergency (1),Bird (1),Transmission/Generation (1)
TREMAINE	2021	36	1,656	989 No Specific Cause Found (11),Trees (10),Equipment Failure (6),Planned/Scheduled (4),Weather (1),Public Damage (1),Lightning (1),Animal (1),Car/Pole Accident (1)
TREMAINE	2022	24	1,729	724 No Specific Cause Found (10),Trees (4),Animal (3),Car/Pole Accident (3),Equipment Failure (2),Bird (1),Unique Incident (1)
TREMAINE	2023	25	1,213	192 No Specific Cause Found (9),Weather (5),Trees (5),Equipment Failure (2),Animal (2),Lightning (1),Unique Incident (1)
TREMAINE	2024	35	1,624	731 No Specific Cause Found (15),Equipment Failure (6),Weather (3),Lightning (3),Animal (3),Trees (2),Bird (1),Public Damage (1),Forced Outage/Emergency (1)
RYNO	2020	121	23,322	4,557 Trees (46),Equipment Failure (18),Planned/Scheduled (16),Trees - Outside ROW (15),Forced Outage/Emergency (10),No Specific Cause Found (6),Unique Incident (3),Lightning (2),Weather (2),Animal (1),Public Tree Trimming (1),Bird (1)
RYNO	2021	97	13,205	2,484 Trees (31),Equipment Failure (18),Weather (10),Planned/Scheduled (10),No Specific Cause Found (9),Trees - Outside ROW (8),Unique Incident (3),Forced Outage/Emergency (2),Animal (2),Car/Pole Accident (1),Bird (1),Lightning (1),Public Tree Trimming (1)
RYNO	2022	57	3,837	2,061 Trees (24),Equipment Failure (13),No Specific Cause Found (8),Weather (4),Lightning (2),Bird (1),Public Damage (1),Animal (1),Trees - Outside ROW (1),Unique Incident (1),Forced Outage/Emergency (1)
RYNO	2023	54	15,672	3,505 Trees (24),Equipment Failure (6),No Specific Cause Found (6),Trees - Outside ROW (4),Weather (4),Forced Outage/Emergency (3),Lightning (2),Animal (2),Car/Pole Accident (1),Bird (1),Unique Incident (1)
RYNO	2024	85	9,673	2,637 Trees (36),No Specific Cause Found (10),Equipment Failure (10),Weather (9),Animal (7),Forced Outage/Emergency (5),Trees - Outside ROW (4),Public Tree Trimming (2),Unique Incident (1),Bird (1)
ROLLIN	2020	18	296	170 Planned/Scheduled (6),Equipment Failure (5),Trees (3),No Specific Cause Found (2),Lightning (2)
ROLLIN	2021	28	683	286 No Specific Cause Found (9),Trees (8),Planned/Scheduled (4),Unique Incident (3),Equipment Failure (2),Car/Pole Accident (1),Weather (1)
ROLLIN	2022	27	1,573	776 Equipment Failure (8),No Specific Cause Found (8),Trees (5),Unique Incident (4),Trees - Outside ROW (1),Weather (1)
ROLLIN	2023	20	951	1,058 Equipment Failure (9),Trees (4),Weather (3),No Specific Cause Found (2),Unique Incident (2),Animal (1)
ROLLIN	2024	9	256	137 No Specific Cause Found (5),Trees (2),Weather (1),Unique Incident (1)
BUCHANAN	2020	19	811	271 Trees (7),Planned/Scheduled (4),Equipment Failure (3),No Specific Cause Found (2),Weather (1),Animal (1),Trees - Outside ROW (1)
BUCHANAN	2021	35	436	340 Planned/Scheduled (27),Unique Incident (2),Trees - Outside ROW (2),Animal (1),No Specific Cause Found (1),Equipment Failure (1),Public Damage (1)
BUCHANAN	2022	31	8,239	2,793 Equipment Failure (10),Trees (7),Weather (7),No Specific Cause Found (5),Trees - Outside ROW (2)
BUCHANAN	2023	18	1,516	357 Trees (6),Equipment Failure (5),Animal (2),Trees - Outside ROW (2),No Specific Cause Found (2),Weather (1)
BUCHANAN	2024	14	613	375 Trees (5),Animal (2),Trees - Outside ROW (2),Unique Incident (2),No Specific Cause Found (1),Forced Outage/Emergency (1),Weather (1)
DENNISON	2022	15	332	215 No Specific Cause Found (5),Trees (3),Trees - Outside ROW (3),Equipment Failure (2),Weather (1),Bird (1)
DENNISON	2023	20	263	161 Equipment Failure (6),Trees (5),Trees - Outside ROW (3),Animal (3),Lightning (1),Bird (1),No Specific Cause Found (1)
DENNISON	2024	16	1,220	230 Trees (7),Weather (2),Equipment Failure (2),Unique Incident (2),Bird (2),No Specific Cause Found (1)
PEARLINE	2020	43	5,031	2,073 Equipment Failure (13),Animal (10),Trees (4),Public Damage (3),Weather (3),Planned/Scheduled (3),No Specific Cause Found (2),Unique Incident (1),Lightning (1),Forced Outage/Emergency (1),Trees - Outside ROW (1),Car/Pole Accident (1)
PEARLINE	2021	22	1,986	674 Animal (5),Equipment Failure (4),Lightning (3),Planned/Scheduled (3),Trees (2),Weather (2),No Specific Cause Found (2),Trees - Outside ROW (1)
PEARLINE	2022	38	1,926	2,485 Animal (18),Trees (6),Equipment Failure (5),No Specific Cause Found (2),Unique Incident (2),Forced Outage/Emergency (1),Public Damage (1),Weather (1),Bird (1),Trees - Outside ROW (1)
PEARLINE	2023	29	1,881	815 Animal (12),Equipment Failure (8),Trees (3),Unique Incident (2),No Specific Cause Found (2),Forced Outage/Emergency (1),Car/Pole Accident (1)
PEARLINE	2024	37	984	384 Animal (19),No Specific Cause Found (7),Equipment Failure (4),Trees (2),Public Damage (2),Weather (1),Unique Incident (1),Trees - Outside ROW (1)
STANWOOD	2020	39	3,164	853 Planned/Scheduled (10),Animal (9),Trees (6),Equipment Failure (6),No Specific Cause Found (4),Lightning (1),Forced Outage/Emergency (1),Bird (1),Trees - Outside ROW (1)
STANWOOD	2021	89	7,145	2,468 Planned/Scheduled (52),Trees (19),Equipment Failure (8),Animal (7),Trees - Outside ROW (5),Weather (4),No Specific Cause Found (2),Public Damage (1),Car/Pole Accident (1)
STANWOOD	2022	53	13,090	3,400 Trees (15),Weather (11),Equipment Failure (8),Animal (7),No Specific Cause Found (3),Bird (2),Trees - Outside ROW (2),Lightning (2),Unique Incident (1),Forced Outage/Emergency (1),Public Damage (1)
STANWOOD	2023	56	8,495	4,506 Trees (20),Equipment Failure (14),Weather (7),No Specific Cause Found (7),Animal (3),Trees - Outside ROW (3),Public Damage (1),Forced Outage/Emergency (1)
STANWOOD	2024	73	9,491	2,690 Trees (28),No Specific Cause Found (8),Forced Outage/Emergency (7),Trees - Outside ROW (7),Animal (6),Weather (5),Car/Pole Accident (4),Equipment Failure (4),Bird (3),Unique Incident (1)
RUSSELL ROAD	2020	50	623	442 No Specific Cause Found (21),Animal (11),Equipment Failure (9),Planned/Scheduled (3),Trees (3),Car/Pole Accident (1),Trees - Outside ROW (1),Weather (1)
RUSSELL ROAD	2021	77	5,306	3,611 No Specific Cause Found (21),Planned/Scheduled (18),Animal (10),Equipment Failure (9),Trees (6),Unique Incident (6),Weather (5),Trees - Outside ROW (2)
RUSSELL ROAD	2022	73	8,495	3,698 Animal (18),No Specific Cause Found (17),Weather (15),Trees (7),Transmission/Generation (7),Equipment Failure (5),Unique Incident (1),Forced Outage/Emergency (1),Lightning (1),Trees - Outside ROW (1)
RUSSELL ROAD	2023	89	7,955	1,104 Trees (26),No Specific Cause Found (24),Weather (15),Equipment Failure (9),Animal (9),Public Damage (2),Bird (2),Trees - Outside ROW (1),Lightning (1)
RUSSELL ROAD	2024	53	243	150 Animal (20),No Specific Cause Found (15),Equipment Failure (10),Bird (3),Trees - Outside ROW (3),Unique Incident (1),Weather (1)
BABCOCK	2020	51	2,873	1,155 Trees (14),Trees - Outside ROW (7),Weather (6),No Specific Cause Found (6),Equipment Failure (6),Car/Pole Accident (4),Lightning (3),Planned/Scheduled (3),Animal (2)
BABCOCK	2021	54	5,591	1,460 Trees (17),Weather (12),Equipment Failure (8),Lightning (6),No Specific Cause Found (5),Trees - Outside ROW (2),Unique Incident (1),Public Tree Trimming (1),Planned/Scheduled (1),Forced Outage/Emergency (1)
BABCOCK	2022	51	4,902	1,547 Weather (17),Trees (12),Equipment Failure (9),Lightning (6),Animal (3),Trees - Outside ROW (1),Car/Pole Accident (1),Bird (1),No Specific Cause Found (1)
BABCOCK	2023	26	314	70 No Specific Cause Found (10),Equipment Failure (5),Trees (5),Weather (2),Unique Incident (2),Lightning (1),Trees - Outside ROW (1)
BABCOCK	2024	53	3,714	918 Trees (17),No Specific Cause Found (13),Weather (8),Equipment Failure (4),Trees - Outside ROW (3),Unique Incident (3),Animal (2),Lightning (2),Forced Outage/Emergency (1)
BARRYTON	2020	56	6,742	2,365 Trees (17),Animal (7),Trees - Outside ROW (7),Equipment Failure (5),No Specific Cause Found (5),Weather (4),Planned/Scheduled (4),Forced Outage/Emergency (2),Lightning (2),Public Damage (1),Unique Incident (1),Car/Pole Accident (1)
BARRYTON	2021	52	8,518	1,759 Trees (14),Planned/Scheduled (13),Equipment Failure (8),Animal (6),Trees - Outside ROW (5),Lightning (3),Weather (2),Bird (1)
BARRYTON	2022	45	3,982	1,745 Trees (18),Equipment Failure (7),Animal (5),Weather (3),No Specific Cause Found (3),Forced Outage/Emergency (2),Unique Incident (2),Car/Pole Accident (2),Trees - Outside ROW (2),Bird (1)
BARRYTON	2023	36	9,790	2,172 Trees (16),No Specific Cause Found (5),Equipment Failure (4),Animal (3),Weather (2),Lightning (2),Trees - Outside ROW (2),Unique Incident (1),Forced Outage/Emergency (1)
BARRYTON	2024	64	11,223	2,550 Trees (28),Trees - Outside ROW (9),Equipment Failure (9),No Specific Cause Found (7),Animal (6),Weather (2),Forced Outage/Emergency (2),Car/Pole Accident (1)
RATIGAN	2020	70	11,098	3,865 Trees (23),Trees - Outside ROW (10),Animal (10),Equipment Failure (6),Weather (5),No Specific Cause Found (5),Public Damage (3),Car/Pole Accident (3),Planned/Scheduled (2),Unique Incident (2),Public Tree Trimming (1)
RATIGAN	2021	63	11,175	1,432 Trees (25),Animal (10),Equipment Failure (10),No Specific Cause Found (5),Trees - Outside ROW (4),Weather (4),Planned/Scheduled (4),Unique Incident (2),Lightning (2),Bird (1),Forced Outage/Emergency (1)
RATIGAN	2022	71	2,931	1,058 Trees (25),Equipment Failure (18),Animal (12),Weather (6),No Specific Cause Found (4),Unique Incident (2),Forced Outage/Emergency (2),Trees - Outside ROW (1),Lightning (1)
RATIGAN	2023	87	3,944	1,413 Trees (37),Animal (11),No Specific Cause Found (9),Equipment Failure (9),Weather (7),Trees - Outside ROW (5),Unique Incident (5),Lightning (2),Car/Pole Accident (1),Public Damage (1)
RATIGAN	2024	65	2,741	1,584 Trees (28),No Specific Cause Found (12),Animal (9),Equipment Failure (7),Weather (3),Lightning (2),Car/Pole Accident (1),Forced Outage/Emergency (1),Trees - Outside ROW (1),Bird (1)
HIGH BRIDGE	2020	25	2,336	1,210 Animal (7),Equipment Failure (7),Trees (6),Trees - Outside ROW (2),No Specific Cause Found (1),Forced Outage/Emergency (1),Planned/Scheduled (1)
HIGH BRIDGE	2021	9	185	37 Trees (2),Lightning (2),No Specific Cause Found (1),Animal (1),Planned/Scheduled (1),Forced Outage/Emergency (1),Equipment Failure (1)
HIGH BRIDGE	2022	12	1,729	833 Animal (3),Equipment Failure (3),No Specific Cause Found (2),Trees (2),Bird (1),Forced Outage/Emergency (1)
HIGH BRIDGE	2023	7	814	604 Equipment Failure (2),Animal (2),Trees (1),Trees - Outside ROW (1),No Specific Cause Found (1)
HIGH BRIDGE	2024	15	184	163 Trees (9),Animal (3),No Specific Cause Found (3)
SNYDER	2020	42	3,832	1,657 Animal (12),No Specific Cause Found (8),Equipment Failure (5),Trees (5),Trees - Outside ROW (4),Planned/Scheduled (3),Lightning (3),Weather (2)
SNYDER	2021	51	9,665	2,591 Animal (12),Trees (11),Equipment Failure (6),Planned/Scheduled (6),No Specific Cause Found (4),Lightning (4),Trees - Outside ROW (3),Forced Outage/Emergency (2),Unique Incident (2),Weather (1)
SNYDER	2022	35	6,737	2,312 Trees - Outside ROW (14),No Specific Cause Found (6),Trees (4),Weather (4),Animal (2),Equipment Failure (2),Public Damage (1),Unique Incident (1),Forced Outage/Emergency (1)
SNYDER	2023	28	5,250	2,594 Trees - Outside ROW (7),Animal (6),No Specific Cause Found (6),Trees (3),Weather (2),Unique Incident (2),Equipment Failure (1),Lightning (1)
SNYDER	2024	46	11,764	4,523 Trees - Outside ROW (13),No Specific Cause Found (12),Animal (5),Equipment Failure (5),Weather (4),Trees (4),Public Damage (1),Public Tree Trimming (1),Forced Outage/Emergency (1)
EMERSON	2020	53	5,160	2,206 Animal (14),Equipment Failure (10),Trees - Outside ROW (9),Trees (5),No Specific Cause Found (4),Planned/Scheduled (3),Unique Incident (3),Bird (2),Weather (2),Forced Outage/Emergency (1)
EMERSON	2021	36	2,253	1,067 Equipment Failure (11),Animal (7),Weather (4),Trees - Outside ROW (4),Trees (4),Public Damage (2),Lightning (2),Planned/Scheduled (1),Bird (1)
EMERSON	2022	44	4,572	1,592 Animal (14),No Specific Cause Found (7),Equipment Failure (7),Trees (4),Trees - Outside ROW (3),Car/Pole Accident (3),Lightning (2),Weather (2),Bird (2)
EMERSON	2023	41	6,447	3,591 Animal (15),Trees - Outside ROW (6),Trees (5),Equipment Failure (4),Weather (3),Car/Pole Accident (2),No Specific Cause Found (2),Unique Incident (1),Public Tree Trimming (1),Bird (1),Lightning (1)
EMERSON	2024	52	4,546	1,543 Animal (22),Trees - Outside ROW (9),Trees (7),Equipment Failure (4),Weather (4),No Specific Cause Found (3),Unique Incident (2),Car/Pole Accident (1)
RIDGEVIEW	2020	6	30	20 Equipment Failure (2),Lightning (1),Planned/Scheduled (1),Trees (1),No Specific Cause Found (1)
RIDGEVIEW	2021	23	3,286	1,332 Trees (7),Equipment Failure (6),Trees - Outside ROW (3),No Specific Cause Found (3),Planned/Scheduled (1),Weather (1),Bird (1),Public Damage (1)
RIDGEVIEW	2022	24	389	257 Trees (6),Equipment Failure (5),Animal (4),Weather (3),No Specific Cause Found (3),Unique Incident (1),Bird (1),Trees - Outside ROW (1)
RIDGEVIEW	2023	24	5,335	1,203 Animal (7),No Specific Cause Found (4),Trees (4),Equipment Failure (3),Unique Incident (2),Car/Pole Accident (1),Public Damage (1),Bird (1),Weather (1)
RIDGEVIEW	2024	12	96	55 No Specific Cause Found (4),Animal (3),Trees (2),Car/Pole Accident (1),Equipment Failure (1),Bird (1)
FLETCHER	2020	82	17,040	2,326 Trees (22),Weather (19),Equipment Failure (15),Trees - Outside ROW (9),Planned/Scheduled (6),Animal (3),No Specific Cause Found (3),Unique Incident (2),Lightning (1),Forced Outage/Emergency (1),Public Damage (1)
FLETCHER	2021	48	3,130	983 Equipment Failure (18),Trees (8),Trees - Outside ROW (8),Planned/Scheduled (8),Forced Outage/Emergency (4),Unique Incident (2)
FLETCHER	2022	44	13,589	4,916 Equipment Failure (12),Trees - Outside ROW (11),Car/Pole Accident (5),Weather (5),No Specific Cause Found (4),Trees (3),Lightning (2),Public Damage (1),Animal (1)
FLETCHER	2023	21	871	352 Equipment Failure (7),Trees - Outside ROW (4),Animal (3),Public Damage (2),Public Tree Trimming (2),Unique Incident (2),Forced Outage/Emergency (1)
FLETCHER	2024	36	2,625	1,706 Equipment Failure (15),Forced Outage/Emergency (8),Trees - Outside ROW (5),Trees (3),Animal (2),No Specific Cause Found (2),Unique Incident (1)

STONEY CORNERS	2020	77	1,952	962 Planned/Scheduled (42), Equipment Failure (11), No Specific Cause Found (6), Trees - Outside ROW (5), Weather (4), Animal (3), Trees (2), Bird (2), Unique Incident (2)
STONEY CORNERS	2021	53	4,747	1,272 Equipment Failure (11), Trees - Outside ROW (7), Planned/Scheduled (6), Trees (5), Weather (5), Animal (4), Lightning (4), Unique Incident (4), No Specific Cause Found (4), Bird (2), Car/Pole Accident (1)
STONEY CORNERS	2022	47	4,303	1,264 Trees - Outside ROW (14), Equipment Failure (9), Trees (6), No Specific Cause Found (4), Car/Pole Accident (3), Weather (3), Unique Incident (3), Animal (2), Bird (2), Public Damage (1)
STONEY CORNERS	2023	38	8,090	3,354 No Specific Cause Found (8), Equipment Failure (7), Lightning (5), Weather (4), Animal (4), Car/Pole Accident (3), Trees - Outside ROW (3), Trees (3), Unique Incident (1)
STONEY CORNERS	2024	42	5,508	2,529 No Specific Cause Found (10), Animal (7), Trees - Outside ROW (6), Trees (3), Lightning (3), Equipment Failure (3), Bird (2), Unique Incident (2), Weather (2), Car/Pole Accident (2), Public Damage (1), Forced Outage/Emergency (1)
FISH LAKE	2020	41	13,751	2,835 Trees (15), Weather (8), Forced Outage/Emergency (6), Equipment Failure (5), Planned/Scheduled (3), Trees - Outside ROW (2), Unique Incident (1), No Specific Cause Found (1)
FISH LAKE	2021	54	22,213	5,227 Trees (21), Equipment Failure (7), Weather (6), Car/Pole Accident (4), Planned/Scheduled (4), No Specific Cause Found (4), Animal (2), Forced Outage/Emergency (2), Lightning (2), Unique Incident (2)
FISH LAKE	2022	32	3,742	750 Trees (14), Equipment Failure (5), Animal (5), Weather (3), No Specific Cause Found (2), Public Damage (1), Forced Outage/Emergency (1), Trees - Outside ROW (1)
FISH LAKE	2023	44	3,734	487 Trees (22), Weather (6), No Specific Cause Found (5), Bird (2), Equipment Failure (2), Forced Outage/Emergency (2), Trees - Outside ROW (2), Animal (1), Public Damage (1), Unique Incident (1)
FISH LAKE	2024	25	5,976	2,223 Trees (12), No Specific Cause Found (4), Weather (3), Forced Outage/Emergency (2), Equipment Failure (2), Bird (1), Trees - Outside ROW (1)
BUTTERFIELD	2020	57	5,984	5,184 Equipment Failure (19), Trees (13), Trees - Outside ROW (11), Animal (3), Planned/Scheduled (3), No Specific Cause Found (3), Weather (2), Unique Incident (1), Lightning (1), Car/Pole Accident (1)
BUTTERFIELD	2021	76	9,801	2,737 Equipment Failure (18), Trees (17), Planned/Scheduled (9), No Specific Cause Found (6), Car/Pole Accident (5), Animal (5), Weather (4), Trees - Outside ROW (4), Forced Outage/Emergency (3), Unique Incident (2), Lightning (1), Public Damage (1), Public Tree Trimming (1)
BUTTERFIELD	2022	61	10,300	3,452 Trees (20), Equipment Failure (12), Animal (9), Weather (7), Trees - Outside ROW (5), No Specific Cause Found (4), Lightning (2), Car/Pole Accident (2)
BUTTERFIELD	2023	40	2,294	1,333 Trees (15), Equipment Failure (8), Trees - Outside ROW (5), Animal (4), No Specific Cause Found (4), Lightning (1), Unique Incident (1), Forced Outage/Emergency (1), Weather (1)
BUTTERFIELD	2024	84	11,615	6,117 Trees (28), Equipment Failure (12), Animal (10), Trees - Outside ROW (8), Forced Outage/Emergency (6), Car/Pole Accident (6), Weather (5), No Specific Cause Found (5), Unique Incident (3), Public Tree Trimming (1)
BENSTON	2020	30	2,398	1,093 Animal (8), Trees (6), Planned/Scheduled (6), Equipment Failure (4), Trees - Outside ROW (3), Unique Incident (1), No Specific Cause Found (1), Public Damage (1)
BENSTON	2021	28	2,104	973 Equipment Failure (7), Trees (5), Animal (5), Lightning (3), No Specific Cause Found (3), Planned/Scheduled (2), Trees - Outside ROW (2), Weather (1)
BENSTON	2022	28	1,852	505 Animal (6), Equipment Failure (5), Trees (4), No Specific Cause Found (4), Weather (3), Car/Pole Accident (2), Forced Outage/Emergency (2), Unique Incident (1), Trees - Outside ROW (1)
BENSTON	2023	47	4,858	1,417 Animal (11), Trees - Outside ROW (10), Equipment Failure (9), Trees (8), Weather (3), No Specific Cause Found (2), Unique Incident (2), Forced Outage/Emergency (1), Bird (1)
BENSTON	2024	58	4,274	1,171 Weather (21), Animal (8), Trees (7), No Specific Cause Found (4), Transmission/Generation (3), Equipment Failure (3), Car/Pole Accident (3), Trees - Outside ROW (3), Public Damage (2), Lightning (2), Unique Incident (1), Forced Outage/Emergency (1)
FIELD ROAD	2020	36	11,325	1,270 Trees (12), Planned/Scheduled (9), Weather (6), Equipment Failure (6), No Specific Cause Found (2), Public Damage (1)
FIELD ROAD	2021	44	2,399	738 Trees (20), Equipment Failure (8), Planned/Scheduled (5), No Specific Cause Found (3), Car/Pole Accident (2), Bird (2), Weather (1), Unique Incident (1), Forced Outage/Emergency (1), Animal (1)
FIELD ROAD	2022	26	1,744	1,111 Trees (6), Equipment Failure (6), No Specific Cause Found (4), Unique Incident (3), Animal (2), Forced Outage/Emergency (2), Weather (1), Trees - Outside ROW (1), Public Damage (1)
FIELD ROAD	2023	14	267	73 Equipment Failure (6), Trees (3), Animal (2), Forced Outage/Emergency (1), Bird (1), No Specific Cause Found (1)
FIELD ROAD	2024	31	445	178 Equipment Failure (9), Trees (7), Forced Outage/Emergency (5), No Specific Cause Found (5), Trees - Outside ROW (2), Weather (1), Bird (1), Animal (1)
WILLIS ROAD	2020	41	4,378	1,155 Trees (12), No Specific Cause Found (9), Equipment Failure (9), Planned/Scheduled (4), Animal (4), Trees - Outside ROW (2), Weather (1)
WILLIS ROAD	2021	66	11,215	1,734 Trees (22), No Specific Cause Found (11), Equipment Failure (11), Weather (8), Planned/Scheduled (5), Trees - Outside ROW (4), Animal (2), Unique Incident (1), Public Tree Trimming (1), Forced Outage/Emergency (1)
WILLIS ROAD	2022	57	4,985	1,364 Trees (20), Weather (11), No Specific Cause Found (9), Animal (7), Equipment Failure (6), Trees - Outside ROW (3), Bird (1)
WILLIS ROAD	2023	60	3,856	1,202 Trees (26), Equipment Failure (9), No Specific Cause Found (8), Weather (7), Animal (5), Trees - Outside ROW (2), Lightning (1), Unique Incident (1), Forced Outage/Emergency (1)
WILLIS ROAD	2024	44	8,615	993 Trees (16), No Specific Cause Found (6), Animal (5), Equipment Failure (4), Trees - Outside ROW (3), Lightning (3), Forced Outage/Emergency (2), Unique Incident (2), Public Tree Trimming (1), Weather (1), Bird (1)
DOBSON ROAD	2020	18	277	79 Equipment Failure (6), Weather (3), Trees (3), Unique Incident (2), No Specific Cause Found (2), Planned/Scheduled (1), Trees - Outside ROW (1)
DOBSON ROAD	2021	13	2,417	205 Trees (7), Trees - Outside ROW (2), Weather (1), Equipment Failure (1), Car/Pole Accident (1), Planned/Scheduled (1)
DOBSON ROAD	2022	14	1,840	363 No Specific Cause Found (3), Weather (3), Equipment Failure (3), Trees (2), Bird (1), Unique Incident (1), Animal (1)
DOBSON ROAD	2023	17	830	252 No Specific Cause Found (5), Equipment Failure (4), Trees (4), Unique Incident (2), Trees - Outside ROW (1), Weather (1)
DOBSON ROAD	2024	14	1,247	448 Trees (5), No Specific Cause Found (4), Trees - Outside ROW (2), Weather (1), Unique Incident (1), Equipment Failure (1)
FELLOWSHIP	2024	11	293	119 Weather (3), Trees - Outside ROW (2), Equipment Failure (2), Bird (1), Trees (1), Unique Incident (1), Forced Outage/Emergency (1)
NOSEL	2022	19	3,836	1,643 Equipment Failure (9), Trees (3), No Specific Cause Found (3), Weather (2), Car/Pole Accident (2)
NOSEL	2023	14	1,333	371 Trees (5), Car/Pole Accident (4), Equipment Failure (3), Unique Incident (1), No Specific Cause Found (1)
NOSEL	2024	20	1,402	666 Trees (7), No Specific Cause Found (4), Weather (3), Equipment Failure (2), Forced Outage/Emergency (2), Unique Incident (1), Trees - Outside ROW (1)
ASH ROAD	2020	23	532	597 Trees (8), Equipment Failure (5), Planned/Scheduled (4), Forced Outage/Emergency (2), Unique Incident (2), Animal (1), Trees - Outside ROW (1)
ASH ROAD	2021	35	2,615	461 Weather (10), Trees (8), Equipment Failure (5), Lightning (4), Trees - Outside ROW (3), Planned/Scheduled (1), No Specific Cause Found (1), Unique Incident (1), Car/Pole Accident (1), Bird (1)
ASH ROAD	2022	27	777	306 Trees (10), Equipment Failure (7), No Specific Cause Found (2), Weather (2), Trees - Outside ROW (2), Lightning (1), Animal (1), Unique Incident (1), Bird (1)
ASH ROAD	2023	21	671	280 Trees (5), No Specific Cause Found (5), Trees - Outside ROW (3), Animal (2), Equipment Failure (2), Bird (1), Weather (1), Unique Incident (1), Forced Outage/Emergency (1)
ASH ROAD	2024	34	1,682	332 Trees (12), No Specific Cause Found (9), Equipment Failure (7), Weather (3), Trees - Outside ROW (2), Bird (1)
KROMDYKE	2020	3	18	18 Planned/Scheduled (2), Trees (1)
KROMDYKE	2023	1	5	3 Trees (1)
KROMDYKE	2024	7	15	7 Trees (4), Weather (3)
THORNTON	2021	62	6,146	1,545 Trees (25), Equipment Failure (11), Unique Incident (6), Forced Outage/Emergency (4), Weather (3), Animal (3), Planned/Scheduled (3), No Specific Cause Found (3), Car/Pole Accident (1), Trees - Outside ROW (1), Lightning (1), Bird (1)
THORNTON	2022	77	18,105	5,283 Trees (38), Equipment Failure (11), No Specific Cause Found (8), Trees - Outside ROW (4), Animal (4), Public Damage (3), Forced Outage/Emergency (3), Unique Incident (3), Weather (2), Bird (1)
THORNTON	2023	60	21,347	4,202 Trees (23), Equipment Failure (15), No Specific Cause Found (8), Unique Incident (4), Weather (3), Animal (2), Trees - Outside ROW (2), Public Damage (1), Bird (1), Forced Outage/Emergency (1)
THORNTON	2024	83	10,146	2,592 Trees (29), Equipment Failure (16), No Specific Cause Found (10), Unique Incident (6), Forced Outage/Emergency (5), Transmission/Generation (5), Bird (3), Animal (3), Weather (3), Trees - Outside ROW (3)
SEVEN MILE	2021	20	2,641	538 Planned/Scheduled (11), Trees (3), Lightning (3), Trees - Outside ROW (1), Weather (1), Public Damage (1)
SEVEN MILE	2022	7	201	25 Equipment Failure (2), No Specific Cause Found (1), Trees (1), Weather (1), Unique Incident (1), Lightning (1)
SEVEN MILE	2023	3	522	149 Equipment Failure (1), Trees (1), Car/Pole Accident (1)
SEVEN MILE	2024	10	42	38 Equipment Failure (5), Animal (2), Weather (1), No Specific Cause Found (1), Forced Outage/Emergency (1)
MURNER	2020	63	10,685	4,243 Equipment Failure (24), Animal (11), Trees (8), No Specific Cause Found (7), Planned/Scheduled (3), Car/Pole Accident (3), Trees - Outside ROW (2), Forced Outage/Emergency (2), Public Tree Trimming (1), Unique Incident (1), Weather (1)
MURNER	2021	30	888	739 Animal (10), Equipment Failure (8), Planned/Scheduled (4), Forced Outage/Emergency (2), Trees (2), Weather (2), No Specific Cause Found (1), Lightning (1)
MURNER	2022	45	3,272	1,526 Equipment Failure (19), Weather (11), Animal (6), Trees (3), Public Damage (2), No Specific Cause Found (1), Unique Incident (1), Forced Outage/Emergency (1), Public Tree Trimming (1)
MURNER	2023	68	22,861	6,870 Equipment Failure (34), Weather (8), No Specific Cause Found (7), Car/Pole Accident (5), Trees - Outside ROW (5), Animal (4), Unique Incident (2), Lightning (2), Public Damage (1)
MURNER	2024	38	4,237	1,480 Equipment Failure (17), No Specific Cause Found (10), Animal (4), Weather (2), Forced Outage/Emergency (2), Car/Pole Accident (1), Lightning (1), Trees (1)
STURGEON	2021	20	775	397 Trees (7), Planned/Scheduled (6), Unique Incident (2), Equipment Failure (2), Forced Outage/Emergency (2), Lightning (1)
STURGEON	2022	53	13,593	4,707 Equipment Failure (13), Forced Outage/Emergency (10), Trees (9), No Specific Cause Found (6), Animal (4), Unique Incident (3), Trees - Outside ROW (3), Transmission/Generation (3), Public Damage (1), Weather (1)
STURGEON	2023	32	9,582	4,630 Trees (8), Unique Incident (7), Equipment Failure (7), Animal (5), No Specific Cause Found (2), Public Damage (1), Weather (1), Forced Outage/Emergency (1)
STURGEON	2024	61	5,818	1,472 Weather (21), Trees (19), No Specific Cause Found (6), Forced Outage/Emergency (5), Equipment Failure (5), Unique Incident (3), Animal (1), Public Damage (1)
CLOVERLEAF	2021	10	181	124 Planned/Scheduled (3), Trees (2), Equipment Failure (2), Bird (1), Trees - Outside ROW (1), Weather (1)
CLOVERLEAF	2022	18	788	173 Equipment Failure (5), Weather (4), Trees (3), Animal (2), Bird (1), Forced Outage/Emergency (1), Lightning (1), Trees - Outside ROW (1)
CLOVERLEAF	2023	16	1,208	606 Trees (8), Lightning (2), Animal (2), Equipment Failure (1), Car/Pole Accident (1), Public Damage (1), Weather (1)
CLOVERLEAF	2024	13	348	88 Trees (5), Equipment Failure (4), Lightning (3), Weather (1)
SAND CREEK	2021	36	701	174 No Specific Cause Found (13), Equipment Failure (6), Animal (5), Planned/Scheduled (3), Unique Incident (3), Public Damage (2), Weather (2), Trees (1), Car/Pole Accident (1)
SAND CREEK	2022	21	396	71 No Specific Cause Found (9), Equipment Failure (8), Lightning (1), Weather (1), Animal (1), Bird (1)
SAND CREEK	2023	22	1,186	217 No Specific Cause Found (6), Animal (5), Equipment Failure (5), Weather (3), Trees (3)
SAND CREEK	2024	32	1,445	721 Animal (11), No Specific Cause Found (9), Equipment Failure (4), Weather (2), Public Damage (2), Trees (2), Car/Pole Accident (1), Bird (1)
WIPOND	2022	6	192	33 Trees (4), Equipment Failure (1), No Specific Cause Found (1)
WIPOND	2023	30	1,218	553 Animal (9), Trees (8), Trees - Outside ROW (4), Equipment Failure (4), Public Damage (2), No Specific Cause Found (1), Lightning (1), Unique Incident (1)
WIPOND	2024	28	1,060	317 Animal (8), Equipment Failure (8), No Specific Cause Found (6), Trees (2), Unique Incident (2), Trees - Outside ROW (1), Public Damage (1)
Substation Group 1	2020	405	44,161	17,387 Equipment Failure (113), Planned/Scheduled (70), Trees (63), Animal (30), No Specific Cause Found (26), Weather (23), Unique Incident (14), Transmission/Generation (13), Forced Outage/Emergency (12), Public Damage (11), Bird (9), Trees - Outside ROW (8), Lightning (6), Car/Pole Accident (5), Public Tree Trimming (2)
Substation Group 1	2021	225	20,303	7,112 Equipment Failure (64), Trees (46), No Specific Cause Found (23), Planned/Scheduled (21), Animal (19), Unique Incident (16), Weather (10), Trees - Outside ROW (6), Forced Outage/Emergency (6), Public Damage (5), Bird (4), Transmission/Generation (2), Public Tree Trimming (1), Lightning (1), Car/Pole Accident (1)
Substation Group 1	2022	295	81,432	23,277 Equipment Failure (65), No Specific Cause Found (51), Transmission/Generation (49), Trees (48), Weather (24), Animal (17), Unique Incident (14), Car/Pole Accident (10), Forced Outage/Emergency (9), Trees - Outside ROW (6), Lightning (1), Bird (1)
Substation Group 1	2023	350	208,274	87,656 Equipment Failure (105), No Specific Cause Found (79), Weather (62), Trees (32), Unique Incident (22), Animal (20), Car/Pole Accident (13), Trees - Outside ROW (5), Transmission/Generation (5), Forced Outage/Emergency (3), Public Damage (3), Bird (1)
Substation Group 1	2024	234	135,997	46,632 Equipment Failure (63), No Specific Cause Found (50), Trees (36), Weather (31), Animal (19), Unique Incident (8), Lightning (8), Forced Outage/Emergency (7), Car/Pole Accident (4), Trees - Outside ROW (3), Transmission/Generation (3), Bird (2)

21870-GLREA-CE-0272
 Hayward Attachment 1
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LVD Substation Capacity

No.	Substation	Investment Category	Location	(i) Current Peak Capacity (kW)	(ii) Current Peak Demand (kW)	(iii) Upgrade Initiating (kW)	(iv) Number of Customers
1	ALLENDALE	Existing Substation	Allendale Twp, Ottawa Co.	8,700	9,314	9,314	2,527
2	BELVEDERE	New Substation	Saugutuck Twp, Allegan Co.	9,500	7,647	7,647	1,685
3	BIL MAR	Existing Substation	Blendon Twp, Ottawa Co.	24,200	24,488	24,488	1,480
4	BOYNE CITY	Existing Substation	City of Boyne City, Charlevoix Co.	7,600	8,449	8,449	2,900
5	CHANNEL	New Substation	City of Manistee, Manistee Co.	7,646	6,290	6,290	1,925
6	COOLEY	Existing Substation	City of Kalamazoo, Kalamazoo Co.	27,500	18,175	18,175	2,466
7	EAST JACKSON	Existing Substation	Leoni Twp, Jackson Co.	10,000	7,577	7,577	2,079
8	ERASTUS	New Substation	Wise Twp, Isabella Co.	17,400	13,456	13,456	1,829
9	GARMAN FOSTER	New Substation	Mendon Twp, St Joseph Co.	13,300	10,897	10,897	1,707
10	GRAHAM ROAD	New Substation	Thomas Twp, Saginaw Co.	9,619	7,315	7,315	1,627
11	JOHNSON	Existing Substation	Robinson Twp, Ottawa Co.	8,000	9,465	9,465	2,230
12	LINCOLN	Existing Substation	Gustin Twp, Alcona Co.	6,600	7,171	7,171	2,287
13	MERCURY	New Substation	Battle Creek Twp, Calhoun Co.	4,200	1,830	1,830	283
14	NEWARK	Existing Substation	Holly Twp, Oakland Co.	6,733	5,699	5,699	1,227
15	NUNICA	Existing Substation	Crockery Twp, Ottawa Co.	5,700	5,925	5,925	1,323
16	PRATT LAKE	New Substation	Lowell Twp, Kent Co.	13,200	12,284	12,284	1,252
17	QUICKSILVER	New Substation	City of Grand Rapids, Kent Co.	40,400	39,873	39,873	7,137
18	RED HAWK	New Substation	Algoma Twp, Kent Co.	27,200	28,488	28,488	1,898
19	ROSE CITY	Existing Substation	Cummings Twp, Ogemaw Co.	8,700	7,325	7,325	3,201
20	SKYLINE	New Substation	Beaver Creek Twp, Crawford Co.	6,972	6,634	6,634	1,757
21	SMITH CREEK	Existing Substation	Ogemaw Twp, Ogemaw Co.	12,068	9,940	9,940	1,398
22	SURREY	Existing Substation	Surrey Twp, Clare Co.	8,300	7,921	7,921	2,458
23	VALENTINE	New Substation	Pavilion Twp, Kalamazoo Co.	23,700	15,879	15,879	541
24	WAKESHA	Existing Substation	Wakeshma Twp, Kalamazoo Co.	4,300	3,960	3,960	725

21870-GLREA-CE-0272
 Hayward Attachment 2
 Page 1 of 1

HVD Capacity

No.	Project Description, Line, Substation, or Location	Investment Category	Location	(i) Current Peak Capacity (kW)	(ii) Current Peak Demand (kW)	(iii) Projected Peak Demand (kW)	(iv) Number of Customers
1	LN033E COLEMAN RBLD 46KV 13.9 MI *07	Load Carrying Capability and Voltage Support	Midland Co.	32,400	15,100	37,600	8,800
2	Larkin 46 kV Line Rebuild	Load Carrying Capability and Voltage Support	Midland Co.	19,000	28,000	28,000	11,300
3	LN111A SARANAC RBLD 4.5 MI 46 kV % *07	Load Carrying Capability and Voltage Support	Ionia Co.	18,900	23,300	23,300	5,000
4	Baker 138/46kV Substation (Crandall)	Load Carrying Capability and Voltage Support	Van Buren Co.	10,000	8,500	11,440	5,300



Search Consumers Energy...

 Residential

 Business

Heads-Up: Scheduled System Maintenance September 19–21 ✕

We want to give you notice that, weather permitting, we'll be performing maintenance on our website, mobile app, and Call Centers next month.

[Read More](#)

Consumers Energy Customer Privacy Notice

Purpose of this Notice

The Customer Data Privacy Policy was created to guide the protection of customer-specific energy use data and Personal Information. The goal is to strike a reasonable balance between the collection, use, or disclosure of any Customer Account Information by Consumers Energy to provide safe and reliable energy service, and our responsibility to comply with legislative and regulatory mandates and to meet customers' expectations regarding the collection, disclosure, and use of their Customer Account Information and Personal Information.

Consumers Energy's Privacy Policy is reviewed on a periodic basis. When an update is made, a notice of Consumers Energy's privacy policy will be prominently posted on the Consumers Energy website and in any mobile applications.

[Data Privacy Tariff \(Electric Service\) \(https://www.consumersenergy.com/-/media/CE/Documents/rates/electric-rate-book.pdf#page=125\)](https://www.consumersenergy.com/-/media/CE/Documents/rates/electric-rate-book.pdf#page=125)

[Data Privacy Tariff \(Natural Gas Service\) \(https://www.consumersenergy.com/-/media/CE/Documents/rates/gas-rate-book.pdf#page=101\)](https://www.consumersenergy.com/-/media/CE/Documents/rates/gas-rate-book.pdf#page=101)

What information do you collect about me?

We collect information that you voluntarily provide to us (like your name, email address, and financial account information) as well as information about how you interact with our website (like the pages you visit).

[More information +](#)

How do you use the information you collect?

We use your information to provide you with the services you request, to provide customer service, and to improve website customer experience.

[More information +](#)

Who do you share my information with?

We share your information with contractors we use to conduct our business. If required by applicable law, legal process, or regulators, we will share requested information.

More information +

How do you protect my information?

We protect your information using industry-standard technologies such as device encryption, physical safeguards such as locked devices and buildings, and procedural safeguards such as restrictions on who can access what data.

More information +

How can I access or correct my personal information?

To understand what information we have about you, or if you believe we may have incorrect data associated with you or your account, please call Customer Service at 1-800-477-5050. There, you can speak with a Consumers Energy representative to find out how to request changes or corrections to your information.

More information +

How long do you keep my data?

We keep customer data as long as necessary to provide you with energy services and to comply with Michigan Public Service Commission and other regulatory requirements. Once data is no longer needed for these purposes it is destroyed according to Company data retention schedules and in a manner consistent with Information Governance best practices.

How can I access and share my energy consumption data?

You may request that your energy consumption information be released to you or a Third Party of your choice. The following methods may be used to make these requests:

Website:

To obtain your Consumption Data or other available information from the Company's website, you can access the customer portal by navigating to [consumersenergy.com](https://www.consumersenergy.com) ([//consumersenergy.com](https://www.consumersenergy.com)), and logging into your account OR by creating a profile by providing Street Address / Last Name / Organization Name / Phone Number or Account Number.

From the customer portal, you can obtain your Consumption Data by navigating to Energy Use Details and selecting the Energy Insights tab. Data can be downloaded by clicking the green button labeled "Download My Data."

From the customer portal, you can also forward your Consumption Data to a listed Third Party by navigating to Energy Use Details and selecting the Energy Insights tab. Data can be downloaded by clicking the green button labeled "Share My Data."

Please remember that Consumers Energy is not responsible for a Third Party's unauthorized disclosure or use of customer information.

In Writing or by Email:

To request Consumption Data or to request that it be released directly to a Third Party of your choice not listed on the customer portal, use these steps:

Residential Customers

- Complete the [Customer Consent Form \(https://www.consumersenergy.com/privacy/customer-consent-form\)](https://www.consumersenergy.com/privacy/customer-consent-form), with all required information.
- Call us at 1-800-477-5050 to provide the Third Party to which you want your information sent.

Note: You must provide all information requested on the form. Incomplete forms will not be processed.

Business/Commercial and Industrial Customers

- Complete the Customer Consent Form (<https://www.consumersenergy.com/privacy/customer-consent-form>) with all required information.

Note: You must provide all information requested on the form. Incomplete forms will not be processed.

How can I contact you with questions?

Please visit our Frequently Asked Questions page (<https://privacyportal.onetrust.com/webform/66db9272-16df-45d0-9237-a45bdcebfa99/d92c97eb-7a67-4317-8802-9b68b9edd3c3>), for more information or to contact us directly!

Definitions

"**Aggregated Data**" means any Consumption Data or Customer Account Information, from which all identifying information has been removed so that your individual data or information cannot be associated with you without extraordinary effort.

"**Consumption Data**" means your specific electric and gas usage data collected by utility meters by us and stored in our systems.

"**Contractors**" means vendors, agents, or affiliates that provide service to or on behalf of us.

"**Customer Account Information**" means personally identifiable information including customer address, contact information, payment history, account number, and amount billed. Includes information received by us from you for purposes of participating in regulated utility programs, including bill payment assistance, shutoff protection, renewable energy, demand-side management, load management, energy efficiency, or value-added programs and services.

"**Informed Customer Consent**" means, in the case where consent is required: (1) you are provided with a clear statement of the data or information to be collected and allowable uses of that data or information by the party seeking consent; (2) the frequency of data or information release and the duration of time for which the consent is valid; and (3) process by which you may revoke consent. In no case shall silence by you can ever be construed to mean express or implied consent to a request by us, or our Contractors. Your consent may be documented in writing, electronically, or through recording of an oral communication.

"**MPSC**" means the Michigan Public Service Commission.

"**Personal Information**" means any information that, when used alone or combined with other personal or identifying information, can be used to distinguish or derive the identity of an individual, family, or household who is or which includes you as our customer. Such information is subject to confidentiality requirements.

"**Primary Purpose**" means the collection, use, or disclosure of information collected by us or supplied by you in order to: (1) provide, bill, or collect for regulated service; (2) provide for system, grid, or operational needs; (3) provide services as required by state or federal law or by order of the Michigan Public Service Commission (MPSC); (4) plan, implement, or evaluate energy-related programs, products or services related to energy assistance, demand response, energy management, energy efficiency, or renewable energy.

"**Secondary Purpose**" means any purpose that is not a Primary Purpose.

"**Third Party**" means a person or entity that has no contractual relationship with us to perform services or act on behalf of us.

"**Value-added Programs and Services (VAPS)**" means programs not regulated by the MPSC but that provide services that are utility or energy related, including, but not limited to, home comfort and protection, appliance service plan, building energy performance, alternative energy options, or engineering and construction services.

"**We**", "**Our**", or "**Us**" means Consumers Energy.

"**Written Consent**" means a signed form with your signature received by us through mail, facsimile, email, website, mobile application, other digital form, or recorded oral statement of consent.

"**You**" or "**Your**" means any Consumers Energy customer, website visitor, or mobile application user.

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W [. \(http://www.force4michigan.com/\)](http://www.force4michigan.com/)

GENERAL/RESIDENTIAL

☎ [800-477-5050 \(Tel:+1-800-477-5050\)](tel:+1-800-477-5050)

M-F: 7 a.m. - 6 p.m.

BUSINESS

☎ [800-805-0490 \(Tel:+1-800-805-0490\)](tel:+1-800-805-0490)

M-F: 8 a.m. - 4:30 p.m.

ADDITIONAL CONTACTS > [. \(https://www.consumersenergy.com/contact-us\)](https://www.consumersenergy.com/contact-us)

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[Natural Gas Operations \(/About-Us/Natural-Gas-Operations\)](#)

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*Appliance Service Plan Is Not Regulated By The Michigan Public Service Commission. Appliance Service Plan Does Not Affect Your Regulated Utility Service.



August 27, 2025

Via Electronic Mail

Don L. Keskey, Esq.
Public Law Resource Center PLLC
University Office Place
333 Albert Avenue, Suite 425
East Lansing, MI 48823

RE: Case No. U-21870 – In the matter of the application of Consumers Energy Company for authority to increase its rates for the generation and distribution of electricity and for other relief.

Dear Mr. Keskey:

Attached to this letter are copies of the following documents:

- Consumers Energy Company's response to 21870-GLREA-CE-0283-0286, 0294, and 0300.

A Proof of service has been electronically filed in this docket. Please contact me if you have any questions regarding this matter.

Sincerely,

Gary A. Gensch, Jr.

CC Parties Per Attachment 1 to the Proof of Service

U21870-GLREA-CE-0283
 Page 1 of 2

Question:

14. Please provide all data that shows peak demand reduction as measured at the meter, not deemed from a technical reference manual, from existing energy efficiency, demand response, and VPP programs for the past three years.

- a. Please share the calculated, modeled, deemed peak impacts from existing energy efficiency, demand response, and VPP programs for the past three years.
- b. Please share the methodology for measuring impacts at the meter that has been used for these programs
- c. Please share the research done to show the effectiveness and accuracy of the M&V methodology used to measure peak impacts of existing programs.

Response:

Regarding energy efficiency, the Company uses the State of Michigan’s technical resource manual, the Michigan Energy Measures Database (“MEMD”), to determine demand savings from its Energy Waste Reduction (“EWR”) measures. All data on EWR impacts, measurement methodology and Evaluation, Measurement & Verification (“EM&V”) effectiveness can be found in the Company’s annual filings for the last three years: Case Nos. U-21671, U-21557, and U-21312.

- a. Below are the data from Demand Response (“DR”) events for the last three years:

Program	Segment	Event Date	Avg MW Savings	Peak MW Savings
ACPC	Res	06-15-2022	27.7	31.2
ACPC	Res	06-21-2022	36.9	42.2
ACPC	Res	07-19-2022	35.0	37.5
ACPC	Res	07-21-2022	39.2	40.5
DPP	Res CPP	06-15-2022	2.3	2.5
DPP	Res CPP	06-21-2022	2.8	3.2
DPP	Res CPP	06-22-2022	2.1	2.4
DPP	Res CPP	07-19-2022	2.3	2.4
DPP	Res CPP	07-21-2022	1.9	2.4
DPP	Res PTR	06-15-2022	9.0	10.4
DPP	Res PTR	06-21-2022	10.2	11.4
DPP	Res PTR	06-22-2022	10.3	11.4
DPP	Res PTR	07-19-2022	10.0	10.5
DPP	Res PTR	07-21-2022	9.2	10.3
STP	Res	06-15-2022	29.2	36.2
STP	Res	06-21-2022	19.9	24.2
STP	Res	07-19-2022	28.5	34.8

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STP	Res	07-21-2022	20.4	22.9
ACPC	Res	08-24-2023	18.2	21.3
ACPC	Res	07-31-2024	41.0	43.1
ACPC	Res	08-27-2024	36.3	41.7
STP	Res	07-31-2024	38.4	48.9
STP	Res	08-27-2024	46.0	51.0
Note: Peak demand reduction is not applicable to DG.				

- b. DR--The Company's 3rd party evaluator, Cadmus, compares event participants' (i.e. the treatment group's) energy consumption with that of a randomized participant control group using a regression analysis designed to identify peak demand reduction. Detailed descriptions of the methodologies used to estimate program impacts can be found in the AC Peak Cycling, Smart Thermostat Program and Dynamic Peak Pricing evaluation reports included with the Company's 2022 DR Reconciliation filing Case No. U-21410.
- c. DR--Randomized controlled trial design is standard for program evaluation, measurement and verification as it produces an unbiased estimate of the program's impacts on peak demand and energy consumption. In addition, Cadmus regularly reassesses the composition of the control groups to ensure they are representative of the larger participant populations in each program.

Witness: Alex M. Gast
Date: August 27, 2025

U21870-GLREA-CE-0284
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Question:

15. For each existing residential program (energy efficiency, Demand Response, DER, or VPP), please provide the following measured data:

- a. The total number of enrolled customers and devices.
- b. The average and maximum load reduction achieved during a peak event.
- c. The value to the grid delivered, company cost savings, customer incentives.
- d. The number of events dispatched in the last 3 years, and the duration of each event called.
- e. The dispatch success rate (i.e., the percentage of devices that responded as expected).
- f. What criteria are used to trigger a demand response event? Is it based on a pre-determined schedule, or is it in response to realtime grid conditions?

Response:

The Company has provided responses below for its demand response programs. For energy efficiency, please see the Company's annual Energy Waste Reduction Reconciliation filings, the most recent is MPSC Case No. U-21671¹.

- a. DR-Enrollment numbers as of 8/18/2025:
STP: 64,117 customers, 67,827 devices
ACPC: 87,403 customers, 87,443 devices
DPP: 198,419 customers (PTR:173,559 / CPP: 24,860)

Distributed Generation ("DG") - As of July 30, 2025, Consumers Energy has 12,279 customers enrolled in its Distributed Generation Programs (including legacy net metering customers).

- b. Please see the Company's response to U21870-GLREA-CE-0283
DG-N/a
- c. Customer incentives for Residential DR programs:
 - ACPC: \$5 monthly bill credit during the months of June, July, and August.
 - DPP:
 - PTR – incentives are provided as bill credits, based on the energy saved during called DR events. The customer receives \$1/kWh curtailed when compared to the baseline (similar weather day conditions) of previous usage.
 - CPP – on average, customers receive between a 10%-20% discount during off-peak consumption in the summer season, compared to the standard residential

¹ [068cs00000rkXp1AAE](#)

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 Page 2 of 2

rate. During a Critical Peak Pricing event, customers will be charged a higher rate of \$1/kWh for any electricity used during the event window between 2pm-6pm.

- STP: \$50 up-front, \$25 annual

DG-- From January 1, 2025 to July 30, 2025, Distributed Generation programs have exported 35,263 MWh of excess energy generated to the grid.

d.

Year	Program	# of Events	Time of Events
2022	ACPC	4	4pm-6pm, 2pm-6pm, 2pm-6pm, 2pm-6pm
2022	CPP	5	2pm-6pm (all five events)
2022	PTR	5	2pm-6pm (all five events)
2022	STP	4	2pm-6pm (all four events)
2023	ACPC	1	4pm-7pm
2024	ACPC	2	3pm-7pm, 3pm-5pm
2024	STP	2	3pm-7pm, 3pm-5pm
2025	ACPC	1	2pm-4pm
2025	STP	1	2pm-4pm

DG—N/a

e. DR--

- ACPC
 - i. 2022-2025: 98% dispatched successfully with ZigBee switches each year
- STP
 - ii. 2022: 99.4% dispatched successfully across the four events
 - iii. 2024: 99.4% dispatched successfully across the two events
 - iv. 2025: 99.5% dispatched successfully

DG—N/a

f. DR--

- I. Real-time grid conditions and annual MISO LMR testing requirements
- II. DR Event Triggers for real-time grid conditions:
 - MISO Operating margin less than 5%
 - MISO peak hour load forecast > 117,500 MW
 - Consumers load of 27,000 MW for four consecutive hours

DG—N/a

Witness: Alex M. Gast
Date: August 27, 2025

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Question:

16. What is the total cost of residential programs (energy efficiency, Demand Response, DER, or VPP) programs to date?

- a. Please provide a detailed breakdown of how the measured peak impacts have resulted in tangible benefits for ratepayers, such as avoided or deferred Generation, Transmission, and Distribution upgrades.

Response:

Please see the Company's annual Energy Waste Reduction reconciliation filings for details on energy efficiency programs.

The Company's DR program from 2015 through 2024 has cost about \$136 million.

- a. For DR, the Company considers the value to customers in terms of capacity. This capacity value is estimated at 75% of MISO's planning year Cost of New Entry ("CONE"), \$95,351 per MW-year. In 2024, the total residential DR portfolio was valued at about \$11 million.

No data available for Distributed Generation.

Witness: Alex M. Gast

Date: August 27, 2025

U21870-GLREA-CE-0286
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Question:

17. What metrics does the company use to measure customer satisfaction with these programs?
- a. Are there any data on customer churn rates or complaints related to the programs' operations?

Response:

Consumers Energy tracks customer satisfaction and experience with its residential and business EWR portfolios via online surveys implemented by 3rd party evaluators Cadmus and TRC. The surveys track a wide range of metrics tied to the customer experience including overall satisfaction with products & the Customer Experience Index as well as specific elements that vary across products (e.g., satisfaction with equipment quality, assessor professionalism, timeliness of rebate delivery, etc.). Further details can be found in the full reports that Consumers Energy submits for all residential and business customer survey research each year as part of its EWR Annual Reconciliation.

For DR, the Company uses a series of notification and surveys, customer satisfaction metrics include:

- Customer Effort
- Overall Satisfaction (based on a 10-point scale, where 1 meant not at all satisfied and 10 meant very satisfied)
- Customer Experience Index ("CXi").

For DG, the Company offers multiple satisfaction surveys throughout its interconnection process for DG program participants, which are reviewed weekly. The Company collects data on customer complaints regarding its DG program.

- a. The Company does have data on complaints for EWR, DR and DG.

	EWR & DR	DG
2023	21	31
2024	18	37
2025 year-to-date	13	15

Witness: Alex M. Gast
Date: August 27, 2025

U21870-GLREA-CE-0294
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Question:

25. What is the company's stance on working with third-party aggregators of EE, DR, and DER assets?
- a. What is the current process for these third parties to interact with the company's systems and enroll customers?
 - b. What, if any, are the company's plans to develop a market for VPP services?

Response:

Aggregators can help expand customer participation and improve performance, while Consumers Energy provides the framework, oversight, and data needed to ensure consistent reliable results. The Company generally appreciates processes that allow for efficient data transfer to facilitate reviews and coordination with third-party aggregators.

- a. At present, third-party aggregators do not have direct access to Consumers Energy's internal program or customer relationship management ("CRM") systems. Instead, aggregators work directly with customers to complete the required program documentation, including obtaining necessary signatures. These completed forms are then submitted via email to Consumers Energy's Sales and the Demand Response Operations ("DR OPS") teams for review and processing. Prior to enrollment, the DR OPS team evaluates and confirms an appropriate nomination amount based on customer data and operational insights. Additionally, aggregators support customers in automating their Energy Reduction Plans ("ERPs"), which facilitates more consistent and reliable participation in the program.

Existing DG processes are managed through MISO, and the Company only validates MISO-controlled enrollments.

- b. The Company views Virtual Power Plant (currently its EWR and DR programs) services as important to grid reliability and customer engagement. The Company's current focus is on regulatory alignment, customer participation, and technology partnerships, while continuing to benchmark and research best practices to build a sustainable market.

Witness: Alex M. Gast

Date: August 27, 2025

U21870-GLREA-CE-0300

Page 1 of 1

Question:

31. What process does the company undergo to provide settlement to participating customers and aggregators in EE, DR, and DER programs?

a. What is the timeline for an individual payment after an installation, event, measurement period?

Response:

For EE, please see the Company's annual Energy Waste Reduction Reconciliation filings, the most recent is MPSC Case No. U-21671¹.

For DR please reference my testimony starting at page 10, line 15 through page 18, line 17.

DG has an automated process to bill/credit on meter registers in SAP. Participating DG customers receive credit for accrued excess generation monthly on their energy bill for a given account.

Witness: Alex M. Gast

Date: August 27, 2025

¹ [068cs00000rkXp1AAE](#)



August 28, 2025

Via Electronic Mail

Don L. Keskey, Esq.
Public Law Resource Center PLLC
University Office Place
333 Albert Avenue, Suite 425
East Lansing, MI 48823

RE: Case No. U-21870 – In the matter of the application of Consumers Energy Company for authority to increase its rates for the generation and distribution of electricity and for other relief.

Dear Mr. Keskey:

Attached to this letter are copies of the following documents:

- Consumers Energy Company's response to 21870-GLREA-CE-0279 and 0290.

A Proof of service has been electronically filed in this docket. Please contact me if you have any questions regarding this matter.

Sincerely,

Gary A. Gensch, Jr.

CC Parties Per Attachment 1 to the Proof of Service

Question:

10. How is the company incorporating VPPs into its load forecasting and long-term resource planning models?

- a. How are VPPs considered as an alternative to traditional generation or transmission and distribution (T&D) infrastructure? Why?
- b. What level of cost and cost deferment has been assessed for VPP delivery?

Response:

See also the response of Company witness Mike Kelly.

For purposes of responding to this question, the Company is providing context to its Demand Response (“DR”) program. The Company does not forecast DR in its real-time load forecasts. The Company registers DR in the annual MISO Planning Resource Auction and it includes DR in its Integrated Resource Plan (“IRP”).

- a. DR is considered as an alternative to traditional generation in IRP modeling for purposes of obtaining Commission approval of DR program costs.
- b. The levelized cost of DR is compared to the Cost of New Entry since the primary benefit is provision of capacity.

Witness: RICHARD T. BLUMENSTOCK

Date: August 28, 2025

U21870-GLREA-CE-0279 (Partial)
Page 1 of 1

Question:

10. How is the company incorporating VPPs into its load forecasting and long-term resource planning models?

- a. How are VPPs considered as an alternative to traditional generation or transmission and distribution (T&D) infrastructure? Why?
- b. What level of cost and cost deferment has been assessed for VPP delivery?

Response:

Please also refer to the response of Company witness Blumenstock.

- a. The Company is not currently considering VPPs as alternatives to traditional distribution infrastructure.
- b. No such assessments have been made regarding electric distribution.

Witness: Michael P. Kelly

Date: August 27, 2025

Question:

21. How is the company evaluating VPPs and other EE, DR, and DERs as potential non-wires alternatives to traditional Generation, Transmission, and Distribution infrastructure investments?

a. Please provide examples of any Generation, Transmission, and Distribution projects that have been deferred or replaced by EE, DR, DER, or VPP projects.

Response:

a. When the Company performs modeling for capacity sufficiency it includes known Demand Response (DR) and Energy Waste Reduction (EWR) resources and plans future such resources based upon that model. No specific generation resources have been avoided using that methodology; however, additional capacity resources (either owned or contracted) would have been required without the inclusion of DR and EWR.

Witness: RICHARD T. BLUMENSTOCK

Date: August 28, 2025

U21870-GLREA-CE-0290 (Partial)
Page 1 of 1

Question:

21. How is the company evaluating VPPs and other EE, DR, and DERs as potential non-wires alternatives to traditional Generation, Transmission, and Distribution infrastructure investments?

- a. Please provide examples of any Generation, Transmission, and Distribution projects that have been deferred or replaced by EE, DR, DER, or VPP projects.

Response:

The Company's view on non-wires alternatives (also called non-wires solutions, or "NWS") for distribution investments are discussed on page 47, line 19, through page 48, line 22, of my direct testimony. Further details on this were provided in discovery response 21870-MEIU-CE-0049. As stated therein, the Company is planning a new NWS pilot to be presented in a separate filing.

Because the Company does not own or operate transmission assets, the Company does not have a view regarding the use of NWS for transmission investments.

- a. The Company does not have any such examples to date related to distribution. As stated in my direct testimony, the Company conducted two pilots in 2017-2018 and 2019-2021, but neither pilot resulted in the deferral of needed distribution investments.

Witness: Michael P. Kelly

Date: August 27, 2025



August 28, 2025

Via Electronic Mail

Don L. Keskey, Esq.
Public Law Resource Center PLLC
University Office Place
333 Albert Avenue, Suite 425
East Lansing, MI 48823

RE: Case No. U-21870 – In the matter of the application of Consumers Energy Company for authority to increase its rates for the generation and distribution of electricity and for other relief.

Dear Mr. Keskey:

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- Consumers Energy Company's response to 21870-GLREA-CE-0279 and 0290.

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Sincerely,

Gary A. Gensch, Jr.

CC Parties Per Attachment 1 to the Proof of Service

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Response:

See also the response of Company witness Mike Kelly.

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- a. DR is considered as an alternative to traditional generation in IRP modeling for purposes of obtaining Commission approval of DR program costs.
- b. The levelized cost of DR is compared to the Cost of New Entry since the primary benefit is provision of capacity.

Witness: RICHARD T. BLUMENSTOCK

Date: August 28, 2025

U21870-GLREA-CE-0279 (Partial)
Page 1 of 1

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- a. How are VPPs considered as an alternative to traditional generation or transmission and distribution (T&D) infrastructure? Why?
- b. What level of cost and cost deferment has been assessed for VPP delivery?

Response:

Please also refer to the response of Company witness Blumenstock.

- a. The Company is not currently considering VPPs as alternatives to traditional distribution infrastructure.
- b. No such assessments have been made regarding electric distribution.

Witness: Michael P. Kelly

Date: August 27, 2025

Question:

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a. Please provide examples of any Generation, Transmission, and Distribution projects that have been deferred or replaced by EE, DR, DER, or VPP projects.

Response:

a. When the Company performs modeling for capacity sufficiency it includes known Demand Response (DR) and Energy Waste Reduction (EWR) resources and plans future such resources based upon that model. No specific generation resources have been avoided using that methodology; however, additional capacity resources (either owned or contracted) would have been required without the inclusion of DR and EWR.

Witness: RICHARD T. BLUMENSTOCK

Date: August 28, 2025

U21870-GLREA-CE-0290 (Partial)
Page 1 of 1

Question:

21. How is the company evaluating VPPs and other EE, DR, and DERs as potential non-wires alternatives to traditional Generation, Transmission, and Distribution infrastructure investments?

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Response:

The Company's view on non-wires alternatives (also called non-wires solutions, or "NWS") for distribution investments are discussed on page 47, line 19, through page 48, line 22, of my direct testimony. Further details on this were provided in discovery response 21870-MEIU-CE-0049. As stated therein, the Company is planning a new NWS pilot to be presented in a separate filing.

Because the Company does not own or operate transmission assets, the Company does not have a view regarding the use of NWS for transmission investments.

- a. The Company does not have any such examples to date related to distribution. As stated in my direct testimony, the Company conducted two pilots in 2017-2018 and 2019-2021, but neither pilot resulted in the deferral of needed distribution investments.

Witness: Michael P. Kelly

Date: August 27, 2025

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the application of
CONSUMERS ENERGY COMPANY for
authority to increase its rates for the generation
and distribution of electricity and for other relief

Case No. **U-21870**

REVISED
EXHIBIT GLREA-3

TO TESTIMONY OF
RICHARD BOEHNKE

On Behalf of

Great Lakes Renewable Energy

Association



September 24, 2025

Via Electronic Mail

Don L. Keskey, Esq.
Public Law Resource Center PLLC
University Office Place
333 Albert Avenue, Suite 425
East Lansing, MI 48823

RE: Case No. U-21870 – In the matter of the application of Consumers Energy Company for authority to increase its rates for the generation and distribution of electricity and for other relief.


Dear Mr. Keskey:

Attached to this letter are copies of the following documents:

- A copy of your September 11, 2025 interrogatories with our internal numbering system annotated in the margins; and
- Consumers Energy Company's responses to 21870-GLREA-CE-0719-0727.

A Proof of service has been electronically filed in this docket. Please contact me if you have any questions regarding this matter.

Sincerely,

 Digitally signed by Gary A. Gensch, Jr.
Date: 2025.09.24 10:35:56 -04'00'

Gary A. Gensch Jr.
Phone: 517-788-0698
Email: gary.genschjr@cmsenergy.com

CC Parties Per Attachment 1 to the Proof of Service

STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the application of
CONSUMERS ENERGY COMPANY
for authority to increase its rates for the generation
and distribution of electricity and for other relief

Case No. **U-21870**

**SECOND DISCOVERY REQUEST OF
THE GREAT LAKES RENEWABLE ENERGY ASSOCIATION
TO CONSUMERS ENERGY COMPANY**

TO: mpsc.filings@cmsenergy.com
Gary A. Gensch, Jr. (garygenschjr@cmsenergy.com)
Anne M. Uitvlugt (anne.uitvlugt@cmsenergy.com)
Bret A. Totoraitis (bret.totoraitis@cmsenergy.com)
Evan B. Keimach (evan.keimach@cmsenergy.com)
Spencer A. Sattler (spencer.sattler@cmsenergy.com)
Mark R. Ruskewicz (mark.ruskewicz@cmsenergy.com)

The Great Lakes Renewable Energy Association (GLREA) serves this Second Discovery Request upon Consumers Energy Company. Please serve copies of all responses, attachments, and documents to GLREA counsel Don L. Keskey at **donkeskey@publiclawresourcecenter.com** and to GLREA Experts Richard Boehnke at **rick.boehnke@gmail.com**, John Richter at **johnrichter@pm.me** and Robert Rafson at **rob@charthouseenergy.com**.

INTERROGATORIES AND REQUESTS FOR DOCUMENTS

21870-GLREA-CE-0719

34. Why are “Non-wire alternatives are not mature enough to adequately address the specific reliability issues” regarding the LVD Substations Reliability sub-program?
- a. What data, publications, conferences, and/or experts are supporting this claim?

- b. What would be required to show non-wire alternatives are mature enough?

21870-GLREA-CE-0720

- 35. For which company initiatives are non-wire alternatives considered mature enough to deliver impacts?

21870-GLREA-CE-0721

- 36. How has the company developed programs to implement NWS beyond the two pilot programs of 2017-2018 and 2019-2021?

- a. How have current programs impacted and/or supported utility planning and delivered benefits to the distribution or transmission grids?
- b. What does the company intend to demonstrate with the new NWS pilot of 2025?

21870-GLREA-CE-0722^c

- c. How does the company plan to scale the impacts from the 2025 pilot?
- 37. What methodology does the company use to measure impacts from DR programs?

- a. In discovery, it was said that for the “Smart Thermostat Demand Response program, usage data is collected from the meter during demand response events to evaluate load reduction.” What is the M&V process used to evaluate load reduction?

21870-GLREA-CE-0723

- 38. How does the company use its DR portfolio comprising both business and residential programs to impact peak demand?

- a. What are the impacts of this portfolio that have been used to direct infrastructure planning, utility procurement, or other capital expenditures?

21870-GLREA-CE-0724

39. How are demand reductions, as those that could be delivered through energy efficiency measures, considered as resources for utility planning for affordability, reliability, and resilience when focusing on:

- a. Capacity?
- b. Peak Reductions?
- c. Infrastructure Planning/Budgets or Upgrades?
- d. Other Grid Benefits?
- e. Capital Expenditures

21870-GLREA-CE-0725

40. How does the company intend to use the BCA tool to support assessments, planning, and delivery of affordable, reliable, and resilient services?

21870-GLREA-CE-0726

41. Why is the company focused on DERMS as opposed to 3rd-party aggregation of systems?

- a. Has the company considered licensing Kraken software from Octopus Energy to provide customers with great transparency and control over their energy?

21870-GLREA-CE-0727

42. How has the company engaged with the Mercury Consortium (<https://msites.epri.com/mercury-consortium>) or used insights or guidelines to build programs?

Respectfully submitted,

Don L. Keskey

Don L. Keskey (P23003)
Public Law Resource Center PLLC
University Office Place
333 Albert Avenue, Suite 425
East Lansing, MI 48823
Telephone: (517) 999-7572
E-mail: donkeskey@publiclawresourcecenter.com

Dated: September 11, 2025

U21870-GLREA-CE-0719
Page 1 of 1

Question:

34. Why are “Non-wire alternatives are not mature enough to adequately address the specific reliability issues” regarding the LVD Substations Reliability sub-program?
- a. What data, publications, conferences, and/or experts are supporting this claim?
 - b. What would be required to show non-wire alternatives are mature enough?

Response:

- a. As Company witness Kelly discusses on page 47, line 19, through page 48, line 11, of his direct testimony, the Company’s own experience with NWS pilots has shown that deploying NWS and generating benefits would prove difficult. Because of this, there are not, as this time, any off-the-shelf NWS options available to improve reliability, whether on LVD substations or another part of the distribution system.
- b. As Company witness Kelly explains on page 48 of his direct testimony, the Company plans to develop a new NWS pilot that may explore how NWS can improve reliability. The results of this pilot, when complete, will provide a gauge of NWS maturity.

Note that, as described on page 131 of my direct testimony, NWS are considered in LVD Substation capacity planning. Potential NWS currently include Demand Response, Battery Systems, and Solar Systems. For substation capacity projects evaluated over the last few years, the Company has found that NWS could not meet the project schedule needs, could not meet system capacity needs, and/or were significantly more expensive than traditional utility substation solutions.

Witness: Megan L. Hayward
Date: September 24, 2025

U21870-GLREA-CE-0720
Page 1 of 1

Question:

35. For which company initiatives are non-wire alternatives considered mature enough to deliver impacts?

Response:

As Company witness Hayward discusses on page 131 of her direct testimony, the Company does evaluate NWS when considering LVD Substations Capacity projects. Otherwise, the purpose of the NWS pilot discussed on page 48 of my direct testimony will be to identify if there are any other use cases where NWS can deliver benefits.

Witness: Michael P. Kelly
Date: September 24, 2025

U21870-GLREA-CE-0721

Page 1 of 1

Question:

36. How has the company developed programs to implement NWS beyond the two pilot programs of 2017-2018 and 2019-2021?

- a. How have current programs impacted and/or supported utility planning and delivered benefits to the distribution or transmission grids?
- b. What does the company intend to demonstrate with the new NWS pilot of 2025?
- c. How does the company plan to scale the impacts from the 2025 pilot?

Response:

The Company has not explicitly developed NWS beyond the two pilots referenced. The Company does continue to develop programs such as demand response, energy efficiency, etc. that could provide NWS applications, in theory, although the earlier pilots demonstrated that doing so would be difficult to do.

- a. The Company's current distribution investment programs all impact the distribution grid and deliver grid benefits. Each investment program impacts the grid and provides benefits in different ways, all of which may be summarized by the description of the Company's distribution system objectives on page 8, line 11, through page 9, line 7 of my direct testimony.
- b. The Company's NWS pilot design is still in development. The pilot will be consistent with the Company's approved workplan in U-21500 under Focus Area 2: Grid Reliability and Resiliency.
- c. The Company will determine how, and if, to scale its pilot once the pilot results have been obtained and analyzed.

Witness: Michael P. Kelly

Date: September 24, 2025

U21870-GLREA-CE-0722
Page 1 of 2

Question:

37. What methodology does the company use to measure impacts from DR programs?

- a. In discovery, it was said that for the “Smart Thermostat Demand Response program, usage data is collected from the meter during demand response events to evaluate load reduction.” What is the M&V process used to evaluate load reduction?

Response:

The M&V process, conducted by the Company’s third-party evaluator, Cadmus, assesses meter data to determine load reduction during Smart Thermostat Program demand response events by comparing treated customers’ actual energy usage during the event to that of a randomized control group using a difference-in-differences model to estimate what usage would have been in the absence of the event. See below for detailed methodological descriptions excerpted from the Residential Smart Thermostat Program Summer 2022 Evaluation Results (pages 13-14) included with the Company’s 2022 DR Reconciliation filing.

Methodology

To estimate the impact of the thermostat demand response treatment during program events, the Cadmus team compared event participants’ energy consumption with that of a randomized participant control group using a regression analysis designed to identify peak demand reduction.

Event Implementation

To estimate program impacts, the Cadmus team worked with Consumers Energy and the implementation contractor to execute a randomized controlled trial, which involved randomly assigning participants to a treatment or control group prior to each event. Treatment group customers were called for a given event, while control group customers were not. The implementation contractor re-randomized customers prior to each event, so participants were not necessarily assigned to the same group throughout the season. The Cadmus team reviewed the implementer’s randomization process before the start of the event season and concluded that it adhered to the randomized controlled trial design and would produce an unbiased estimate of the program’s impacts on peak demand and energy consumption.

Regression Model Specification

The Cadmus team used the following model specification to determine event-specific demand reduction. We clustered standard errors by customer account to control for within-customer correlations in electricity consumption.

U21870-GLREA-CE-0722
 Page 2 of 2

$$kW_{it} = \sum_{t=0}^T \beta_t Datetime_t + \sum_{k=0}^{23} \mu_k Hour_{kt} * I(Treat = 1)_i + \sum_{m=1}^M \sum_{k=0}^{23} \theta_{mk} Hour_{mkt} * I(Treat = 1)_i * I(Event = 1)_{mkt} + \sum_{j=1}^2 \sum_{k=0}^{23} \gamma_{jk} CDH_{it} + \varepsilon_{it}$$

Where:

- kW_{it} = Electricity consumption in kilowatts of customer i during date-hour t
- β_t = Datetime fixed effect or average load impact (kilowatt-hours per hour) of date-hour t on consumption per customer
- $Datetime_t$ = Indicator variable for date-hour (= 1 if date-hour t is the t th hour of the sample, $t=0, 1, 2, \dots, T$; = 0 otherwise)
- μ_k = Average effect per treatment group customer during non-event hour k
- $Hour_{kt}$ = Indicator variable for hour of the day (= 1 if date-hour t is the k th hour of the day, $k=0, 1, 2, \dots, 23$; = 0 otherwise)
- $I(Treat=1)_i$ = Indicator variable for assignment to treatment group (= 0 otherwise)
- θ_{mk} = Average load impact (kilowatt-hours per hour) per treatment customer during hour k of demand response event m
- $I(Event=1)_{mkt}$ = Indicator variable for program event hour (= 1 if date-hour t is the k th hour, $k=1,2,\dots,1$, of event m , $m=1, 2, \dots, M$; = 0 otherwise)
- γ_{jk} = Average effect of a cooling degree hour on consumption for a customer in group j (1=treatment, 2=control) in hour k
- CDH_{it} = Cooling degree hour for customer i in date-hour t for a base temperature of 65°F
- ε_{it} = The error term for customer i in date-hour t

Witness: Alex M. Gast
Date: September 23, 2025

U21870-GLREA-CE-0723

Page 1 of 1

Question:

38. How does the company use its DR portfolio comprising both business and residential programs to impact peak demand?

a. What are the impacts of this portfolio that have been used to direct infrastructure planning, utility procurement, or other capital expenditures?

Response:

The Company's DR portfolio provides significant peak demand impacts by enrolling customers who can curtail or shift load during system peak conditions. These resources deliver concentrated, predictable load reductions that directly support system reliability and capacity needs.

a. DR reduces the Company's reliance on additional capacity purchases by contributing accredited demand response resources into the MISO market. This helps manage procurement costs and improves alignment with the Company's resource adequacy obligations.

By mitigating peak demand growth, C&I DR contributes to deferring major capital investments in infrastructure, lowering long-term costs for customers.

Witness: Alex M. Gast

Date: September 19, 2025

U21870-GLREA-CE-0724
Page 1 of 1

Question:

39. How are demand reductions, as those that could be delivered through energy efficiency measures, considered as resources for utility planning for affordability, reliability, and resilience when focusing on:
- a. Capacity?
 - b. Peak Reductions?
 - c. Infrastructure Planning/Budgets or Upgrades?
 - d. Other Grid Benefits?
 - e. Capital Expenditures

Response:

Energy efficiency measures contribute to demand reduction and the Company's plans for affordability, reliability, and resilience by reducing the overall load of participating customers. The Company includes projected energy efficiency impacts in Integrated Resource Planning ("IRP") and State Reliability Mechanism ("SRM") capacity demonstration, reducing the total need for incremental energy and capacity resources. For more details on the impact of the Company's energy efficiency program, please see the Company's IRP, SRM, DR, and Energy Waste Reduction Plan filings.

Witness: Alex M. Gast

Date: September 23, 2025

U21870-GLREA-CE-0725
Page 1 of 1

Question:

40. How does the company intend to use the BCA tool to support assessments, planning, and delivery of affordable, reliable, and resilient services?

Response:

This response assumes that the “BCA tool” refers to the ongoing Michigan Public Service Commission sponsored Benefit-Cost Analysis Tool Collaborative¹. The Company is actively participating in the MPSC led BCA Tool Collaborative working group and intends to use the resulting BCA Tool framework in accordance with MPSC requirements following completion of the remaining development, testing, refinement, documentation, and release phases of the project.

Witness: Scott A. Mcphail

Date: September 24, 2025

¹ <https://www.michigan.gov/mpsc/commission/workgroups/benefit-cost-analysis-tool-collaborative>

U21870-GLREA-CE-0726
Page 1 of 1

Question:

41. Why is the company focused on DERMS as opposed to 3rd-party aggregation of systems?
- a. Has the company considered licensing Kraken software from Octopus Energy to provide customers with great transparency and control over their energy?

Response:

Objection of Counsel: Consumers Energy Company objects to this discovery request because it requires the adoption of an assumption related to licensing the Kraken software. Without waiving this objection, Consumers Energy responds as follows:

As noted on page 72 lines 10-12 of my direct testimony, edge DERMS and fleet DERMS are planned to be considered in the DER Optimization initiative. The Company intends to include an evaluation of third-party aggregation.

The Company has not performed an evaluation of the Kraken software.

Witness: Scott A. Mcphail
Date: September 24, 2025

U21870-GLREA-CE-0727
Page 1 of 1

Question:

42. How has the company engaged with the Mercury Consortium(<https://msites.epri.com/mercury-consortium>) or used insights or guidelines to build programs?

Response:

The Company has not engaged with this specific effort. However, the Company is involved with the overall EPRI Program 174: DER Integration.

Witness: Scott A. Mcphail
Date: September 24, 2025



October 31, 2025

Via Electronic Mail

Don L. Keskey, Esq.
Public Law Resource Center PLLC
University Office Place
333 Albert Avenue, Suite 425
East Lansing, MI 48823

RE: Case No. U-21870 – In the matter of the application of Consumers Energy Company for authority to increase its rates for the generation and distribution of electricity and for other relief.

Dear Mr. Keskey:

Attached to this letter are copies of the following documents:

- A copy of your October 24, 2025 interrogatories with our internal numbering system annotated in the margins; and
- Consumers Energy Company's response to 21870-GLREA-CE-0808 through 0824.

A Proof of service has been electronically filed in this docket. Please contact me if you have any questions regarding this matter.

Sincerely,

Gary A. Gensch Jr.
Phone: 517-788-0698
Email: gary.genschjr@cmsenergy.com

CC Parties Per Attachment 1 to the Proof of Service

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the application of
CONSUMERS ENERGY COMPANY
for authority to increase its rates for the generation
and distribution of electricity and for other relief

Case No. **U-21870**

**THIRD DISCOVERY REQUEST OF
THE GREAT LAKES RENEWABLE ENERGY ASSOCIATION
TO CONSUMERS ENERGY COMPANY**

TO: mpsc.filings@cmsenergy.com
Gary A. Gensch, Jr. (garygenschjr@cmsenergy.com)
Anne M. Uitvlugt (anne.uitvlugt@cmsenergy.com)
Bret A. Totoraitis (bret.totoraitis@cmsenergy.com)
Evan B. Keimach (evan.keimach@cmsenergy.com)
Spencer A. Sattler(spencer.sattler@cmsenergy.com)
Mark R. Ruskewicz (mark.ruskewicz@cmsenergy.com)

The Great Lakes Renewable Energy Association (GLREA) serves this Third Discovery Request upon Consumers Energy Company. Please serve copies of all responses, and document attachments, to GLREA counsel Don L. Keskey at donkeskey@publiclawresourcecenter.com and to GLREA Experts Richard Boehnke at rick.boehnke@gmail.com, John Richter at johnarichter@pm.me, and Robert Rafson at rob@charthouseenergy.com.

INTERROGATORIES AND REQUESTS FOR DOCUMENTS

21870-GLREA-CE-0808

43. Please define what the Company means by utility-grade services in the context of DERs and VPPs (e.g., minimum duration, response time, reliability metric, forecasting error tolerance).
- a. Provide the equivalent "utility-grade" performance standard for a gas peaker plant or battery storage that the Company currently relies upon.

- b. Please list the duration, cost, penalties, and loss of services that have occurred when “utility-grade” resources did not deliver when called upon to provide services in the last 5 years.

21870-GLREA-CE-0809

44. Please specify and list the technical gaps that currently prevent VPPs from being considered "mature" and "standardized" on the Consumers Energy system today.

- a. How have these gaps been identified and studied by the company?
- b. What metrics are used to quantify these gaps?
- c. What is the cost and time the company has estimated it would take to resolve each gap?
- d. Are these questions similarly considered when assessing other grid resources? If so, how? If not, why?

21870-GLREA-CE-0810

45. Has the Company performed any internal Benefit-Cost Analysis (BCA), Net Present Value (NPV) analysis, or cost-per-kW-year comparison that quantitatively demonstrates that VPPs, even at a pilot scale, are financially worse than the equivalent capacity from a proposed traditional generation asset?

- a. If yes, provide the study, all input assumptions (including capacity factor and operational life), and the sensitivity range analysis.
- b. If not, why not?

21870-GLREA-CE-0811

46. For the "risks to grid integrity and reliability" as discussed by Witness Scott A. McPhail II on page 813 lines 19-27 and page 814, lines 12-16:

- a. How have these risks to grid integrity and reliability been identified and studied by the company?
- b. Please list and provide a quantification of each risk
- c. Have the risks been estimated to increase the System Average Interruption Duration Index (SAIDI) or System Average Interruption Frequency Index (SAIFI)? If so, by how much?
- d. What are the projected dollar-per-year consequences (e.g., in terms of avoided or increased operational costs or customer minutes of interruption costs) the company has estimated for these risks?

- e. How do these risks compare to the costs, outage hours, and other risks borne by ratepayers today? By how much would adopting VPPs increase these risks?

21870-GLREA-CE-0812

47. Since the Company advocates waiting for industry standardization (e.g., EPRI's FlexIT), has the company identified and/or quantified the costs that Michigan ratepayers will incur, on a projected annual basis, due to delaying the implementation of VPPs?

21870-GLREA-CE-0813

48. Regarding the EPRI FlexIT initiative or similar standardization efforts, has the Company conducted an internal study, audit, or review to determine how the grid services provided by existing commercial VPPs (e.g., aggregated home batteries, smart thermostats, heat pumps, heat pump water heaters, EV charging, or other) currently operating in other states would specifically perform under MISO dispatch and in the Company's service territory? If yes, provide the documented analysis.

21870-GLREA-CE-0814

49. Explain how the Company can proceed with multi-million dollar investments in generation and distribution infrastructure (e.g., HVD/LVD Line Rebuilds, Substations) without evaluating the immediate and potentially lower-cost alternatives provided by DERs and VPPs in the context of this rate case.

- a. If the company has completed such an analysis, please share the report, assumptions, and calculations.

21870-GLREA-CE-0815

50. Provide a date by which the Company commits to filing proposed IRP modeling updates, in the appropriate docket (Case No. U-21570 or other docket) that incorporate VPP capacity and grid service values, regardless of the outcome of this case.

21870-GLREA-CE-0816

51. Confirm that the planned DERMS workgroup and subsequent BCA will fully evaluate VPPs in their capacity to provide the full stack of services (capacity, energy, ancillary, transmission/distribution deferral) as defined by the DOE.

- a. Provide a precise timeline (including a specific date) for the following milestones related to the DERMS Workgroup: (a) Issuance of Stakeholder Notice; (b) Final Meeting and Submission of Final BCA; and (c) Projected date for filing a request for cost recovery of DERMS in a future rate case.
- b. What progress has the working group made towards large-scale VPP implementation?

21870-GLREA-CE-0817

52. Why does the company assert a DERMS required for VPP implementation? What operational standards of existing VPP implementations pose unacceptable risks to grid stability?

- a. How have these risks been assessed by the company
- b. Please share any internal reports, assessments, or modelling detailing and quantifying the risks.

21870-GLREA-CE-0818

53. For the most recent IRP planning cycle, provide all internal modeling runs or screening analyses that explicitly included a VPP resource class. If a VPP resource was excluded from the final capacity expansion model, provide the documented justification and the name/date of the executive approval for that decision.

- a. If so, please provide all input assumptions (including capacity factor and operational life), and the sensitivity range analysis.

21870-GLREA-CE-0819

54. Provide all internal communications, reports, or studies that identify the unit cost (e.g., \$/kW/year or \$/MWh) the Company estimates would be reasonable to pay a VPP aggregator for specific grid services (e.g., load following, peak capacity, ancillary services).

- a. How are these costs calculated?
- b. How are they related to the avoided cost of infrastructure?

21870-GLREA-CE-0820

55. Provide all internal studies, tests, or simulations the Company has conducted to quantify the current reliability and dispatch uncertainty (e.g., non-compliance rate with dispatch signals) of a theoretical VPP operating on its system today.

21870-GLREA-CE-0821

56. For the "proprietary platforms" of VPP aggregators cited in the rebuttal, provide documentation showing every case since 2023 where the Company has rejected or faced

significant delays in a DER interconnection due solely to the aggregator's platform lacking the necessary "standardization" required by the Company.

21870-GLREA-CE-0822

57. Identify and provide all internal risk models, simulations, or worst-case scenario analyses completed by the Company since 2023 that model the consequence of a large-scale VPP (e.g., 50 MW aggregation) *failing to respond* to a critical grid signal. Include the input data for the scenario (e.g., estimated customer load affected, resulting voltage deviation, estimated system cost of failure).

21870-GLREA-CE-0823

58. Has the Company conducted an internal, documented review of the current technical capability and estimated available capacity (in MW) from existing residential DERs (e.g., aggregated residential batteries, smart water heaters, smart thermostats) that could be leveraged immediately as VPP capacity to address a system emergency? If yes, provide the documented review.

21870-GLREA-CE-0824

59. Provide the specific internal criteria, thresholds, and risk scoring methodology the Company uses to determine when a distribution-level capital project (e.g., a substation transformer upgrade or line rebuild) is deemed too risky to defer for a VPP/NWS solution. Quantify the risk consequence (e.g., expected damage cost, downtime) associated with each identified threshold.

Respectfully submitted,

Don L. Keskey

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Dated: October 24, 2025

Question:

- 43 Please define what the Company means by utility-grade services in the context of DERs and VPPs (e.g., minimum duration, response time, reliability metric, forecasting error tolerance).
- a. Provide the equivalent "utility-grade" performance standard for a gas peaker plant or battery storage that the Company currently relies upon.
 - b. Please list the duration, cost, penalties, and loss of services that have occurred when "utility-grade" resources did not deliver when called upon to provide services in the last 5 years.

Response:

The Company does not have a definition for the term "utility-grade" grid services. This term was introduced by GLREA witness Boehnke as one component of the definition of VPPs. In my rebuttal testimony beginning on page 14, I am simply stating that the conceptual VPP definition provided by these witnesses generally aligns with what we expect to be evaluated in the various external efforts underway that will inform and define the future capabilities of VPP, and the necessary technology investments that will be required to integrate them.

Witness: Scott A. Mcphail

Date: October 30, 2025

Question:

44. Please specify and list the technical gaps that currently prevent VPPs from being considered "mature" and "standardized" on the Consumers Energy system today.

- a. How have these gaps been identified and studied by the company?
- b. What metrics are used to quantify these gaps?
- c. What is the cost and time the company has estimated it would take to resolve each gap?
- d. Are these questions similarly considered when assessing other grid resources? If so, how? If not, why?

Response:

See my rebuttal testimony for further discussion on this topic. Technical Gaps that prevent VPPs from being considered mature and standardized include, but are not limited to:

1. No universal protocol for communication between DER devices and VPPs, or VPPs and Utility systems. See page 17 line 10 through page 18 line 10 of my rebuttal testimony for further discussion on gaps related to standardization.
2. Lack of a utility owned and operated centralized DERMS to enable any value streams beyond system-level energy and capacity from a VPP. See the VPP Profile Summary Tables on pages 14-17 of Rockcross Consulting and Berkeley Labs recent Virtual Power Plant Profiles and Inventory Report for further information on this.¹
3. Inconsistent Performance Metrics and Valuation of VPPs. The Company is not aware of metrics or standards such as IEEE 762 that govern the valuation and performance of VPPs.
4. Operational uncertainty. Unless enrolled in other utility customer programs, utilities may not know the capacity or locations of DER resources enrolled in a VPP within their service territory. Furthermore, there is not consistent firm commitment that DERs will respond as expected during grid emergencies due to latency, communication failures, or customer override decisions.

¹ https://eta-publications.lbl.gov/sites/default/files/2025-03/vpp_profiles_and_inventory_singl-pgs_fnl_3-25_rev.pdf

5. Cybersecurity – VPPs introduce several new attack surfaces due to reliance on digital platforms, IoT devices, and cloud-based coordination.
 - a. These gaps have been identified through benchmarking with industry peers, participation in industry forums such as EPRI’s DER Integration program, and independent research of reports.
 - b. The Company is not aware of metrics that quantify these gaps.
 - c. The cost and time to bridge each gap has not been estimated. As discussed in my testimony and referenced on page 24 through 27 of the DOE’s January 2025 “Pathways To Commercial Liftoff: Virtual Power Plants 2025 Update” report, several initiatives have recently commenced but are not yet complete.²
 - d. It is unclear what is meant by other grid services, but it is possible that similar questions may be applicable if similar technical gaps exist.

Witness: Scott A. Mcphail

Date: October 30, 2025

² Department of Energy, January 2025, “Pathways to Commercial Liftoff: VPPs 2025 Update” Accessed at https://virtual-peaker.com/wp-content/uploads/2025/09/2025-Jan-LIFTOFF_DOE_VirtualPowerPlantsUpdate.pdf

Question:

45 Has the Company performed any internal Benefit-Cost Analysis (BCA), NetPresent Value (NPV) analysis, or cost-per-kW-year comparison that quantitatively demonstrates that VPPs, even at a pilot scale, are financially worse than the equivalent capacity from a proposed traditional generation asset?

- a. If yes, provide the study, all input assumptions (including capacity factor and operational life), and the sensitivity range analysis.
- b. If not, why not?

Response:

No, the Company has not performed this analysis.

- a. See above.
- b. Please see page 14 lines 2-10 of my rebuttal testimony. In short, the Company is not requesting cost recovery in this case and standardization efforts for such analyses are underway as part of Case No. U-20898.

Witness: Scott A. Mcphail

Date: October 30, 2025

Question:

46. For the "risks to grid integrity and reliability" as discussed by Witness Scott A. McPhail II on page 813 lines 19-27 and page 814, lines 12-16:

- a. How have these risks to grid integrity and reliability been identified and studied by the company?
- b. Please list and provide a quantification of each risk
- c. Have the risks been estimated to increase the System Average Interruption Duration Index (SAIDI) or System Average Interruption Frequency Index (SAIFI)? If so, by how much?
- d. What are the projected dollar-per-year consequences (e.g., in terms of avoided or increased operational costs or customer minutes of interruption costs) the company has estimated for these risks?
- e. How do these risks compare to the costs, outage hours, and other risks borne by ratepayers today? By how much would adopting VPPs increase these risks?

Response:

- a. The referenced risks discussed in my rebuttal testimony are associated with mandated implementation of VPPs in the absence of standards and have been identified and studied by the Company in publicly available reports including the DOE's Pathways to Commercial Liftoff: Virtual Power Plants 2025 Update referenced throughout GLREA Witness Boehnke's testimony. See the discussion on pages 23 – 27 in the DOE's Pathways to Commercial Liftoff: Virtual Power Plants 2025 Update report for further discussion on the present lack of standards.
- b. While the Company has not quantified the risk, they relate to cybersecurity, interoperability, limited utility visibility and control, and the current lack of governing standards for VPPs. If grid reliability is dependent on an accurate and timely VPP response, then the VPP and all related integrations to operations must be vetted to ensure they can perform reliably under real-world conditions.
- c. This has not been estimated.
- d. This has not been estimated.
- e. These cost comparisons have not been performed.

Witness: Scott A. Mcphail

Date: October 30, 2025

Question:

47. Since the Company advocates waiting for industry standardization (e.g., EPRI's FlexIT), has the company identified and/or quantified the costs that Michigan ratepayers will incur, on a projected annual basis, due to delaying the implementation of VPPs?

Response:

The Company advocates waiting for industry standardization of VPPs prior to full scale implementation of VPPs. The Company has not identified whether there are costs associated with waiting for this standardization.

Witness: Scott A. Mcphail

Date: October 30, 2025

Question:

48. Regarding the EPRI FlexIT initiative or similar standardization efforts, has the Company conducted an internal study, audit, or review to determine how the grid services provided by existing commercial VPPs (e.g., aggregated home batteries, smart thermostats, heat pumps, heat pump water heaters, EV charging, or other) currently operating in other states would specifically perform under MISO dispatch and in the Company's service territory? If yes, provide the documented analysis.

Response:

The EPRI FlexIT initiative has not started yet but the Company intends to participate in this standardization effort. The Company has not conducted a study or audit on the performance of existing commercial VPPs in other states, relative to how they would perform in MISO or the Company's service territory.

Witness: Scott A. Mcphail

Date: October 30, 2025

Question:

49. Explain how the Company can proceed with multi-million dollar investments in generation and distribution infrastructure (e.g., HVD/LVD Line Rebuilds, Substations) without evaluating the immediate and potentially lower-cost alternatives provided by DERs and VPPs in the context of this rate case.
- a. If the company has completed such an analysis, please share thereport, assumptions, and calculations.

Response:

As outlined on page 45, line 3, through page 46, line 2, of my rebuttal testimony, the Company does not agree that there are “immediate” alternatives available through VPPs. Certain types of DERs, while they may provide some types of benefits, are also not available to immediately address grid reliability issues. See also page 52, line 16, through page 53, line 2, of my rebuttal testimony.

Witness: Michael P. Kelly

Date: October 29, 2025

Question:

50. Provide a date by which the Company commits to filing proposed IRP modeling updates, in the appropriate docket (Case No. U-21570 or other docket) that incorporate VPP capacity and grid service values, regardless of the outcome of this case.

Objection by Counsel: Consumers Energy objects to this discovery request on the grounds that it does not seek any discoverable facts, but rather demands certain commitments from the Company that it has no legal obligation to make. Subject to the Company's objection, and without waiving its objection, Consumers Energy responds as follows:

Response:

The Company plans to file comments regarding IRP, MIRPP, and clean energy filing requirements in Case No. U-21867 by October 31, 2025. The Company is not specifically filing comments in that case regarding VPP capacity. As stated in the rebuttal testimony of Company witnesses Michael Kelly and Scott McPhail, there is no standardized VPP model that would provide the necessary cost, benefits or operational performance to effectively model such a program within Michigan. Furthermore, a VPP program requires customer participation. At this time the Company has no data related to customer interest or capability to participate in such a program.

Witness: RICHARD T. BLUMENSTOCK

Date: October 29, 2025

Question:

51. Confirm that the planned DERMS workgroup and subsequent BCA will fully evaluate VPPs in their capacity to provide the full stack of services (capacity, energy, ancillary, transmission/distribution deferral) as defined by the DOE.

- a. Provide a precise timeline (including a specific date) for the following milestones related to the DERMS Workgroup: (a) Issuance of Stakeholder Notice; (b) Final Meeting and Submission of Final BCA; and (c) Projected date for filing a request for cost recovery of DERMS in a future rate case.
- b. What progress has the working group made towards large-scale VPP implementation?

Response:

The Company will comply with the Commission's order in Case No. U-21585 to evaluate VPPs prior to the request for DERMS funding, which is required to include an opportunity for interested persons to provide feedback and input into the business case. The details of the BCA have not been developed.

- a) The Company has not yet established a timeline for these activities.
- b) A workgroup has not yet been established.

Witness: Scott A. Mcphail

Date: October 30, 2025

Question:

52. Why does the company assert a DERMS required for VPP implementation? What operational standards of existing VPP implementations pose unacceptable risks to grid stability?

- a. How have these risks been assessed by the company
- b. Please share any internal reports, assessments, or modelling detailing and quantifying the risks.

Response:

A centralized DERMS and edge DERMS are required for VPP implementation when grid services extend beyond basic peak load shaving at the bulk system level. This assertion is supported by reports cited in my rebuttal testimony (see page 15 line 17 through page 16 line 16), as well as pages 9-17 of the Virtual Power Plant Profiles and Inventory¹ report by Lawrence Berkeley National Laboratory and Rockcross Consulting that GLREA witness Boehnke referenced on page 34 line 5 of his direct testimony.

The Company does not believe that existing VPP implementations, referred to as “Aggregated VPPs” on page 9 of the above Virtual Power Plant Profiles and Inventory report, currently pose unacceptable risks to grid stability. The Company offers such programs, such as through the Company’s Demand Response programs, to shave peak load at the system level today. However, concerns arise when VPPs are expected to deliver more advanced grid services without corresponding investment recovery for the utility hardware and software required to support “Integrated” or “Orchestrated” VPPs.

- a. See above.
- b. See above. The Company does not have internal reports, assessments or modeling detailing and quantifying the risks of existing VPP implementations.

Witness: Scott A. Mcphail

Date: October 30, 2025

¹ https://eta-publications.lbl.gov/sites/default/files/2025-03/vpp_profiles_and_inventory_singl-pgs_fnl_3-25_rev.pdf

Question:

53. For the most recent IRP planning cycle, provide all internal modeling runs or screening analyses that explicitly included a VPP resource class. If a VPP resource was excluded from the final capacity expansion model, provide the documented justification and the name/date of the executive approval for that decision.

- a. If so, please provide all input assumptions (including capacity factor and operational life), and the sensitivity range analysis.

Response:

Objection of Counsel: Consumers Energy Company objects to this discovery request on the grounds that the requested information is not relevant to this proceeding and not likely to lead to the discovery of admissible evidence. Subject to the Company's objection, and without waiving its objection, Consumers Energy responds as follows:

Consumers Energy will file its next IRP in 2026. Analysis in support of that filing is currently not complete. Detailed questions on modeling runs and screening analysis can be asked and addressed in the proceeding that supports the IRP filing.

Witness: RICHARD T. BLUMENSTOCK

Date: October 29, 2025

Question:

54. Provide all internal communications, reports, or studies that identify the unit cost (e.g., \$/kW/year or \$/MWh) the Company estimates would be reasonable to pay a VPP aggregator for specific grid services (e.g., load following, peak capacity, ancillary services).

a. How are these costs calculated?

Response:

The Company has not performed such analysis relative to VPP aggregators.

Witness: RICHARD T. BLUMENSTOCK

Date: October 29, 2025

Question:

55. Provide all internal studies, tests, or simulations the Company has conducted to quantify the current reliability and dispatch uncertainty (e.g., non-compliance rate with dispatch signals) of a theoretical VPP operating on its system today.

Response:

The Company has not performed internal studies, tests, or simulations that quantify the reliability or dispatch uncertainty (e.g., non-compliance rates with dispatch signals) of a theoretical VPP operating on its system. To the Company's knowledge, such metrics have not yet been comprehensively quantified in deliverables across the industry.

Witness: Scott A. Mcphail

Date: October 30, 2025

Question:

56 For the "proprietary platforms" of VPP aggregators cited in the rebuttal, provide documentation showing every case since 2023 where the Company has rejected or faced significant delays in a DER interconnection due solely to the aggregator's platform lacking the necessary "standardization" required by the Company.

Response:

The Company assumes the subject of the DER interconnection process referenced falls under the MPSC's Interconnection & Distributed Generation Standards. The Company has not rejected or faced significant delays in a DER interconnection due to the aggregator's platform lacking the necessary standardization, because at present:

- a technical specification for standardized utility-to-VPP/aggregator integration interfaces does not exist,
- The Company does not have a centralized DERMS for VPPs/Aggregators to integrate with, and
- Based on previously provided definitions of VPPs, demand response - described to be part of a VPP, is outside the scope of the DER interconnection process.

As discussed on page 17 line 18 through page 18 line 2 of my rebuttal testimony, developing a standard for core utility to VPP/Aggregator interfaces is one of the primary deliverables of EPRI's FlexIT initiative that is kicking off this year.

Witness: Scott A. Mcphail

Date: October 30, 2025

Question:

57. Identify and provide all internal risk models, simulations, or worst-case scenario analyses completed by the Company since 2023 that model the consequence of a large-scale VPP (e.g., 50 MW aggregation) failing to respond to a critical grid signal. Include the input data for the scenario (e.g., estimated customer load affected, resulting voltage deviation, estimated system cost of failure).

Response:

The Company assumes the context of this question is in regard to the distribution part of the system (Primary and Secondary voltages). The Company has not performed such analysis relative to VPP aggregators and any impacts on the distribution system. Current simulation models the Company uses do not have this capability to forecast and study the data points requested. Even if the simulation models could perform these studies, the Company would need to know the types of devices included in the large scale VPP aggregation, where they are located on the distribution system (substation/circuit) and what their load profile or behavior is to accurately model distribution circuit impacts.

Witness: Scott A. Mcphail

Date: October 30, 2025

Question:

58. Has the Company conducted an internal, documented review of the current technical capability and estimated available capacity (in MW) from existing residential DERs (e.g., aggregated residential batteries, smart water heaters, smart thermostats) that could be leveraged immediately as VPP capacity to address a system emergency? If yes, provide the documented review.

Response:

The Company operates two residential Demand Response (DR) programs that are registered as Load Modifying Resources (LMR) with MISO and are utilized in system emergency events. Listed below are the two programs and the registered Summer 2025 capacity:

- Smart Thermostat Program – 44 MW
- Air Conditioning Peak Cycling – 35 MW

For additional information on these programs, please see the Company's 2024 DR Reconciliation, Case No. U-21906.

Witness: Alex M. Gast

Date: October 30, 2025

Question:

59. Provide the specific internal criteria, thresholds, and risk scoring methodology the Company uses to determine when a distribution-level capital project (e.g., a substation transformer upgrade or line rebuild) is deemed too risky to defer for a VPP/NWS solution. Quantify the risk consequence (e.g., expected damage cost, downtime) associated with each identified threshold.

Response:

As Company witness Hayward explains on page 131 of her direct testimony, the Company evaluates non-wires solutions for LVD Substations Capacity sub-programs using criteria stated in her testimony. The Company has not developed criteria, thresholds, and risk scoring methodology for VPPs or non-wires solutions for other types of distribution capital projects because the Company does not believe, at present, that VPPs are viable options for many, if any, distribution capital projects as outlined on page 45, line 3, through page 46, line 2, of my rebuttal testimony. Similarly, the Company has not developed these details for non-wires solutions for most distribution capital projects, for reasons including those given on page 46, lines 12 through 21, of my rebuttal testimony.

Witness: Michael P. Kelly

Date: October 29, 2025