STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the application of **DTE ELECTRIC COMPANY** for authority to increase its rates for the generation and distribution of electricity and for other relief.	U-21860

TESTIMONY OF DENNIS STEPHENS

ON BEHALF OF

ATTORNEY GENERAL DANA NESSEL,
MICHIGAN ENVIRONMENTAL COUNCIL, AND
NATURAL RESOURCES DEFENSE COUNCIL

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DIRECT TESTIMONY OF DENNIS STEPHENS FOR AG-MN
CASE NO. U-21860

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I. INTRODUCTION, QUALIFICATIONS, PREVIEW AND PERSPECTIVE

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

A. My name is Dennis Stephens. I am an independent consultant specializing in electric and gas distribution operations, planning, technologies, asset management, and performance measurement. I frequently support the Wired Group in its work with clients. My business address is DS Consulting, 1153 Bergen Pkwy, Suite 130, Evergreen, CO 80439.

Q. On whose behalf is this testimony being offered?

A. I am testifying on behalf of the Michigan Attorney General (AG), Michigan Environmental Council (MEC), and Natural Resources Defense Council (NRDC), collectively referred to as "AG-MN".

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

A. After graduating from the University of Missouri with a bachelor's degree in Electrical Engineering, I began work for Xcel Energy (then Public Service Company of Colorado) in 1976 as an electrical engineer in distribution operations. In a series of electrical engineering and management roles of increasing responsibility, I gained experience in distribution planning, operations, and asset management, as well as the innovative use of technology to assist with these functions. Positions I've held over the years have included Director, Electric and Gas Operations for the City and County of Denver Colorado; Director, Asset Management; and Director, Innovation and Smart Grid Investments, for all of Xcel Energy.

In 2007, I was asked to lead parts of Xcel Energy's SmartGridCity™ demonstration project in Boulder, Colorado, the first of its kind at the time, covering 46,000 customers. I developed the technical foundations for the project, including the development of all

concepts presented to the Xcel Energy Executive Committee for project approval, and including the negotiations with technology vendors on their contributions to the project. As Director of Utility Innovations for Xcel Energy, I also worked with many software providers, including ABB, IBM, and Siemens, helping them develop their distribution automation ideas into practical software applications of value to grid owner/operators. I retired from Xcel Energy in 2011 and now work for the Wired Group on a part-time basis.

In the roles noted above, I was directly responsible for distribution grid reliability and service restoration, and indirectly responsible for grid reliability and service restoration in all of these roles. This is highly relevant in proceedings such as this one, in which grid reliability and resilience are significant considerations. For a good portion of my career at Public Service Company of Colorado, capital spending was constrained. My experience maintaining strong distribution grid reliability and resilience performance in the face of capital constraints is highly relevant to this testimony. My curricula vitae is attached as Ex. MNAG-DS-1.

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

A. I filed testimony in DTE Electric's two most recent rate cases (U-21297, U-21534). I am also known to the Michigan Public Service Commission (Commission) and Staff from other proceedings. Working with my Wired Group associate Paul Alvarez, we assisted the Association of Businesses Advocating for Tariff Equity (ABATE) develop several sets of Commentary filed by ABATE in recent years. In U-20147, we assisted ABATE develop Comments regarding (1) The development of five-year distribution plans in Michigan generally (September 11 and November 18, 2019); (2) Five-year distribution plans and

storm performance (October 1, 2021); (3) Consumers Energy's Distribution Infrastructure Investment Plan (June 23, 2021); and (4) DTE Electric Company's Distribution Grid Plan (September 29, 2021). We also assisted ABATE develop Comments in U-21122, the August 2021 storm reliability performance and distribution planning docket (September 24, 2021). Mr. Alvarez and I also gave a presentation on distribution planning and utility proposal cost-effectiveness testing, to include risk-informed benefit-cost analysis and risk-informed investment decision support, in a Staff-led workshop on distribution plan development held August 14, 2019.

In addition, I have testified on behalf of consumer, business, and environmental advocates in proceedings related to electric distribution utility planning, investment, performance, and regulation before 11 other state utility regulators in the past 10 years, including California, Georgia, Illinois, Indiana, Maryland, Massachusetts, North Carolina, Oklahoma, Utah, Virginia, and Washington. A complete list of proceedings in which I've submitted testimony to state utility regulators, with proceeding numbers and dates, can be found at Exhibit MNAG-DS-1.

Q. What is the purpose of your testimony?

A. I am testifying on behalf of AG-MN regarding the distribution capital spending proposed by DTE Electric Company ("DTE" or "Company") in the instant proceeding, described as strategic capital programs in the Company's 2023 Distribution Grid Plan ("DGP").[1] Cost

[1] Ex A-23 Sch M8 (hereinafter "DTE 2023 DGP").

recovery for many of these programs is proposed through rate base and the infrastructure recovery mechanism rider, or "IRM", the Company proposes to extend and expand.

Q. Are you sponsoring any exhibits?

A. Yes, I am sponsoring the following exhibits:

Exhibit MNAG-DS-1:	Curricula Vitae of Dennis Stephens
Exhibit MNAG-DS-2:	Reserved
Exhibit MNAG-DS-3:	Analysis of DA ineffectiveness
Exhibit MNAG-DS-4:	U-21845, Exhibit A-7
Exhibit MNAG-DS-5:	DTE response to MNSCDE-3.48
Exhibit MNAG-DS-6:	DTE response to MNSCDE-3.30b
Exhibit MNAG-DS-7:	U-21534, DTE responses to MNSCDE-3.26(a), (b) + Attachment U-21534 MNSCDE-3.26-01 Subtransmission Interruptions.
Exhibit MNAG-DS-8:	U-21534. Exhibit A-12 Schedule B5.4

Q. Please provide a preview of your testimony and recommendations.

A. This testimony examines multiple strategic capital programs described by Witnesses Kryscynski, Robinson, Stowe, Rademacher, and DeStigter, and in the Company's 2023 DGP and associated requests for cost recovery. While I will examine the Company's strategic capital programs from technical and financial perspectives, my Wired Group colleague Paul Alvarez, also testifying on behalf of AG-MN, examines the Company's proposals, and some of the models used to justify them, from policy and regulatory perspectives. Our two testimonies are best considered together as his testimony provides valuable context and perspective for my evaluations and recommendations.

My testimony is organized in the order presented in the table below, which also summarizes my recommendations for each item.

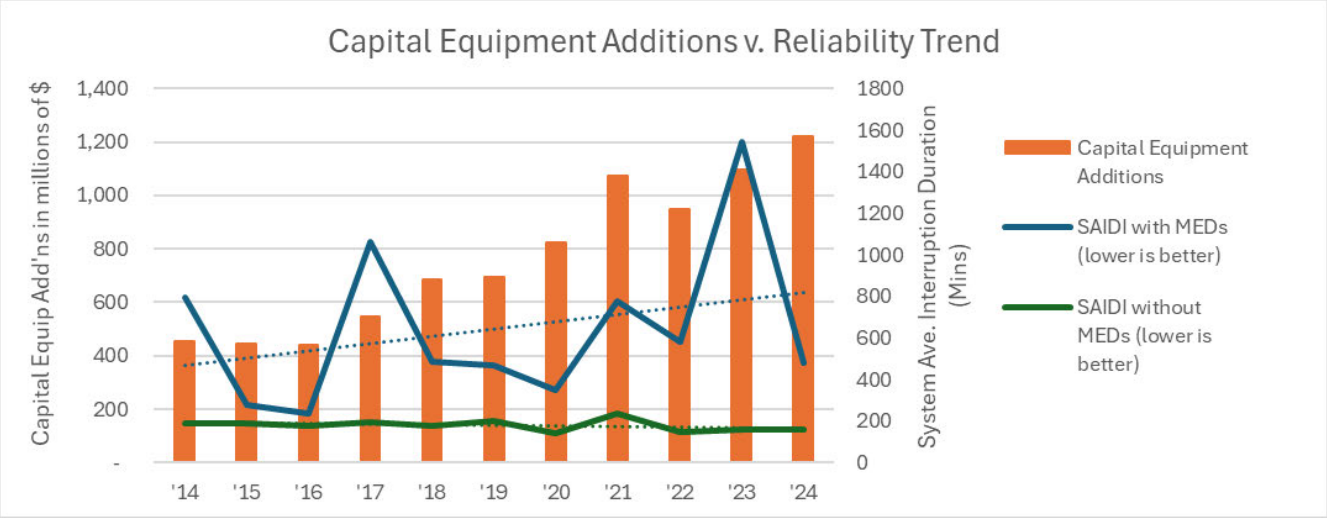
Spending Category	Summary of recommendations
Distribution Automation (No Silver Bullet)	1. Notify DTE that the Commission will not approve future requests to deploy distribution automation for reliability purposes until DTE maintenance backlogs (ETTP and PTMM) are cleared. 2. Order DTE to analyze the reliability results from existing deployments before approving additional capital for distribution automation related to reliability improvements. 3. Increase the $600 million reduction the auditor recommended to an $847 million reduction, consisting of a $735 million reduction in IRM spending requests 2027-2029 plus a $112 million reduction to DTE's $115.6 million distribution automation request for the 2026 test year. 4. Refuse to consider DTE's "Alternative" proposal to increase the 2026 IRM amount the Commission has already approved for $24.4 million to $140 million.
Subtransmission Redesign and Rebuild (Capital Projects in Search of Problems to Solve)	1. Reject DTE's request for $323.5 million in IRM spending 2027-2029; and 2. Require risk-informed benefit-cost analyses be completed before projects or programs over $10 million in total capital cost can be approved. 3. Refuse to consider DTE's "Alternative" proposal to increase the 2026 IRM amount the Commission has already approved for $53.8 million to $100 million.
System Loading (Costly and Premature Responses to Circuit Overloads)	1. Extend the requirement for greater support for Subtransmission Redesign and Rebuild projects that the Commission identified in its Order in U-21534 to

	System Loading projects (including the endorsement for risk-informed benefit-cost analysis); 2. Implement a circuit-specific load forecasting capability before DTE's next rate case; 3. Reduce DTE's $70.5 million 2026 test year request for the 12 projects unsupported by load growth ($45.3 million)
PTMM (A DTE Strategy to Capitalize Routine O&M Costs)	1. Relax visual poletop inspection frequency to once every 10 years (consistent with structural pole testing frequency). 2. Reiterate that DTE must comply with FERC's USOA unless specifically authorized otherwise. 3. Recognize that PTMM is a catch-up program (a la Surge), and require DTE to defer the $200 million 2026 test year PTMM request as a regulatory asset (in preparation for potential securitization funding) while earning only DTE's short term debt cost. 4. Reject DTE's request for $1.12 billion in IRM spending 2027-2029 (in preparation for potential securitization funding).
4.8kV (and 8.3kV) Circuit Conversions (Speed Should Be Tempered by Need)	1. Prohibit circuit and substation conversions absent bona-fide load forecasts indicating loads will exceed 90% of equipment ratings in the next three to five years. 2. Reduce 2026 test year spending by the $20.7 million proposed for the 8.3kV overhead and underground circuit conversions in Pontiac.
Strategic Undergrounding (throwing good money after bad)	End the strategic undergrounding pilot program and remove $14 million from the 2026 test year.

Q. Please provide relevant context for your testimony.

A. I make three critical observations for context. First, while previous Commissions have continued to provide DTE almost everything the Company has asked for in the name of improving reliability, reliability has not improved, and in fact has deteriorated. From ratemaking and cost-recovery innovations to the massive capital spending increases these have encouraged, DTE largely receives what it requests despite a lack of demonstrated success.[2] As Figure 1 below shows, massive increases in DTE capital spending have not been effective at improving DTE reliability.[3] Ratemaking innovations and massive capital spending increases have benefitted shareholders, not customers. Since ratemaking innovations and massive capital spending have not worked to date, the Commission should consider new directions and approaches for its oversight of DTE.

Figure 1: DTE Capital Equipment Additions Compared to Reliability Performance, 2014-2024



[2] The Commission's decision to deny DTE profits through capitalization of Surge (catch-up) Vegetation Management spending in U-20836 was a notable exception.
[3] Capital Equipment Additions from DTE's FERC Form 1; reliability data from DTE's EIA Form 861.

In apparent recognition of the Company's continuing reliability challenges despite massive capital spending, the Commission ordered an independent audit of the Company's infrastructure and routine operations (Audit Part 1), and of the Company's distribution system management, programs, processes, and standards that drive operational and investment decisions (Audit Part 2). My second contextual observation is that the Audit confirmed a great deal of my testimony and recommendations in the most recent two DTE rate cases. In this testimony I support my recommendations with the Auditor's findings wherever possible, and fully explain any differences between my recommendations and the Auditor's findings.

Third, based on the Auditor's report, it is apparent that increases in operations spending are more likely to secure improvements in reliability and resilience than the continuation of capital spending increases, which to date have failed to have an impact. Given that vegetation contact is responsible for most of the time DTE customers spend without power, and given that most of the time DTE customers spend without power is related to storms,[4] vegetation management spending and storm response spending offer the greatest reliability and resilience improvement opportunities for DTE customers.

[4] DTE Response to MNSCDE-1.1a Outages 2017-2024.

II. DISTRIBUTION AUTOMATION: NO SILVER BULLET

Q. Please preview this section of testimony.

A. I will summarize distribution automation technology and DTE's distribution automation proposal; present my assessment of DTE's proposal; summarize the Auditor's assessment of DTE's distribution automation proposal; and conclude with my recommendations.

Q. Please summarize distribution automation technology

A. The term "distribution automation" encompasses a variety of equipment types and technologies that automate tasks that utilities have historically completed manually. As one example, DTE's conservation voltage reduction program, which automates the operation of voltage regulators and other devices that DTE would otherwise operate manually, is consistent with a broad definition of distribution automation.

DTE uses the term to refer to the automatic reconfiguration of the grid in response to a fault or service interruption, either for safety or reliability purposes. The primary device installed on a distribution line to enable distribution automation is an automated recloser with enhanced logical and communications capabilities. These automated reclosers, which communicate with each other, open and close in a coordinated fashion to reconfigure the grid in response to service interruptions. The primary goal is to reduce the number of customers impacted by a service interruption, but in DTE's case, there are safety-related applications as well.

Q. How does DTE use reclosers for safety purposes?

A. As the Commission is aware, most of DTE's older 4.8kV circuits were designed and built without a neutral wire. This increases the risk that a circuit breaker will fail to open when

a wire touches the ground, leaving a downed wire energized. The reclosers DTE is employing for distribution automation are more sensitive to disturbances on a circuit than DTE's existing 4.8kV circuit breakers. The reclosers will therefore open (interrupting the flow of electricity) in response to a downed line in a circumstance in which DTE's existing 4.8kV circuit breakers might not. For this reason, DTE is installing a reclosers in or next to substations on all 4.8kV circuits without a neutral wire.

Though the energized downed wire risk is low,[5] and the use of reclosers in this manner might not be cost-effective, public safety is a priority. I am therefore not opposing the installation of reclosers on 4.8kV circuits without a neutral wire for safety purposes. However, DTE is also installing reclosers on these (and other) circuits to improve reliability. I have found that the costs and reliability benefits of distribution automation vary widely by circuit. As a result, the cost-effectiveness of distribution automation as a reliability improvement measure also varies widely by circuit. I oppose distribution automation deployment on circuits unlikely to deliver dollar-denominated reliability benefits in excess of costs.

Q. How is DTE employing reclosers to improve reliability?

A. DTE's grid consists of many tie lines between circuits, which can be reconfigured to re-route power in the event of a fault. Grid reconfiguration using reclosers and ties can restore power to some customers while the fault is being repaired (through customers in the immediate vicinity of the fault must wait until the repairs are complete). Typically, crews

[5] DTE responses to MNSCDE-1.7 and 7.16(a). The Company could not identify a single instance of a live wire down event in the last 10 years. Despite the lack of a risk assessment, the Company has spent over $200 million dollars installing automated reclosers on 4.8kV circuits without a neutral wire to reduce this risk.

are sent to throw switches to complete the reconfiguration. Distribution automation employs reclosers that communicate with each other to automatically reconfigure the grid, avoiding crew travel time (to throw the switches). Distribution automation can therefore reduce the duration of service interruptions for some customers initially impacted by a fault.

Q. What are the drawbacks of distribution automation?

A. The reclosers may not operate correctly, requiring crews to drive from recloser to recloser to reconfigure the grid manually anyway. In storm situations, where damage is widespread, intact circuits from which to reroute power may not be available, negating distribution automation value. Given that up to 90% of the time DTE customers spend without power is due to storms, this is a significant consideration.[6] The reclosers are costly, as are the tie and circuit capacity upgrades that may be required to accommodate automated grid reconfiguration. Care must be taken to avoid deploying distribution automation on circuits for which the dollar value of reliability improvements is less than the cost.

I maintain other concerns regarding the cost-effectiveness of distribution automation. For example, distribution automation is most often cost-effective when tie lines between circuits with capacity adequate to accommodate automated reconfiguration have already been built. While the automated switches are costly to install, new construction and capacity upgrades for existing tie lines or sections of circuits as may be required can be orders of magnitude more costly than recloser installation. The benefits of

[6] In 2024, DTE's System Average Interruption Duration ("SAIDI") on major event days were a bit more than two-thirds of DTE's total; in 2023, SAIDI on major event days ("MED") were 90 percent of DTE's total. (SAIDI with MED less SAIDI without MED equals SAIDI on MED). SAIDI values with and without MED sourced from DTE's annual Service Quality and Reliability Report filed in U-12270 on April 1, 2025.

distribution automation relative to costs are also impacted by customers counts; deploying a distribution automation scheme on a 4.8kV circuit with 400 customers delivers far fewer benefits per dollar than deployment on a 13.2kV circuit with 1,200 customers for about the same cost. Customer mix (commercial vs. residential) can also impact cost-effectiveness.

Finally, and critically, distribution automation is a solution that addresses the symptoms of faults (service interruptions), not the root causes of faults (such as vegetation contact). It can be more appropriate, and more cost-effective, to reduce the frequency of faults through routine, mandatory maintenance, rather than deploy distribution automation to isolate the impact of faults (service interruptions) to fewer customers when faults occur. To summarize, the Commission should not perceive distribution automation as a silver bullet to DTE's reliability performance issues.

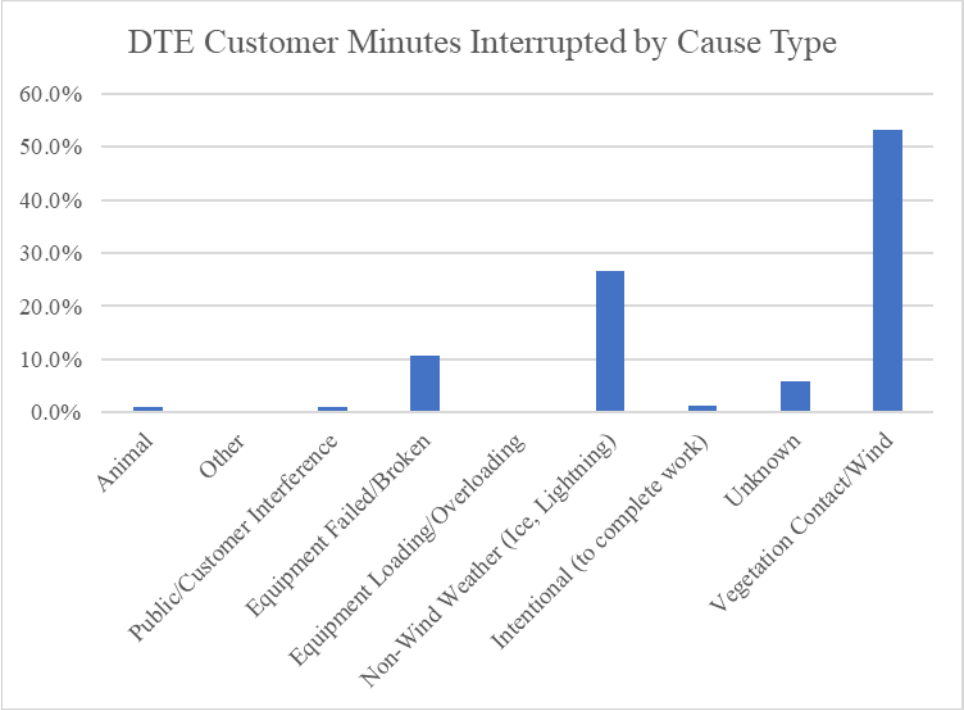
Q. What are some of the routine maintenance activities that DTE must complete that address the root causes of service interruptions?

A. Vegetation management and pole/poletop inspections and maintenance are some of the routine, mandatory activities that can address the root causes of a great deal of service interruptions. DTE has a poor track record of keeping up with these routine maintenance activities that all utilities must complete on a periodic basis to ensure safe and reliable service. Figure 2 below indicates that the majority of time DTE customers spend without power is due to vegetation contact, and to the wind that blows vegetation into overhead lines (53%). Equipment failures also contribute, but to a much smaller extent (11%, of which some amount are pole and poletop equipment failures).[7] It is more cost effective to

[7] U-21860 MNSCDE-1.1a Outages 2017-2024

catch up on routine maintenance activities that must be completed anyway, and that reduce the root causes of service interruptions in the first place, before proceeding to costly solutions (like distribution automation) that only reduce the impact of service interruptions once they occur.

Figure 2: Customer Minutes Interrupted by Cause Type, 2020-2024

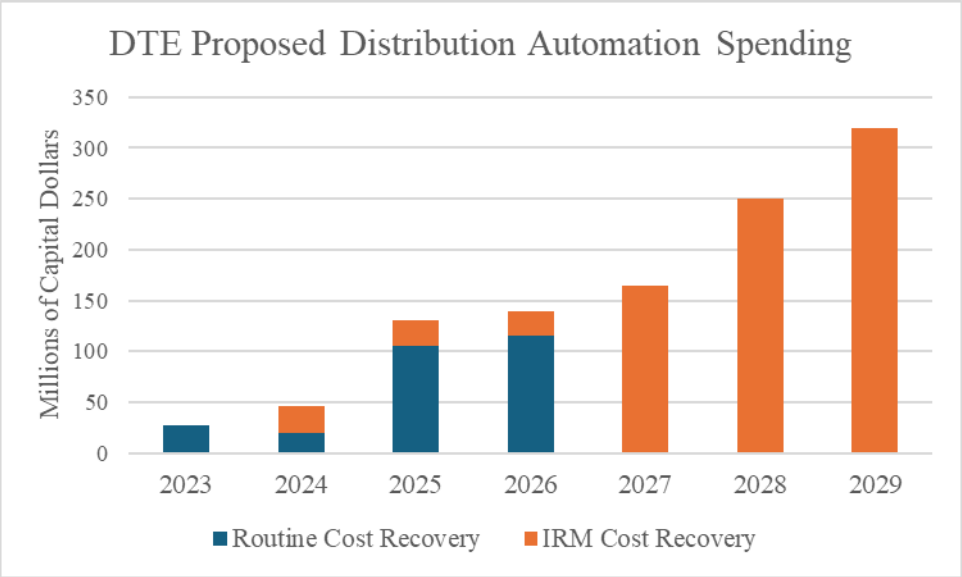


Q. What distribution automation deployment plan does DTE propose?

A. In the name of reliability, DTE is proposing a massive increase in distribution automation deployment that far exceeds the amount needed to improve safety on 4.8kV circuits without a neutral wire. Between the Company's 2026 test year request and its 2027-2029 IRM request, DTE proposes to spend $850 million deploying distribution automation from

2026-2029,[8] representing a massive increase over the $27 million spent in 2023. Incredibly, DTE proposes to spend $850 million to deploy distribution automation though it has yet to formally examine the reliability improvements delivered by the distribution automation schemes it has already deployed.[9]

Figure 3: DTE historical and proposed spending on distribution automation, 2023-2029.



Q. What is the Auditor's impression of distribution automation?

A. The Auditor's concerns regarding distribution automation are precisely the same as mine. The Auditor's conclusions include: 1) Distribution automation would not be cost-effective if the causes of service interruptions were minimized[10] (for example, by catching up on vegetation management and pole/poletop inspections and maintenance); 2) The benefits of

[8] $115.6 million in 2026 test year per Exhibit A-12 Schedule B5.4, page 14, and $735 million in the IRM 2027-2029 per Exhibit A-33 Schedule X-1.
[9] DTE response to MNSCDE-3.29a.
[10] Michigan PSC U-21305. Final Report, Utility Distribution Audit of DTE Energy, Part One. Page 25. (MNAG-PA-2).

distribution automation do not warrant planned investment levels;[11] and 3) The $1.164 billion investment level proposed in DTE's Distribution Grid Plan 2024-2028 should be reduced by $600 million while more data on distribution automation effectiveness is collected.[12]

Q. What do you make of the Auditor's conclusions?

A. I endorse them almost 100 percent. My only recommendation would be to further reduce DTE's proposed investment levels for distribution automation. As indicated earlier, installation of a single, more sensitive recloser on every 4.8kV circuit without a neutral wire may be warranted for safety reasons. However, between the distribution automation capital DTE will have already spent through 2025 ($202.6 million),[13] and the distribution automation capital spending the Commission has already approved for 2026 ($24.4 million),[14] sufficient capital ($227.0 million) has already been approved for DTE to install reclosers on 1,991 4.8kV circuits without a neutral wire.

Q. How do you know $227 million will be enough to install reclosers for safety purposes?

A. DTE operates 1,991 circuits without neutral wires,[15] and the installed capital costs of these reclosers has averaged about $114,000 each.[16] This makes for a total safety-related distribution automation cost of $227.0 million (1,991 circuits x $114,000). No additional

[11] Michigan PSC U-21305. Final Report, Utility Distribution Audit of DTE Energy, Part Two. Page 92. (Ex MNAG-PA-3).
[12] Ibid. Part Two. Page 94.
[13] Exhibit A-12 Schedule B5.4, page 14, ($151.8 million through 12/31/2025).
[14] Company Exhibit X-33 Schedule X1 ($50.8 million IRM through 12/31/2025; $24.4 million IRM 2026.
[15] Michigan PSC U-21305. Final Report, Utility Distribution Audit of DTE Energy, Part One, page 22. (Ex MNAG-PA-2).
[16] Ex MNAG-DS-4. U-21845, Exhibit A-7, Page 1 ($23.964 million installed cost of 210 automated reclosers).

distribution automation spending is therefore needed for safety. I consider reliability improvements to be the only possible justification for additional investments in distribution automation, but as I mentioned earlier, the reliability benefits and costs of distribution automation vary widely by circuit.

Q. Does deferred maintenance impact the cost-effectiveness of distribution automation?

A. Yes. I recommend the Commission notify DTE that the Commission will reject additional distribution automation spending requests until DTE catches up on its vegetation management and pole/poletop inspection and maintenance backlogs. I note that both vegetation management and pole/poletop testing/inspection are routine, mandatory maintenance activities that all utilities must complete periodically. Distribution Automation deployment does not change this fact. It is therefore reasonable and prudent to complete mandatory maintenance activities before approving costly, discretionary investments, including distribution automation. Another commonsense recommendation is to measure the reliability improvement value delivered by the distribution automation schemes DTE has already deployed before approving capital spending for more schemes.

Q. Are you familiar with the distribution automation BCA model the Company's consultant developed?

A. Yes, I am very familiar with that model. AG-MN Witness Alvarez covers the deficiencies in that model in his testimony, which I helped him develop. I am in complete agreement with the critiques of the model described in Mr. Alvarez's testimony, and further agree that the model inaccurately predicts that distribution automation will be cost-effective on many more circuits than would be indicated by a comparison of pre-deployment reliability to

post-deployment reliability for circuits on which distribution automation has already been installed (which, again, DTE has yet to complete).

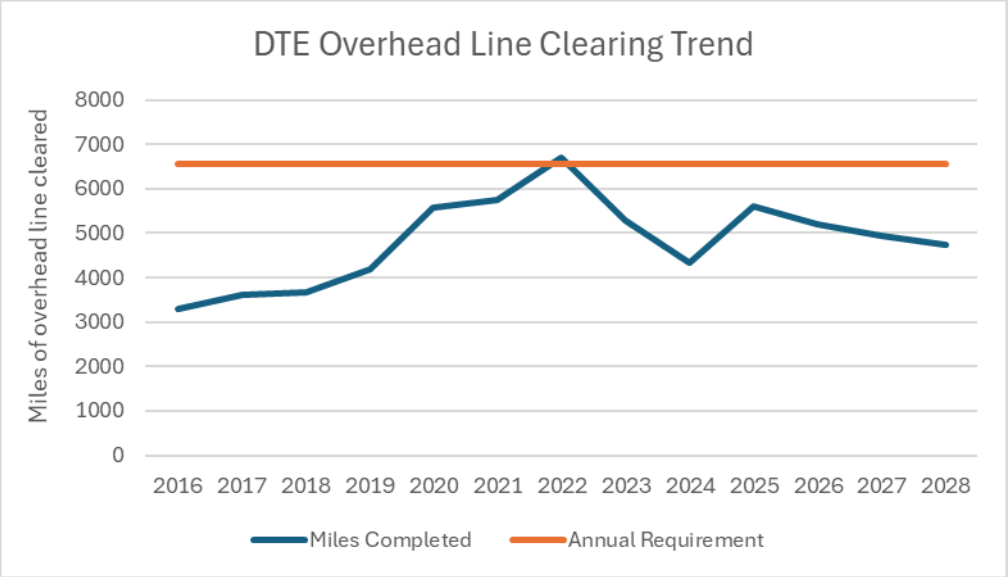
The biggest deficiency is that the historical service interruption data the consultant's model employs includes circuits for which DTE has yet to catch up on vegetation management, and for which DTE has yet to catch up on pole/poletop inspections and maintenance. Reliability is poorer on these circuits than it will ultimately be once the backlogs are cleared (and assuming DTE remains on schedule after catching up). This means that the model -- based on historically poor reliability performance that reflects deferred maintenance impacts -- predicts a far greater reliability improvement than that which will ultimately be available once required catch-up work is complete.

Q. Are the remaining vegetation management and pole/poletop inspections and maintenance backlogs still significant?

A. Yes, they are. Figure 4 below indicates that DTE has yet to catch up on its vegetation management backlog. The Company appears to have fallen further behind in 2023 and 2024, and appears likely to fall even further behind in the 2025-2028 period.[17]

[17] Miles completed by year per DTE's 2025 Tree Trim Annual Report dated March 3, 2025 (U-20162), Table 1, page 2; Annual Requirement for a five-year cycle per AJ Kryscynski Direct Testimony in U-21534, page AJK-12, Tables 3 and 4. Miles budgeted 2025-2028 per DTE response to MNSCDE-3.48 (Ex MNAG-DS-5.

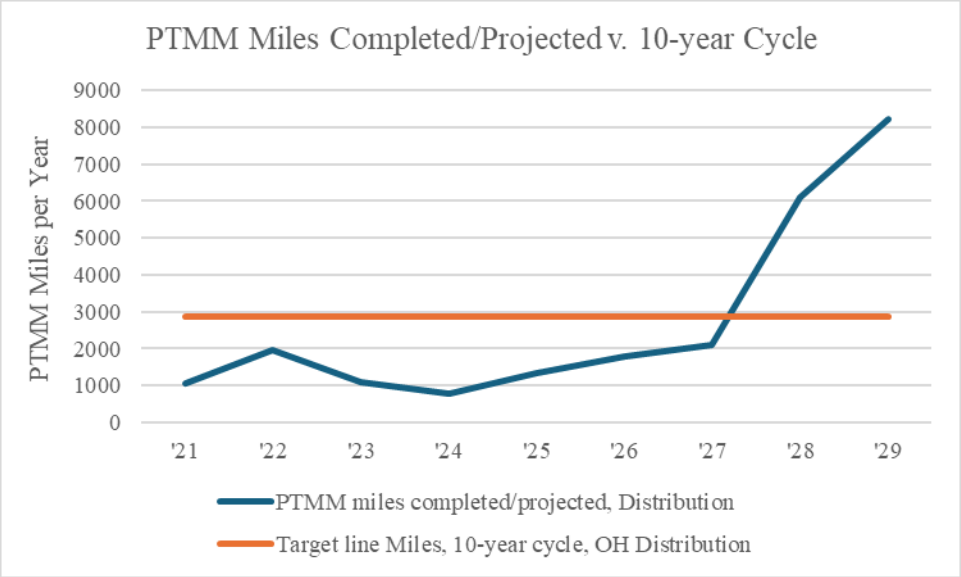
Figure 4: Vegetation Management miles completed by year relative to the amount required to achieve a 5-year cycle.



The Auditor estimates that pole/poletop testing/inspection (and associated maintenance) were completed at a once in 21.5-year cycle in 2022, and a once in 30-year cycle in 2023.[18] These inspection cycles indicate DTE is farther behind on its pole/poletop testing/inspection cycle than it is on vegetation management. Figure 5 compares PTMM miles completed or projected to a 10-year PTMM cycle. It indicates DTE is indeed far behind on even a 10-year cycle, which is half as demanding as the 5-year cycle goal DTE has proposed. With such significant backlogs, there can be no doubt that the distribution automation BCA model dramatically overstates the reliability improvement distribution automation will deliver once vegetation management and pole/poletop testing/inspection backlogs are cleared.

[18] Ex MNAG-PA-2. (U-21305, Final Report, Utility Distribution Audit of DTE Energy, Part One. Page 27).

Figure 5: PTMM backlog, 10-year inspection cycle



Q. Are there any other reasons the model developed by DTE's consultant overstates the circuits on which deployment would be cost effective?

A. Yes. The Company has not validated the model's reliability improvement projections against actual distribution automation deployment experience. Automated reclosers have been available for deployment as part of distribution automation schemes for about 20 years, and many utilities have extensive experience with them at this point. While DTE did not establish a formal distribution automation program to deploy such switches until 2023, DTE has installed many distribution automation schemes utilizing these switches in the past. Yet DTE has not taken the simple and obvious step of evaluating reliability before and after the Company's existing distribution automation schemes were deployed.[19] To rely on a model to approve an $850 million spending proposal when historical data is available to measure actual reliability improvements delivered to date makes no sense.

[19] DTE response to MNSCDE-3.29a.

Q. Have you compared reliability pre- and post- distribution automation deployment?

A. Yes, I have. In discovery, DTE provided a list of 50 circuits on which reclosers were installed in 2020.[20] Of the 50 circuits, 44 had service interruptions in both the three years pre-deployment (2017-2019) and the four years post-deployment (2021-2024) that I could analyze for reductions in customer minutes interrupted.[21] On 16 of these 44 circuits, average annual customer minutes interrupted actually increased post-deployment compared to pre-deployments. Of the circuits that did exhibit reliability improvements, many improved by only small amounts that may not have been sufficient to deliver dollar-denominated reliability benefits in excess of distribution automation deployment costs. Only 11 of the 44 circuits exhibited reliability improvements that approached or exceeded one million customer minutes interrupted annually (a number likely to signify benefits in excess of costs). The results of my analysis of the 44 circuits on which reclosers were installed in 2020 are presented in Figure 6 below. [[BEGIN CONFIDENTIAL]]

[20] DTE response to MNSCDE-7.13.
[21] DTE response to MNSCDE-1.2 SAIDI and SAIFI 2017-2024.

[redacted]

[[END CONFIDENTIAL]]

Q. Given your analysis, what are the implications for the results delivered by DTE's distribution automation BCA model?

A. I do not wish to imply a belief that DTE's distribution automation BCA model is accurate. The deficiencies in this model that AG-MN Witness Alvarez describes in his testimony are significant. However, it is nonetheless possible to use the BCA model's outputs to illustrate the model's deficiencies while simultaneously employing those outputs as a conservative basis for recommendations to reduce capital spending on distribution automation.

In discovery, DTE provided BCA model outputs identifying 1,189 circuits as cost-effective for distribution automation (meaning that the benefit-to-cost ratio was projected

to be 1.01 to 1 or better).[22] Note that this amounts to 36% of DTE circuits (the Company operates 3,273 circuits.)[23] My analysis of historical data as presented above indicates that 25% of circuits (11 of 44) on which distribution automation was installed in 2020 have delivered about one million minutes' reduction annually on average. But even the 25% of circuits that my analysis suggests might be cost effective should be considered exaggerated. This is because the baseline reliability of the circuits I analyzed suffers from the same primary deficiency as DTE's distribution automation BCA model: catch-up vegetation management and pole/poletop testing/inspections had not yet been completed on the circuits analyzed. This means that the circuits analyzed (either in my analysis of 44 deployed in 2020, or those analyzed in DTE's distribution automation BCA model) exhibited much poorer baseline reliability performance than could be expected once mandatory catch-up activities are completed, thus exaggerating the reliability improvements that can be expected from distribution automation.

Q. For the 1,189 circuits DTE's BCA model identified as cost-effective for distribution automation, did you identify the circuits for which catch-up vegetation management or pole/poletop testing/inspection has yet to be completed?

A. Yes, I did. Using the schedule of upcoming catch-ups by circuit presented in DTE's Reliability Model,[24] I found that all but seven of the 1,189 circuits the BCA model identified as cost-effective for distribution automation had not yet been caught up for vegetation management, or pole/poletop testing/inspection, or both.

[22] NDA U-21860 MNSCDE-3.70 CONFIDENTIAL DA Tables, tab "Subpart C Circuit Results".
[23] U-21534. Direct Testimony of Allen J. Kryscynski. Table 3, page AJK-13, 3 Tr. 305.
[24] Exhibit A-23 Sch M12 (Reliability Model), tabs "TT Walkdown" (for vegetation management catch-up circuits) and "PTMM Walkdown (for pole/poletop testing/inspection catch-up circuits).

As an interesting and validating side note, I note the benefit-cost ratio for these seven circuits on which catch-up maintenance had been completed averaged 1.67 to 1, whereas the benefit-cost ratio of the 1,182 circuits for which catch-up maintenance has yet to be completed averaged 6.10 to 1. This validates that distribution automation is far less likely to deliver benefits in excess of costs on circuits on which catch-up maintenance has been completed.

Q. What do these observations mean for the $115.6 million DTE requested in the 2026 test year for distribution automation?

A. DTE's distribution automation BCA model estimates the cost to deploy distribution automation on the seven circuits identified above to be $2.6 million. While I repeat that I do not consider DTE's distribution automation BCA model to be accurate, it is possible to use this finding as a conservative basis for a recommended reduction in DTE's distribution spending request. I therefore recommend DTE's test year request for $115.6 million in capital for distribution automation be reduced by $112 million, to $2.6 million.

Q. Please summarize your distribution automation recommendations.

A. My distribution automation recommendations include:

- That the Commission put DTE on notice that it will not approve future requests to deploy distribution automation for reliability purposes until the backlogs for vegetation management and pole/poletop inspections and maintenance are cleared.
- That the Commission order DTE to analyze the reliability results from existing deployments before approving additional capital for distribution automation for reliability purposes.

- That the Commission increase the $600 million reduction in distribution automation capital spending recommended by the auditor to an $847 million reduction, consisting of a $735 million reduction in IRM spending requests 2027-2029 (100%) plus a $112 million reduction to DTE's $115.6 million distribution automation request for the 2026 test year. (This will leave $2.6 million for seven circuits that DTE's BCA indicates might be cost effective and that have already been caught up on maintenance activities, plus $24 million in 2026 IRM spending for distribution automation the Commission has already approved.)
- Finally, I recommend the Commission refuse to consider the $140 million "Alternative" proposed by DTE for the 2026 IRM,[25] which the Commission has already approved in the amount of $24.4 million.

III. SUBTRANSMISSION REDESIGN AND REBUILD: COSTLY CAPITAL PROJECTS IN SEARCH OF PROBLEMS TO SOLVE

Q. Please preview this section of testimony.

A. I will summarize DTE's Subtransmission Redesign and Rebuild program and DTE's proposal; present my assessment of the program and proposal; summarize the Auditor's assessment of the program and proposal; and conclude with my recommendations.

Q. Please summarize DTE's Subtransmission System.

A. DTE's subtransmission system is the interface between Michigan's transmission grid and DTE's distribution grid. While distribution substations and circuits deliver electricity to

[25] Direct Testimony of Aaron Willis. Table 4, page AW-28.

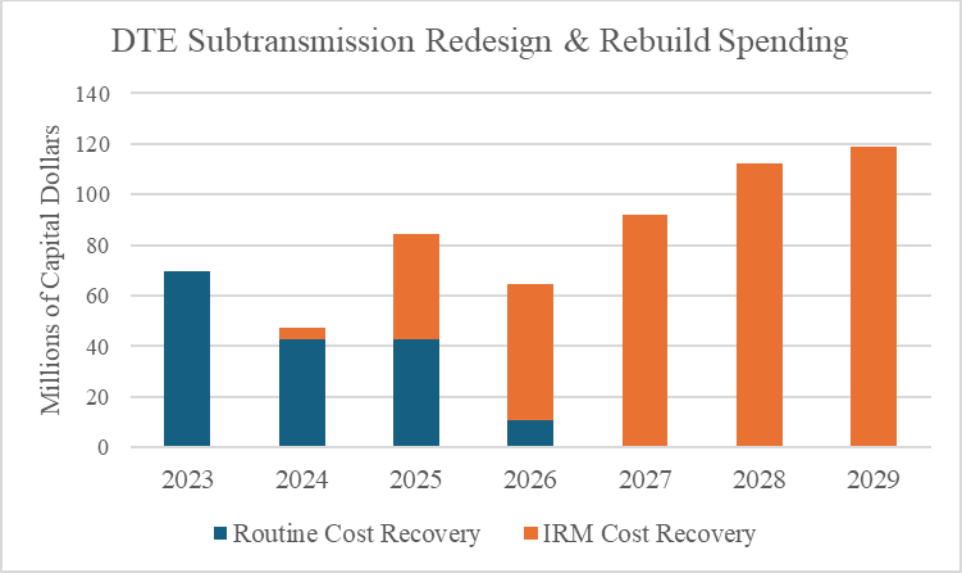
customers, subtransmission substations and circuits deliver electricity from the transmission grid to distribution substations. Large numbers of customers therefore rely on the subtransmission system, and all utilities (including DTE) design significant redundance into their subtransmission systems as a result. This redundance (in the form of capacity held in reserve) means that an equipment outage on a subtransmission circuit rarely results in a loss of service to customers. In fact, of 5,239 equipment outages DTE reported on its subtransmission system from 2019 through 2023, only 26% resulted in an interruption in service to customers.[26] Customer service interruptions from the subtransmission system constituted just 3.9% of all customer minutes of interruption experienced by DTE customers from 2019-2023.[27] Because customer service interruptions from subtransmission equipment outages represent such a small proportion of time DTE customers spend without power, and because subtransmission projects are so costly, capital spending on the subtransmission system is unlikely to represent a cost-effective approach to improving DTE reliability.

Q. Please summarize DTE's Subtransmission Redesign and Rebuild program.

A. DTE's Subtransmission Redesign and Rebuild program is intended to increase the reliability and capacity of DTE's subtransmission system. DTE is spending a lot of capital on this program and proposes to expand such spending by about 60% annually, as indicated in Figure 7.[28]

[26] Ex MNAG-DS-7, (U-21534. DTE responses to MNSCDE-3.26(a), (b) + Attachment *U-21534 MNSCDE-3.26-01 Subtransmission Interruptions*).
[27] Total customer minutes of interruption 2019-2023 8,657,536,089 (from *U-21534 MNSCDE-3.1-01 Outages 2017-2023*); total customer minutes of interruption on the subtransmission grid 2019-2023 336,159,815 (from Ex ##, *U-21534 MNSCDE-3.26-01 Subtransmission Interruptions*).
[28] "Routine Cost Recovery" amounts from Exhibit A-12 Sched. B5.4, page 13; "IRM Cost Recovery" amounts from Exhibit A-33 Schedule X-1.

Figure 7: DTE Subtransmission Redesign and Rebuild program capital spending, historical and proposed, 2023-2029.



Q. How does DTE spend capital in its Subtransmission Redesign and Rebuild program?

A. Program capital goes to rebuilding sections of circuits to current standards (for example, replacing wood poles with steel poles); to replacing existing equipment with equipment of higher capacity (addressing violations of DTE's capacity planning guidelines); to relocating circuits along rail lines to roadways (improving access to circuits by repair and maintenance crews); and to replacing 24kV substations and circuits with 40kV substations and circuits over time. (The 24kV portions of DTE's subtransmission system supply 4.8kv distribution substations, so the 24kV subtransmission and circuit replacement effort occurs in parallel with the 4.8kV circuit conversion program.)

The value associated with each of these activities is highly variable. For example, I attribute almost no value to relocating circuits from rail lines to roadways. The value of replacing the 24kV subtransmission circuits and substations is related to the value of converting 4.8kV circuits to higher voltages (currently somewhat low, to be addressed later in this testimony). In my experience, very few utilities rebuild existing infrastructure to

current standards because the benefit to cost ratio of this activity is so negative. The value of addressing capacity planning guideline violations is also highly variable by circuit, impacted by equipment ratings, load growth forecasts, and duration of the violation in hours per year. (The shorter the duration of an identified violation, the lower the probability that the violation will result in a service interruption).

Q. Why do you believe the benefit-to-cost ratio of rebuilding existing infrastructure to current standards is negative?

A. I will use a familiar example to illustrate. As the Commission is aware, DTE's new poletop construction standard requires fiberglass crossarms instead of wooden crossarms. Notably, DTE is not replacing every one of the hundreds of thousands of wooden crossarms currently in service with a fiberglass crossarm. One can readily imagine the extreme cost of such an endeavor. Instead, DTE is appropriately inspecting its wooden crossarms, and when it finds a defective one, it replaces it with a crossarm made of fiberglass rather than wood. This is far less costly than replacing all wooden crossarms, including those that pass inspection, with fiberglass crossarms. Over the course of several decades, all of DTE's crossarms will eventually be fiberglass. In my experience this is how new construction standards are implemented – in a prospective manner, as opportunities arise, rather than retroactively. This example applies exactly to subtransmission construction standards, and as a result, rebuilding subtransmission infrastructure that is currently operating safely and reliably just to meet newer construction standards is not appropriate.

All utilities continuously update their construction standards as new technologies come along. In my experience, changes in construction standards are almost never applied

retroactively, and are intended to apply to new construction only. This is because, as illustrated in the above example, retroactive application of new construction standards almost never passes a benefit-cost analysis due to the extreme cost of retroactive application.

Q. Why is the value of addressing capacity planning guideline violations highly variable?

A. The redundance built into utilities' subtransmission grids, known as "n-1" design, means that the subtransmission grid will continue to carry power to distribution substations over back-up supply routes in the event of an equipment outage on a day-to-day supply route. While not all distribution substations have a back-up source of subtransmission supply, in my experience the vast majority typically do. Of those distribution substations that do have a back-up source of supply, the back-up capacity is not always adequate for all hours of the year. For example, while back-up capacity may be adequate for 97% of the hours in a year (as an example), there may be some hours of the year when the back-up capacity is inadequate, constituting a violation of capacity limits. In this example, should an equipment outage occur during the 3% of the hours of the year when back-up capacity is not adequate – usually, summer weekday afternoons – a service interruption may be required despite the redundant design available from back-up supply routes.[29]

What this means is that impacts of capacity planning guideline violations are variable. Not all violations are worthwhile or cost effective to address. The likelihood that a service interruption will result from a violation is an important consideration in determining whether the benefits of addressing a violation are worthwhile. Obviously, the

[29] There are 8,760 hours in a year. A capacity planning guideline violation that occurs 3% of the hours in a year equates to 262.8 hours (8760 x 3%).

cost of addressing the violation should also be part of the decision to address a violation or not.

Q. Understanding you are familiar with DTE's Global Prioritization Model, does the model take into account the likelihood that a capacity planning guideline violation will result in a service interruption?

A. I am familiar with DTE's Global Prioritization Model, and it does not take into account the likelihood that a capacity planning guideline violation will result in a service interruption, nor does the Company make any effort to estimate the duration (hours per year) that equipment is expected to be in violation.[30] Thus, DTE is proceeding to address capacity planning guideline violations with no estimate or consideration of the likelihood that a violation will result in a service interruption. Further, DTE's Global Prioritization Model does not compare the potential benefits of a project (denominated in dollars) to the cost of projects. These and other deficiencies in DTE's Global Prioritization Model are described in the testimony of AG-MN Witness Alvarez.

Q, Has the Commission addressed the fact that DTE does not estimate the potential benefits of Subtransmission Redesign and Rebuild projects for comparison to those projects' costs?

A. Yes. In its Order on DTE's most recent rate case, the Commission stated "going forward, a greater level of detail and quantifiable support is needed from DTE Electric to support its subtransmission projects. One way to provide this greater level of support, as suggested by

[30] Ex MNAG-DS-6. (DTE's response to MNSCDE-3.30(b)).

AGMN, is project-specific risk-informed cost-benefit and alternative analyses for all Subtransmission projects over $10 million . . . ."[31]

Q. Did DTE complete risk-informed benefit-cost analyses and alternative analyses on the Subtransmission Redesign and Rebuild projects it is proposing over $10 million?

A. No. DTE reports its benefit-cost analysis framework is in development and will be completed before the Company's next rate case filing.[32]

Q. Please summarize the Auditor's take on DTE's Subtransmission Redesign and Rebuild program.

A. The Auditor expresses some of the same concerns I have regarding the program, and in particular, the fact that DTE's subtransmission system accounts for such a small proportion of the time customers spend without service. Conclusions the Auditor makes relevant to the Subtransmission Redesign and Rebuild program include 1) "System Equipment Replacement work comprises a candidate for slowed investment pace;"[33] 2) The program represents "a primary candidate for duration extension and therefore significant cost reduction through the (Distribution Grid Plan) horizon;"[34] and 3) "Annual reductions of between $90 to $100 million per year provide a measure of the investment reductions achievable."[35]

[31] Case No. U-21534. Commission Order dated January 23, 2025. P. 133.
[32] Direct Testimony of Mr. R.M. Stowe. Page RMS-103 at line 11.
[33] Ex MNAG-PA-3. (U-21305. Final Report, Utility Distribution Audit of DTE Energy, Part Two. Page 75). Note that while this is a conclusion regarding DTE's System Equipment Replacement program, the Subtransmission Redesign and Rebuild program consists almost entirely of equipment replacement, and thus the Auditor's conclusion is applicable to equipment replacement programs generally.
[34] Ibid. Page 83.
[35] Ibid. Page 85.

The Auditor provides little support for the size of the recommended reductions, other than observing the relationship between 24kV subtransmission circuit conversion and 4.8kV distribution circuit conversion, and stating a belief that the level of subtransmission capital work completed historically "will need to continue."[36] Additionally, the amount of annual reductions recommended appears to indicate a report production or editing error. Given that the subject of the Part 2 Audit was DTE's 2023 Distribution Grid Plan, and given that plan's proposed program spending 2024-2028 of $100 million to $108 million annually,[37] the reduction amounts the Auditor recommends ($90 million to $100 million annually) do not appear to be consistent with the Auditor's related observations and statements about the appropriate level of capital spending for the program.

Q. Please summarize your recommendations for DTE's Subtransmission Redesign and Rebuild proposal.

A. I agree with the Auditor's assessment that that the reliability improvement opportunity offered by most types of spending in this program is small. I also agree with the Auditor's assessment that 24kV subtransmission system retirement is related to 4.8kV distribution circuit conversion. As 4.8kV distribution circuit conversion slows, as I will recommend later in this testimony, 24kV subtransmission system retirement can slow as well.

While the 2026 capital spending request for this program is just $11.0 million, I note that these are just the initial spending components of eight projects and programs I estimate will require approximately $146 million to complete. As examples, DTE

[36] Ibid.
[37] U-20147. DTE's 2023 Distribution Grid Plan. Exhibit 9.2.4.1, page 105. September 29, 2023. (Exhibit A-23, Schedule M8).

estimates the Cortland Substation expansion ($1 million in 2026) will cost $17.0 million to complete; the addition of a transformer to the Badax substation ($1.7 million in 2026) will cost $12.9 million to complete; and the rebuilding of circuit Tie 810 ($0.4 million in 2026) will cost $84.2 million to complete.[38] I note that the level of support DTE provided for these projects is no greater than the level of support DTE provided for Subtransmission Redesign and Rebuild projects and programs proposed in U-21534, despite the Commission's Order cited above that an increased level of support is needed. The Commission further suggested that such increased support could be satisfied by the risk-informed approach to benefit-cost analysis I recommended in U-21534,[39] applied to projects in excess of $10 million in size. DTE provided no such analysis for any of these projects. Without such analyses, it is difficult to determine the cost-effectiveness of DTE's Subtransmission Redesign and Rebuild projects and programs.

As a result, I have insufficient information to recommend reductions in the $11.0 million in capital spending DTE requests for these projects and programs in the 2026 Test Year. At that level of spending, the initial and "no regrets" activities required to advance these projects and programs to a limited extent is possible, and perhaps appropriate. On the other hand, DTE has not provided the information and support necessary to secure Commission approval for the additional $135 million or so likely required to complete these projects and programs as currently scoped. Further, the Company provides no information in support of $323.5 million in Subtransmission Redesign and Rebuild capital spending requested through the IRM mechanism 2027-2029. As a result of insufficient

[38] Exhibit A-23 Schedule M6.
[39] U-21534. Direct Testimony of Dennis Stephens dated July 26, 2024. Page 36. 3 Tr. 4019.

support provided for the eight specified projects/programs that might continue if the Company's IRM request is approved, as well as insufficient support provided for $323.5 million in IRM spending requested, I recommend the Commission reject the Company's request of $323.5 million in IRM spending requested for the Subtransmission Redesign and Rebuild program 2027-2029.

Q. Do you make any other recommendations to the Commission regarding DTE's Subtransmission Redesign and Rebuild program?

Yes. I further recommend that the Commission require DTE to complete risk-informed benefit-cost analyses on any Subtransmission Redesign and Rebuild projects or programs with total capital costs in excess of $10 million. Finally, I recommend that the Commission refuse to consider DTE's "Alternative" proposal to increase the 2026 IRM amount for Subtransmission Redesign and Rebuild spending to $100 million,[40] previously approved by the Commission in the amount of $53.8 million.

IV. SYSTEM LOADING PROJECTS: COSTLY AND PREMATURE RESPONSES TO CIRCUIT OVERLOADS

Q. Please preview this section of testimony.

A. In this section of testimony I will summarize DTE's System Loading program and the Company's proposal; present my assessment of the program and proposal; summarize the Auditor's assessment of the program and proposal; and conclude with my recommendations.

Q. Please summarize DTE's System Loading program.

[40] Direct Testimony of Aaron Willis. Table 4, page AW-28.

A. DTE's System Loading program intends to address violations of the Company's capacity planning guidelines among distribution substations and circuits. This is similar to the Subtransmission Redesign and Rebuild program addressed in the above section of testimony, but for DTE's distribution system rather than the Company's subtransmission system. System Loading project costs can range from somewhat small to extremely large, encompassing everything from reconductoring a section of a circuit to expanding an existing substation to constructing an entirely new substation.

The System Loading program is very similar to the Subtransmission Redesign and Rebuild program in other ways too. Many of the projects are related to 4.8kV circuit conversion plans, which later in my testimony I recommend slowing down. Many of the projects are justified in large part by the Distribution Design Order (DDO) capacity limits DTE adopted in 2016. The DDO is analogous to the capacity planning criteria guidelines DTE established for the subtransmission system. Several observations made earlier in this testimony apply to the DDO:

- New standards generally apply to new construction; rebuilding existing infrastructure to comply with new standards retroactively is atypical.
- Capacity limits such as those established in the DDO (like the capacity planning criteria established for the subtransmission system) are not black and white but exist as a range of likelihoods (that insufficient capacity in contingency situations will result in a service interruption). As cited earlier for subtransmission, DTE does not appear to take such likelihoods (for example the proportion of the hours of a year in which a circuit is in violation) into account when identifying DDO violations or projects to complete.

- Routine and mandatory reliability improvement efforts, such as vegetation management and pole and poletop inspections and maintenance, will reduce service interruptions and, as a result, the need to rely on grid reconfigurations to isolate service interruption to fewer customers. (The DDO is intended to reduce the capacity constraints that sometimes limit grid reconfiguration.)

Finally, much like 4.8kV conversions, I note that retroactively addressing violations of the DDO in DTE's existing distribution system is a multi-billion-dollar, multi-decade affair. From 2020 to 2024, DTE reduced the number of 13.2kV circuits that violated the DDO from 310 to 268,[41] and at a cost of just $53.9 million.[42] Among the 18 projects in the 2026 test year request, there are approximately 50 circuits with DDO violations that will be addressed at a cost of $925 million.[43] That will still leave well over 200 circuits to address at an extremely high cost. As with circuit conversion, there is optionality as to the time period over which DDO violations could or should be addressed.

Rather than using an arbitrary DDO standard (no more than 8MW of load on a 13.2kV circuit) as part of System Loading project justification, DTE should determine feeder overloads based on the conditions at the substation and limits on the individual circuits, including tie lines and capacity available on adjoining circuits, as well as the likelihood that capacity planning guideline violation will result in a service interruption. DTE admits that the DDO standard is not the primary justification for System Loading

[41] DTE response to MNSCDE-4.1(e).
[42] Ex MNAG-DS-8, U-21534. Exhibit A-12 Schedule B5.4, page 14. Line 116, sum of spending 2022-2024 = $53.9 million.
[43] 18 projects listed in Exhibit A-12 Schedule B5.4, pages 12 and 13, lines 62, 63, 66, and 102-116; 50 circuits exceeding their DDO limit for these projects, and $925 million in project costs, from Exh. A-23 Schedule M6.

projects.[44] Yet DDO violations are listed as part of the justification for most System Loading projects.[45] Additional justifications for System Loading projects, such as historical analysis of service interruption data and safety incident data, are weak to non-existent.[46]

Q. Please summarize DTE's System Loading program proposal.

A. DTE is proposing a significant capital spending increase in the 2026 test year for the system loading program, representing a record high for the program at over $70 million. But DTE's 2026 spending proposal represents just a portion of spending for a suite of 18 System Loading projects to be completed by 2031 at a cost of over $925 million. Figure 8 presents DTE's 2026 test year spending request relative to recent program spending,[47] while Table 1 provides perspective on the massive spending implications associated with the System Loading projects DTE presents for consideration in the instant proceeding.[48]

[44] DTE response to MNSCDE-4.1(g).
[45] Exhibit A-23 Schedule M6 for the 18 projects.
[46] DTE responses to MNSCDE-4.2(a)v, 4.4(a)v, 4.4(b)iii, 4.5(c)iii, 4.6(a)iii, 4.6(b)iii, 4.7(a)iii, 4.8(a)iii, 4.9(a)iii, 4.10(a)iv, 4.10(b)iii, 4.11(a)iv, 4.11(b)iii, 4.12(a)iii, 4.13(a)iv, 4.13(b)iii, 4.14(a)v; 4.14(b)iii, 4.15(a)ii, 4.16(c)iii, 4.17(a)iii, 4.17(b)iii.
[47] Exhibit A-12, Schedule B5.4, pages 12-13.
[48] Estimated Total Project Costs from Exhibit A-23, Schedule M6, pages 218-229 and 331-390.

Figure 8: System Loading program spending 2023-2026

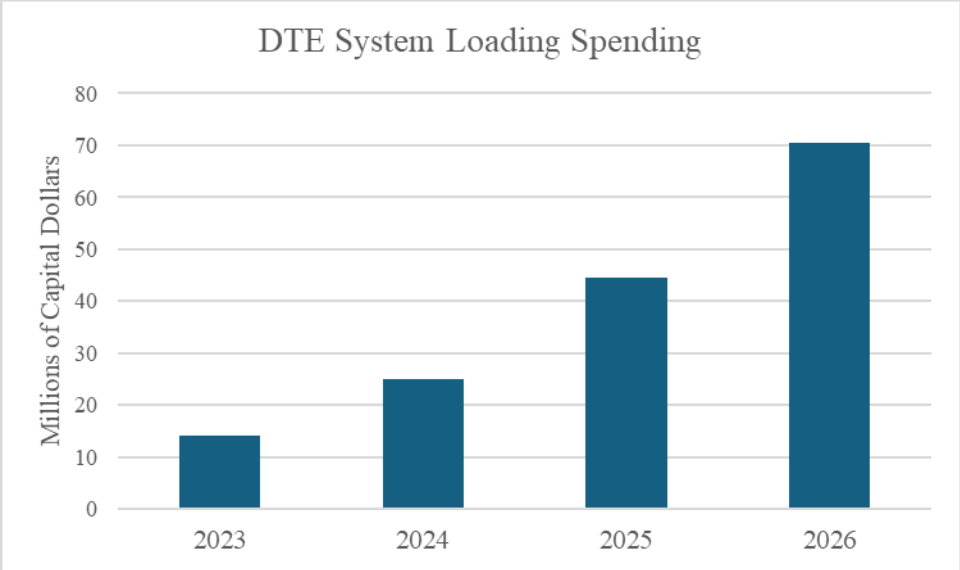


Table 1: System Loading projects, 2026 portion and total cost estimates, dollars in millions

Project	Proposed for 2026 Test Year	Estimated Total Project Cost
Carleton	0.0	4.7
Jewell	2.0	57.0
Mohican	0.0	61.2
Brown City	3.7	118.6
Chesterfield	1.6	41.2
Cody	1.8	61.5
Diamond	0.0	5.8
Disco	5.1	12.9
Goodison	1.4	56.0
Grenada	8.9	47.0
Kings Point	3.5	126.0
Lark/Spruce	11.0	26.5
Otsego/Capac/Shaw	2.5	20.5
Port Sanilac	5.4	71.5
Richmond/Armada	6.7	100.0
Spokane/Seneca	4.5	28.2
Sterling	1.8	20.1
Wixom	10.7	66.4
TOTALS	70.6	925.1

Q. What is your assessment of the projects DTE is proposing in its System Loading Program?

A. In discovery I secured load history for 15 of the projects.[49] I found that loads have been mostly flat, and in many cases falling, for most of these circuits and substations in recent years. Most load increases I observed in the historical load data were minor, or due to load transfers from 4.8kV circuit conversion projects. Further, I note that for the small number of circuits that have exceeded day-to-day equipment capacity ratings in recent years, such conditions have existed for several years. It seems DTE has processes and procedures in place for dealing with such situations and has been managing through them for several years. In such circumstances I question why DTE is suddenly proposing such a massive increase in projects and program spending. Further, in project documentation provided, I noted a lack of alternatives analyses which I would have expected management to require. In my experience there are often less costly ways to address circuit conditions shown by the Company than building a new substation or expanding an existing substation. Ten of the projects involve building entirely new substations, and three of the projects involve major expansions of existing substations. These projects range from $20 million to $126 million each.[50]

Q. What alternatives are available to building a new substation or expanding a substation when one circuit or another is operating in an overloaded condition?

A. If the overloads are of minimal duration (recall the "hours per year" discussion in the Subtransmission Redesign and Rebuild section above), and load growth is relatively

[49] NDA CEII U-21860 MNSCDE-4.2civ System Loading Data
[50] Exhibit A-23 Schedule M6.

slow, there are several potential alternatives to new substation construction and major substation expansion that can be implemented at lower costs. The grid can be reconfigured, with ties between circuits built as necessary, to switch loads from one circuit to an adjacent circuit. Demand response program participation can be solicited from large industrial customers on the circuit. Battery energy storage projects can be less costly in some situations. All of these alternatives should be rigorously evaluated, and implemented as appropriate, before building new substations or expanding existing substations. I found no evidence the Company evaluated such alternatives.[51]

Q. Did you request load growth forecasts for the substations and circuits in question?

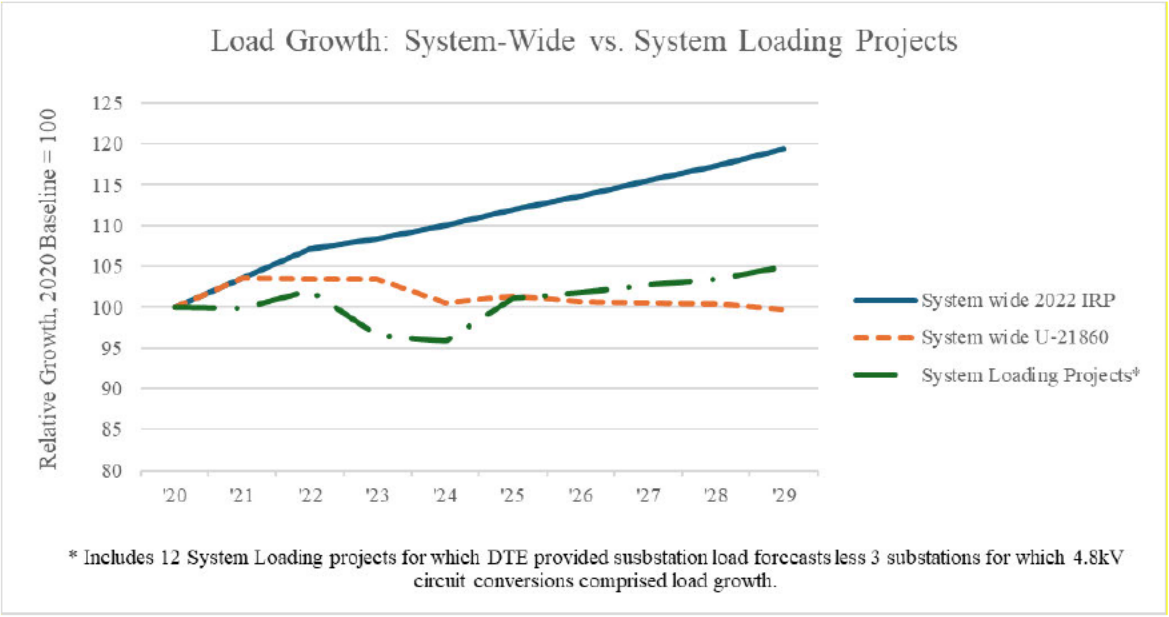
A. Yes. In many instances DTE failed to provide load forecasts. Load growth forecasts that were provided, with one exception, were not circuit-specific, but substation specific, and the substation-specific load growth forecasts DTE provided were unsupported by any detail.[52] Figure 9 below compares load histories and growth forecasts for a subset of System Loading projects to system-wide load growth forecasts in recent proceedings.[53]

[51] Exhibit A-23 Schedule M6.

[52] NDA CEII U-21860 MNSCDE-4.2civ System Loading Data.

[53] System Loading project forecasts from NDA CEII U-21860 MNSCDE-4.2civ System Loading Data. 2022 System-side forecast from U-21193 Leuker Ex. A-10.4 page 1, Cells G15-G22. U-21860 System-wide forecast from U-21860 Exhibit A-15 Schedule E2, page 1.

Figure 9: DTE Load Growth System Wide vs. System Loading Project Load Growth, 2020-2029



Q. What are your observations on Figure 9?

A. I make three observations. First, while the loads on System Loading projects[54] fell from 2020 to 2024, DTE's load forecasts for these projects suddenly show load growth from 2025 to 2029. This is curious, particularly given the lack of information DTE provided to support the growth presented in load forecasts. A reversal of recent trends and lack of support for the growth presented in load forecasts calls into question the need for, and timing of, the significant increase in System Loading projects intended (primarily) to avoid capacity constraints during peak load periods.

Second, I note that DTE's most recent load forecast (U-21860) indicates a lack of growth in loads system wide. The absence of significant load growth system-wide calls into question the need for large increases in System Loading projects and budgets. Third, I

[54] System Loading projects included in this analysis include 12 projects for which DTE provided substation load forecasts, but excluded 3 projects for which load growth consisted of 4.8kV circuit conversion load transfers. The projects with load transfers were excluded in order to observe native (rather than transferred) growth in loads.

note that the load growth DTE forecasted in its 2022 Integrated Resource Plan was not at all accurate. To me, this calls the accuracy of DTE's load growth forecasting process into question, particularly given DTE's failure to maintain a capability to forecast loads at the circuit level. A bottom-up (by circuit) load forecasting process would undoubtedly be more accurate than the top-down load forecasting process DTE has employed to date.

Q. What is the Auditor's assessment of DTE's System Loading Program?

A. The Auditor identified DTE's failure to maintain a capability to forecast loads at the circuit level as a deficiency.[55] This capability is critical to load forecasting and capacity planning and is something that I have never observed at any investor-owned utility. The Auditor seems to accept the Company's claim that about a third of its substations have exceeded capacity guidelines. For DTE distribution, the guideline is 80% of a substation's firm capacity rating, which the Auditor did not challenge. However, for a utility like DTE experiencing low to no load growth, this is likely too conservative.

I also note that the Auditor was evaluating DTE's 2023 Distribution Grid Plan, which does not appear to have included the project-level detail that accompanied DTE's instant application. With more project-level information, the Auditor likely would have identified the significant growth in System Loading projects and spending that were not apparent in DTE's 2023 Distribution Grid Plan as a concern.

Q. Does a lack of significant load growth mean a utility needs no capacity expansion (System Loading) capital spending?

[55] Ex MNAG-PA-3. U-21305. Final Report, Utility Distribution Audit of DTE Energy, Part Two. page 79.

A. No. Even a utility experiencing low to no load growth will experience growth in some geographies, requiring capital spending to accommodate growing loads in those geographies. However, it does mean that capital spending budgets that have historically accommodated pockets of load growth in the past will likely continue to be adequate for accommodating pockets of load growth in the future. I note that from 2023-2025, DTE's average annual system loading budget approved by the Commission was $27.8 million.

Q. Of the System Loading projects the Company recommends, which are characterized by flat or falling load, or unsubstantiated load growth forecasts?

A. Table 2 below identifies the projects characterized by flat or falling load, and/or unsubstantiated load growth forecasts, in addition to reliability and safety risk reductions that are unsupported by quantitative historical data analysis. The 2026 test year capital request and the capital cost for each project are also presented. The 2026 test year capital request for these projects totals $45.3 million.

Table 2: System Loading Projects with Insufficient Load Growth or Other Support

($ in millions) Project	2026 Test Year	Total Estimated Cost
Mohican	0.0	61.2
Chesterfield	1.6	41.2
Cody	1.8	61.5
Disco	5.1	12.9
Goodison	1.4	56.0
Kings Point	3.5	126.0
Lark Spruce	11.0	26.5
Otsego/Capac/Shaw	2.5	20.5
Port Sanilac	5.4	71.5
Richmond/Armada	6.7	100.0
Spokane/Seneca	4.5	28.2
Sterling	1.8	20.1
Totals:	$45.3	$625.6

Q. What are your recommendations regarding DTE's System Loading proposal?

A. I recommend the Commission:

- Extend the requirement for greater support for Subtransmission Redesign and Rebuild projects that the Commission identified in its Order in U-21534 to System Loading projects, with an endorsement that a risk-informed benefit-cost analysis would satisfy such a requirement;
- Require DTE to implement a circuit-specific load forecasting capability in advance of DTE's next rate case (as the Auditor recommended);
- Reduce DTE's request for System Loading spending in the 2026 test year by $45.3 million, from $70.5 million to $25.2 million.

V. PTMM: A DTE STRATEGY TO CAPITALIZE ROUTINE O&M COSTS

Q. Please summarize this section of testimony.

A. In this section of testimony I will summarize DTE's Pole and Poletop Maintenance and Modernization program ("PTMM") and the Company's proposal; present my assessment of the program and proposal; explain violations of the Uniform System of Accounts in PTMM program accounting that are not in customers' interest; summarize the Auditor's assessment of the program and proposal; and conclude with my recommendations.

Q. Please summarize DTE's PTMM program.

A. There is very little that is new or innovative about DTE's PTMM program. All utilities routinely inspect poles and poletops at a predetermined frequency as part of their

obligation to provide safe and reliable service. This routine and mandatory maintenance work is the foundation of DTE's PTMM program. Upon inspection some poles, and some poletop equipment, require repair or replacement. These activities are not optional, but mandatory.

A few years ago DTE modified its pole and poletop construction standards. Among other things, the new construction standard specified fiberglass crossarms when defective (wooden in the previous standard); polymer insulators and cutouts (ceramic in the previous standard); and other equipment including sleeves, hot taps, and others. More recently, DTE also upgraded its pole and poletop inspection practices. Historically, DTE completed both visual inspections of pole tops and pole structural integrity testing at the same time, once every 20 years. The upgrade bifurcated its previous pole and poletop inspections into two components: 1) visual inspections of poletops; and 2) pole structural integrity testing. The Company has established a goal of completing visual inspections of every poletop once every five years, and structural integrity testing of every pole once every ten years.[56]

Q. What are the implications of these changes in standards?

A. The changes in standards will increase costs dramatically. More frequent inspections and more frequent structural testing will increase costs. Fiberglass crossarms cost more than wooden crossarms, and polymer insulators and cutouts cost more than ceramic insulators and cutouts.[57]

[56] Direct Testimony of Mr. J.E. Robinson. Page JER-22, lines 3-10.
[57] DTE responses to MNSCDE-1.9 (f), (g), (h), and (i).

Q. Will the reliability improvements be significant?

A. No. Significant reliability improvements are not possible from increases in PTMM inspection frequency and construction standards. The Company's service interruption data indicates that only 11% of the time customers spend without power is due to equipment failures (see Figure 2 presented earlier), and poles and poletops represent only a portion of equipment failures. Distribution transformers, circuit switches, conductors, and other types of equipment also contribute to the 11% of time customers spend without power due to equipment failures. As a result, the opportunity to improve reliability by increasing pole testing and poletop inspection frequency, and upgrading construction standards, is simply not that large to begin with, because poles and poletop equipment are responsible for only a small fraction of the time DTE customers spend without power (far less than 11%).

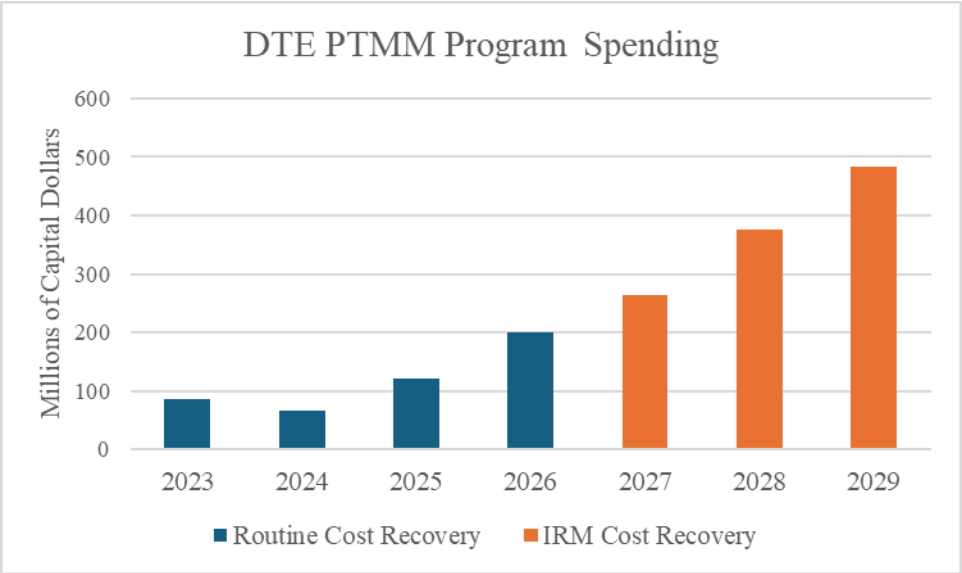
There are other indications that DTE poles and poletops are not in unreasonably poor condition. For example, the Auditor found that of 120 poles inspected, just six had condition issues that DTE had not already identified, a defect rate of just 5%.[58]

Q. Please summarize DTE's PTMM proposal.

A. Despite the relatively small reliability improvement opportunity presented by strengthening pole and poletop inspection practices and construction standards, DTE is proposing massive increases in PTMM spending as it implements the new practices and standards, including $1.12 billion in spending with costs recoverable through the IRM. These are presented in Figure 10 below.

[58] Ex MNAG-PA-2. U-21305. Final Report, Utility Distribution Audit of DTE Energy, Part One. Pages 38-47.

Figure 10: DTE historical and projected PTMM program spending 2023-2029.



Q. What is your assessment of the Company's decision to increase its pole inspection standards?

A. DTE's interest in catching up on its pole and poletop inspection backlog is appropriate, though the move to inspect pole tops (once every five years) more frequently than poles (once every ten years) is not as common as the Company implies. In my experience, it is very common for utilities to inspect pole tops at the same frequency as poles, as it reduces inspection costs (because poles can be tested and poletops inspected at the same time). To strike a balance between affordability and reliability, and given the relatively small reliability improvement opportunity available to begin with, I recommend the Commission order DTE to relax its visual poletop inspection goal to once every ten years, consistent with DTE's pole structural testing goal. If the Company feels strongly about the five-year cycle, it should complete a benefit-cost analysis comparing the increased costs of more frequent inspections to the customer benefits of more frequent

inspections (the dollar value to customers of the expected reduction in service interruptions).

Q. Did DTE develop a benefit-cost analysis to determine that the proposed increase in pole and pole top practices and standards was worth the incremental cost?

A. No.[59] Instead, in support of the Company's move to a five-year poletop inspection cycle, DTE cites a benchmarking exercise.[60] One report recommends a pole inspection cycle of 10 years in Michigan. DTE does not cite any sources that recommend a 5-year cycle for poletop inspections. In a benchmarking exercise completed in U-21534, of five midwestern utilities queried, two inspected poletops every ten years and three inspected poletops every five years.[61] In my experience the same cycle for poletops as for poles is more common, and a benchmarking exercise is insufficient support for a five-year poletop inspection cycle. A change in inspection practics, and particularly one DTE expects will cost $1.3 billion to implement 2026 to 2029, should be supported by an analysis that compares the incremental costs of a proposed change in practice to the incremental benefits of the proposed change. DTE appears to have completed no such analysis before reaching a decision to switch to a five-year poletop inspection cycle.

DTE's decisions to adopt new poletop construction standards, including fiberglass crossarms instead of wood, and polymer insulators instead of ceramic, are even less well-supported. DTE cites no utility queries or industry reports for these changes. Again, costly changes in construction standards such as these – and particularly changes of such

[59] DTE responses to MNSCDE 1.8(b)
[60] Exhibit A-23 Schedule M13.
[61] U-21534. Direct Testimony of Morgan Elliot-Andahazy. Table 6, page MEA-34.

cost magnitude -- should be well-supported by a benefit-cost analysis, and ideally a significant pilot effort to inform the inputs to a benefit cost analysis. Neither DTE's decision to move to a 5-year pole-top inspection cycle, nor DTE's decision to increase poletop construction standards, involved pilots or cost-benefit analyses.

Q. Are you familiar with the model DTE's consultant developed to estimate the benefits and costs of the PTMM program?

A. Yes, I am familiar with that model. AG-MN Witness Alvarez covers the deficiencies in that model in his testimony, which I helped him develop. I am in complete agreement with the critiques of the model described in Mr. Alvarez's testimony, but two observations on the consultant's PTMM benefit-cost model stand out for me.

First, the model does not answer the most important question. That is, what are the incremental costs and incremental benefits of the changes to pole and poletop practices and standards DTE implemented in the last few years? The consultant's model was not designed to answer that question. Pole and poletop inspections and testing, and associated equipment repairs and replacements as necessary, are unavoidable costs for distribution utilities. There is no need to estimate the benefits and costs of these activities, as they must be completed for safe and reliable service irrespective of their benefits and costs. It is the *incremental* costs and the *incremental* benefits of the *changes* in practices and standards that should be researched and estimated, but the consultant's model does not do that.

Second, I highlight AG-MN Witness Alvarez's finding that the reductions in customer minutes of interruption the model predicts from DTE's pole and pole-top

maintenance program, at approximately 17.5%,[62] are greater than the 11% of customer minutes of interruption from failures of all types of DTE equipment (refer again to Figure 2 presented earlier). It is clearly not possible for any equipment inspection program to improve reliability by a greater amount than the total service interruptions attributed to equipment failures generally. I share Mr. Alvarez's concern that DTE develops its models to justify increases in capital spending rather than to inform the best business decisions for customers.

Q. Please explain the violations of the Uniform System of Accounts in PTMM program accounting that are not in customers' interest.

A. The Federal Energy Regulatory Commission (FERC) established the Uniform System of Accounts (USOA) to ensure consistent, transparent, and reliable financial reporting and ratemaking among regulated utilities. The USOA is part of the US Code of Federal Regulations, Title 18, Chapter I, Subchapter C. The FERC can impose monetary penalties for violations and require refunds to customers for improperly accounted for costs. Compliance with the USOA is not considered optional for regulated utilities operating in the US.

I observe two primary violations of the USOA in DTE's accounting for its PTMM program. First, routine program activities that comprise a substantial part of PTMM program costs, including pole testing, poletop inspections,[63] and the vegetation

[62] Approximately 10% from pole structural testing (from Figure 4-1, Exhibit A-28, Schedule R3, page 78) and 7.5% from poletop inspections (from Figure 4.4, Exhibit A-28, Schedule RE, page 82).

[63] US Code of Federal Regulations. Title 18 CFR Part 101. Electric Plant Instruction 2 ("Maintenance"). Part A: "The cost of maintenance chargeable to the various operating expense and clearing accounts includes labor, materials, overheads and other expenses incurred in maintenance work. A list of work operations applicable

management[64] often required to complete these, are required by the USOA to be expensed as routine operations and maintenance ("O&M") costs. DTE is capitalizing some or all of these costs as part of the PTMM program.

Second, the USOA specifies that minor repairs and replacements of equipment should be expensed, not capitalized.[65] While the USOA considers poles to be a major item that should be capitalized, I consider replacements of poletop equipment, including crossarms, insulators, cut-outs, lightning arrestors, and similar, to be minor repairs and replacements. For example, the Company reports that a fiberglass crossarm costs just [[BEGIN CONFIDENTIAL]] [redacted] [[END CONFIDENTIAL]] As a result, these costs should be classified as O&M expenses. DTE is capitalizing these minor poletop equipment replacements as part of the PTMM program.[67]

The USOA makes an exception in instances in which the new equipment that replaces damaged or defective equipment is of an upgraded material. This exception is relevant to the new DTE construction standard that requires fiberglass crossarms instead of wooden crossarms, and polymer insulators and cutouts instead of porcelain insulators and cutouts. In these instances, the USOA specifies that only the difference in price

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generally to utility plant is included hereunder." Part C.2: "Inspecting, testing, and reporting on condition of plant specifically to determine the need for repairs, replacements, rearrangements and changes and inspecting and testing the adequacy of repairs which have been made."

[64] Ibid. Title 18 CFR Part 101. Expense account 593 "Maintenance of overhead lines", item k, "Trimming trees and clearing brush."

[65] Ibid. Electric Plant Instruction 10.C.3: "When a minor item of depreciable property is replaced independently of the retirement unit of which it is a part, the cost of replacement shall be charged to the maintenance account appropriate for the item, except that if the replacement effects a substantial betterment (the primary aim of which is to make the property affected more useful, more efficient, of greater durability, or of greater capacity), the excess cost of the replacement over the estimated cost at current prices of replacing without betterment shall be charged to the appropriate electric plant account."

[66] DTE response to MNSCDE-1.9(g).

[67] DTE responses to MNSCDE-8.4 (b), (c), (d), and (e).

between standard material and the upgraded material can be capitalized.[68] To summarize, to be compliant with the USOA, the only PTMM program costs DTE should be capitalizing include poles (due to the relatively large dollar amount) and the incremental costs of upgraded crossarms and insulators over their standard wooden and ceramic counterparts. All other PTMM program costs should be expensed.

Q. Is excessive capitalization in the PTMM program in shareholders' interest?

A. Yes, because utilities are authorized by the Commission to earn a rate of return (profits) on capital invested in the grid. Utilities earn no profits on O&M expenses, and in fact, utility profits fall as O&M expenses rise. Thus, shareholders benefit in two ways when routine expenses are capitalized in violation of the USOA. Such excess capitalization 1) increases the capital in rate base on which profits can be earned; and 2) reduces O&M expense, which also increases profits.

Q. Is excessive capitalization in the PTMM program in customers' interest?

A. This question is a bit more difficult to answer and depends on the timeframe. In the short term, rates are lower when the costs of O&M activities are capitalized. Capitalization represents a financing of current spending over a longer time frame. Customers repay capital costs over time in rates, whereas O&M costs are recovered in their entirety from customers in rates as those costs are incurred (in the case of future test year ratemaking as employed in Michigan) or shortly thereafter (in the case of historical test year ratemaking).

[68] Title 18 CFR Part 101. Electric Plant Instruction 10.C.3.

However, in the long-term customers pay more for capitalization. This is because the financing of current spending over a longer time frame incurs additional costs that customers must cover in rates, including utility interest expense, utility profits, and utility taxes on profits. The situation is analogous to the purchase of an automobile. If the purchaser pays for the automobile in cash, the out-of-pocket costs are large and immediate, but the purchaser incurs no interest expense. If the purchaser takes out a loan to buy the auto, he or she incurs lower out-of-pocket costs in the short term, but pays more for the auto in total over time due to the interest the lender charges on the auto loan. In this analogy the auto purchaser is the DTE customer and the lender is DTE.

Q. What is your recommendation?

A. I recommend the Commission order DTE to comply with the USOA as a general rule. Generally speaking, routine and recurring maintenance costs, such as inspections and minor repairs, should be expensed, while major repairs such as pole replacements, and the incremental prices for upgraded materials, should be capitalized. This is what the USOA specifies. In general, I recommend the Commission require the utilities it regulators to follow the USOA. However, in unique circumstances, utility regulators can identify unique remedies.

Q. What constitutes a unique circumstance?

A. When a utility is a decade or more behind schedule on a routine maintenance activity, as DTE appears to be with pole/poletop testing/inspection, one-time catch-up spending is required, as indicated by DTE's billion-dollar PTMM program spending proposal. It may not be equitable to ask customers to cover this catch-up spending all at once, particularly

as the need to pay for catch-up activity is not a situation customers created. DTE decisions to defer pole/poletop testing/inspection year after year created the current need for catch-up activity. The Commission is therefore between a rock and a hard place. It should be demanding that utilities comply with the USOA, but in a catch-up situation as large as the one DTE has created, such demands will result in exceptional rate increases.

Q. How do you recommend the Commission address this challenge?

A. I believe the Commission should maintain its general position that the utilities it regulates must comply with the USOA established by the Federal Energy Regulatory Commission and the US Code of Federal Regulations.[69] Yet, at the same time, the Commission could recognize the need for DTE to catch up on pole/poletop testing/inspection as a special circumstance requiring a temporary departure from the Commission's general position. Indeed, the Commission has previously recognized the existence of special circumstances in DTE's need to catch up on deferred vegetation management, ordering DTE to defer catch-up costs as a regulatory asset for future consideration for securitization funding. Recognizing that deferred vegetation management was a situation of DTE's own making, the Commission ordered that the regulatory asset would not earn DTE's pretax cost of capital, but DTE's short-term debt cost rate, while awaiting securitization funding.[70]

Q. Is DTE's deferred pole/poletop testing/inspection situation similar to its deferred tree trimming situation?

[69] Michigan Admin Code R. 460.9002.
[70] U-20162. Commission Order dated May 2, 2019. Page 80.

A. In my estimation they are exactly the same situation. Both situations were caused by DTE's decisions to defer routine, repetitive, mandatory maintenance activities. Both situations arose over a number of years, and will require years to remedy. The cost to complete the catch-up activities is estimated to be over a billion dollars in both cases. In both cases, I believe customers are entitled to the cost relief available from securitization.

Q. Assuming that the Commission agrees that DTE's pole testing and poletop inspection situation is similar to the Company's vegetation management situation, what is your recommendation?

A. I recommend that the Commission take the steps necessary in this proceeding to enable future consideration of securitized loan funding for pole testing and pole top inspection catch-up. For now, this would mean ordering DTE to defer PTMM program costs to a regulatory asset, and ordering that DTE can earn no more than the Company's short-term cost of debt on the regulatory asset as it awaits securitized funding. Given that DTE is likely at least a decade behind schedule for pole testing and poletop inspections, I would consider 100% of PTMM spending DTE requests for cost recovery in the 2026 test year -- $200 million – to be catch-up spending that is suitable for deferral and future consideration as to securitization funding in this manner.

Further, I recommend the Commission reject DTE's request for IRM recovery of $1.12 billion in PTMM program costs 2027-2029. This is necessary to ensure full review before approving spending multiple years into the future, and also provide time for the Commission to consider securitization. The justification is that it is premature to grow IRM spending, and also that the backlog is a problem of DTE's own making, and that shareholders have already benefitted from O&M spending that was avoided as the

backlogs grew. Shareholders should not now be able to profit again (through capitalization of PTMM catch-up costs) from the DTE decisions that created the backlog in the first place.

Q. What is the Auditor's assessment of the PTMM program?

A. The Auditor recommends increasing the frequency of visual poletop inspections to once every five years, or double the frequency of pole structural testing (once every ten years). As indicated above, DTE has adopted this recommendation. However, the Auditor makes some statements that seem to support this recommendation and others that seem to question it.

Q. Can you be more specific?

A. Auditor statements I will address that seem to support the Auditor's recommendation to adopt a 5-year visual poletop inspection cycle include: 1) Distribution lines cause 88% of SAIDI minutes, indicating poor equipment condition;[71] and 2) DTE's pole plant age is greater than that of similarly situated electric utilities.[72] Statements I will address that seem to conflict with the Auditor's recommendation to adopt a 5-year visual poletop inspection cycle include: 1) "Observed rate of poor pole conditions requiring attention was low;"[73] and 2) " . . . costs (of a 5-year cycle) are likely to be significantly higher than what DTE has (formerly) proposed under its 10-year cycled PTMM program."[74]

[71] Ex MNAG-PA-2. U-21305. Final Report, Utility Distribution Audit of DTE Energy, Part One, page 90.
[72] Ibid, Part One, page 23.
[73] Ibid, Part One, page 48.
[74] Ex MNAG-PA-3. U-21305. Final Report, Utility Distribution Audit of DTE Energy, Part Two, page 43.

Q. Please address the Auditor statements that seem to support the recommendation to increase the visual poletop inspection cycle to once every five years.

A. The statement that distribution lines cause 88% of SAIDI minutes, while perhaps accurate, is extremely misleading and should not be perceived as an indication that poletop equipment condition is poor. Referring back to Figure 2 once again, 79.7% of the SAIDI minutes are due to trees, wind, and weather. These affect the reliability of distribution lines, but do not imply that poletop equipment is deficient. Only 11% of SAIDI minutes are related to equipment issues, and my analysis of field notes on a sample of service interruptions categorized as "equipment" indicates that even this percentage is likely overstated.[75] I further note that among outages categorized as "equipment," field note references to pole and pole top equipment are extremely rare.[76]

The Auditor states that the age of DTE's poles is greater than that of other utilities. I would note that the chart in Mr. Robinson's testimony that provides a distribution of poles by age[77] is not different from pole age distribution charts I have seen from other utilities.

Q. Please address the Auditor statements that seem to conflict with a recommendation to increase the visual poletop inspection cycle to once every five years.

A. The statement that the observed rate of poor pole conditions requiring attention was low speaks for itself. That an increased frequency of inspections will increase costs merits further discussion. In recognition of this, the Auditor suggests deferring less critical

[75] DTE response to MNSCDE-1.1b Sample of Redacted Outage Field Notes, tab "Sample Field Notes".
[76] Ibid.
[77] Direct Testimony of Mr. J.E. Robinson. Figure 6, page 21.

work identified through inspection to future cycles.[78] I do not perceive this to be a workable option. When an inspection identifies defects, it is typical utility practice to correct the defects in a way that complies with the construction standards in effect at the time. I am not sure it is possible to determine that replacing a burned lightning arrestor should be deferred while replacing a broken crossarm support brace should not be deferred. Further, I note that an inspection cycle involves fixed costs that are not reduced by deferring some repairs.

Given the extremely high cost of completing an inspection cycle and given the relatively low opportunity to improve reliability through increased poletop inspection frequency (based on historical outage cause data), I believe relaxing the once-in-five-year cycle for visual poletop inspections to once-in-ten years is appropriate. This will reduce costs, improve efficiency (as it can be completed at the same time as pole structural testing), and have little if any adverse impact on reliability performance, In my experience, this is also consistent with most other utilities' practices.

Q. Please summarize your PTMM recommendations to the Commission.

A. My PTMM program recommendations are that the Commission:

- Order the visual poletop inspection frequency requirement be relaxed from once every five years to once every ten years (in recognition of the fact that the reliability improvement opportunity is simply not that significant);
- Reiterate its position that Michigan utilities, including DTE, are to comply with FERC's USOA unless specifically authorized to the contrary;

[78] Ex MNAG-PA-3. U-21305. Final Report, Utility Distribution Audit of DTE Energy, Part Two, Page 43.

- Order DTE to defer $200 million in catch-up PTMM costs proposed for the 2026 test year as a regulatory asset in preparation for future consideration for funding through securitization, and that said asset should earn only DTE's short-term debt rate while awaiting disposition, just as the Commission ordered for vegetation management's ETTP and Surge programs;
- That the Commission should deny DTE's request to spend $1.12 billion on PTMM to be collected through the IRM 2027-2029 (to provide the Commission with time to consider securitization funding for PTMM catch-up spending).

VI. 4.8kV (AND 8.3kV) CIRCUIT CONVERSIONS: SPEED SHOULD BE TEMPERED BY NEED

Q. Please summarize this section of testimony.

A. In this section of testimony I will summarize the 4.8kV (and 8.3kV) circuit conversion program and the Company's proposal; present my assessment of the program and proposal; summarize the Auditor's assessment of the program and proposal; and conclude with my recommendations.

Q. Please summarize DTE's 4.8kv and 8.3kV circuit conversion program.

A. DTE has 16,720 miles of overhead 4.8kV and 8.3kV line miles (and 2,372 miles of underground 4.8kV and 8.3kV lines), or 40% of total distribution miles.[79] The Company aspires to convert all circuits not already operating at 13.2kV to 13.2kV operations by about

[79] 2023 DGP, Exhibit A-23 Schedule M8, Exhibit 9.3.1.2, p. 109 of 274.

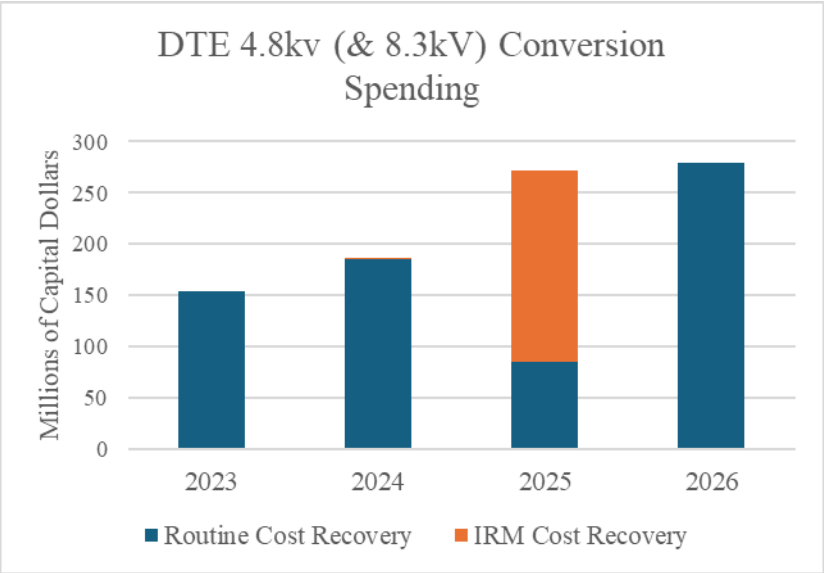
2040, or within about 15 years.[80] The Company estimates the cost to complete the conversion will be as much as $25 billion in today's dollars,[81] or over $11,000 for every one of DTE's 2.25 million customers. It is very possible that the total cost will be dramatically higher than $25 billion.[82]

Q. Please summarize the Company's spending plan for the circuit conversion program.

A. DTE is proposing $279.8 million in program spending for the 2026 test year. This is the highest single-year conversion program budget to date (see Figure 11 below). If DTE maintains this level of annual capital spending through 2040, it is possible it will reach its goal of converting all circuits to 13.2kV by 2040. Of course, this begs the question as to whether DTE *should* convert all circuits to 13.2kV by 2040.

[80] *Id.* at 120-21 ("the Company has developed an aspirational goal to convert all the lower voltage (4.8kV and 8.3kV) circuits and substations by 2040.").
[81] *Id.* at 120.
[82] This cost estimate may be low; the average cost per mile converted noted in the 2023 Technical Conference ($2.7 million) multiplied by 16,720 miles is over $45 billion. *See* U-21534 Exhibit A-23 Schedule M12 slide 34.

Figure 11: Circuit Conversion program capital spending, 2023-2026



Q. Do you think the Company should convert all circuits to 13.2kV by 2040?

A. This is an artificial goal, in my opinion, presumably designed (like most DTE goals) to accelerate capital spending and growth in earnings. In my experience, load growth forecasts specific to circuits and substations should govern circuit and substation conversions. (A 13.2kV circuit can handle three times the load of a 4.8kV circuit, all else held equal.) When a load growth forecast indicates a substation's firm capacity rating is likely to be exceeded in the next three to five years, conversion planning should commence. The discussion earlier about the lack of load growth on the distribution substations DTE proposes to rebuild at higher capacities as part of the System Loading program indicates that there should be no extreme sense of urgency to convert all circuits to 13.2 kV by 2040.

Q. **What about the demands of electric vehicles?**

A. I believe the concern about electric vehicle demands on the grid are exaggerated, and particularly so for most 4.8kV circuits and substations. Even under DTE's high EV

adoption load forecasts, the Company estimates associated loads will comprise just 14.6% of system peak by 2037.[83] These load increases are likely to be concentrated among certain substations and not others. DTE should not rush to complete all circuit conversions by 2040 when circuit-specific load growth forecasts would likely indicate that only a subset of 4.8kV circuits must be converted by 2040.

Q. What is the Auditor's assessment of DTE's conversion program and proposal?

A. The Auditor expresses the same concerns regarding the pace of DTE's circuit conversion efforts that I have. Relevant recommendations and observations include 1) Limit 4.8kV conversions to those necessary for substation capacity reasons;[84] 2) There is a need to formulate in the near term a longer term plan identifying how much of the 4.8kV system to convert and over what duration;[85] 3) The Pontiac 8.3kV conversion does not appear to present an immediate need for execution.[86]

Q. Is reliability a reasonable justification for converting the Company's circuits promptly?

A. No. Reliability improvement is not a reasonable justification because data the Company provided in discovery in U-21297 shows the reliability of 13.2kV circuits (as measured by system average interruption duration without major event days) was worse during 2018-2022 (124 minutes) than the reliability of 4.8kV circuits over the same time period (97

[83] U-20147. DTE's 2023 Distribution Grid Plan. Exhibit 3.1.1.4, page 24. (Exhibit A-23, Schedule M8).
[84] Ex MNAG-PA-3. U-21305. Final Report, Utility Distribution Audit of DTE Energy, Part Two, page 85.
[85] Ibid, page 83.
[86] Ibid, page 84.

minutes).[87] DTE should be required to document, on a project-level basis, reliability improvements resulting from conversion.

Q. What is your perspective on the capacity justification for converting 4.8kV circuits?

A. Regarding capacity, of the Company's approximately 2,000 4.8kV circuits, the peak loads on just 111 (5.7%) of these exceeded their day-to-day equipment ratings as of 2022.[88] DTE load growth in the past few years has not been significant, meaning that the sense of urgency to accelerate the pace of circuit conversions is low.

Q. The Commission has approved significant amounts for circuit conversion in recent years, has it not?

A. Yes. Table 4 below indicates the Commission approved an average of about $200 million annually, from 2023-2025, for circuit conversions. This level of spending seems to far exceed the amount needed to meet load growth. As indicated earlier, load growth on DTE's system overall is extremely slow.

Table 3: Commission-approved spending for circuit conversions 2023-2025.

($ in millions)	2023	2024	2025	Average
Routine Cost Recovery	153.71	185.44	85.77	
IRM Cost Recovery		1.61	185.81	
Total Commission Approved	153.71	187.05	271.58	204.11

Q. How would you slow the pace of 4.8kv circuit conversions?

[87] Using data provided by DTE in Case No. U-21297, U-21297 MNSCDE 2.2-01 Non-AC Network Circuits.xlsx.
[88] Ibid.

A. In examining the projects incorporated into the Company's 2026 test year capital spending request, picking out specific projects to eliminate is difficult. A significant amount of spending is to complete multiple, interdependent projects that are already underway; these will be difficult to terminate prematurely. Even for projects that have yet to begin, much of the spending proposed for 2026 is low risk, such as purchases of property for future new substations. Care must be taken to ensure that while slowing the rate of 4.8kV circuit conversions, extra costs are not incurred.

The best way to slow the pace of 4.8kV circuit conversions is to identify projects not necessary to accommodate load growth before the projects begin. To do that, I recommend the Commission, Staff, stakeholders, and DTE work together to establish standards and protocols for load forecasting, objective thresholds for project approval, objective thresholds for substation retirement/multi-circuit projects, project budgeting and cost tracking, and so on. Given the tens of billions of dollars at stake, the rate at which two-thirds of the Company's infrastructure is essentially going to be rebuilt should not be a decision DTE makes on its own, driven as the Company is to advance shareholder interests.

Q. Have you identified any examples you can share?

A. DTE's 2026 Test Year request includes $1.5 million to purchase land for a new 13.2 kV Substation DTE is calling Gross Pointe North. As I mentioned above, land purchases are a low-risk activity, and purchasing in advance ultimately reduces costs for customers (because land prices typically increase over time). I therefore do not recommend removing the proposed purchase from DTE's 2026 test year capital spending request. The project is related to another Gross Point conversion project with $3.4 million in

spending identified in DTE's 2026 test year capital plan. On its own, this request also appears fairly innocuous.

Upon further review, however, these projects are massive. The Gross Point North project cost is estimated at over $354 million dollars to serve just 16,000 customers (an astounding $22,750 per customer). And the other Gross Point project is expected to cost $169 million dollars while serving 30,000 customers.[89] Of these two projects, the latter seems more necessary based on loading, and it is less costly too. But to make informed decisions, intervenors should not have to dig through hundreds or thousands of pages of materials in the limited time frame of a litigated rate case just to find the projects for which additional investigation and evaluation is warranted. Defined processes are sorely needed.

Q. Are you certain no projects in the list of circuit conversions can be deferred?

A. Of course not. Intervenors and experts have limited time, budgets, and procedural opportunity to work with, and investigations take time. DTE's distribution operations capital plan alone is $1.9 billion in 2026,[90] spread over hundreds of programs and thousands of projects. It represents a 21% increase over the distribution operations capital plan filed just one year ago for 2025. However, a few specific conversion projects for which accommodation of growing loads does not appear urgent is available for deferral. Further, the projects are somewhat isolated from others, and do not present significant operational difficulties if interrupted. As the Auditor correctly identified, the Pontiac 8.3kVoverhead and underground circuit conversion programs present a

[89] Exhibit A-23 Schedule M6. Pages 194 ad 287, respectively.
[90] Exhibit A-12 Schedule B5.4. Page 1.

reasonable deferral opportunity, and are proposed at $15.8 million and $4.9 million in the 2026 test year, respectively. If the Commission is looking for low-risk ways to defer capital spending – as I believe it should be – cutting these two programs represents a reasonable opportunity to do so.

Q. Please summarize your recommendations regarding DTE's circuit conversion program.

A. My recommendations include:

- Prohibit circuit and substation conversions absent bona-fide load forecasts indicating loads will exceed 90% of equipment ratings in the next three to five years.
- Reduce 2026 test year spending by the $20.7 million proposed for the 8.3kV overhead and underground circuit conversions in Pontiac.

VII. STRATEGIC UNDERGROUINDING: THROWING GOOD MONEY AFTER BAD

Q. Please describe DTE's strategic undergrounding program.

A. The program replaces overhead lines, and the overhead service drops that lead from these lines to customer premises/meters, with underground lines and services. The program is targeted to overhead lines in "backlot" locations, in which DTE crews must cross into customers' yards, without the help of bucket trucks, to maintain overhead lines. The inability of bucket trucks to access overhead lines in backlots also complicates vegetation management. This situation occurred over decades, as homeowners expanded their yards

into the alleys where DTE commonly constructed overhead lines. It is an unfortunate situation that is extremely common among utilities in the US.

Q. What has the program accomplished so far?

A. DTE describes its strategic undergrounding program as a pilot program. It has completed just two pilot projects so far. The Appoline undergrounding project cost $14,672.13 per customer, while the Buffalo-Charles pilot cost $37,908.50 per customer.[91] These pilots seemed to have fulfilled their purpose, which was to determine if undergrounding is a feasible way to improve reliability and reduce operations and maintenance costs. At such an extreme cost, it is clear that undergrounding overhead lines is not cost-effective. Available research conducted in a hurricane state (Texas) confirms this.[92]

Q. What is DTE proposing in the way of additional pilots in its instant application?

A. DTE is proposing two more pilot projects at a total cost of $14 million.

Q. What does the Auditor make of DTE's strategic undergrounding program?

A. The Auditor recommends avoiding commitments to an undergrounding program until the results from carefully planned pilots are available.[93] From my perspective, such results are already available. The extremely high cost per customer indicates that undergrounding of overhead lines is not economically feasible. For the sake of argument, assume that DTE has 200,000 customers with overhead service in backlots, and that the cost of

[91] U-21534. Direct Testimony of Dennis Stephens dated July 26, 2024. Pages 42-43.
[92] Larsen P., *A Method to Estimate the Costs and Benefits of Undergrounding Electricity Transmission and Distribution Lines*. Lawrence Berkeley National Laboratory report LBNL-1006394, p. 35. Accessed July 25, 2024, available at https://eta-publications.lbl.gov/sites/default/files/lbnl-1006394_pre-publication.pdf (showing ratio of $0.30 in benefits for every $1 spent).
[93] Ex MNAG-PA-3. U-21305. Final Report, Utility Distribution Audit of DTE Energy, Part Two, Page 85.

undergrounding those lines averages $26,000 per customer.[94] Given all the priorities and challenges facing DTE and given the Company's distinct lack of success in spending capital to improve reliability, the Commission should not seriously consider approving a program that could ultimately cost $5 billion or more (200,000 customers x $26,000 per customer). If the extreme cost of undergrounding means the Commission would not ultimately approve a full scale program, there is no need for additional pilots.

Q. What is your recommendation regarding the strategic undergrounding pilot program?

A. I recommend the Commission order that the program be terminated and that $14 million be removed from DTE's 2026 Test Year capital spending request.

VIII. REVIEW, SUMMARY, AND CONCLUSION

Q. Please review your testimony.

A. This testimony began with the overall theme that despite the attractive cost recovery mechanisms DTE has been awarded, and despite the massive capital spending increases these mechanisms have made possible, the primary justification for these mechanisms and capital spending increases – improved reliability – has not been achieved. Indeed, the evidence shows that DTE's reliability has continued to deteriorate. As a result, I encourage the Commission to consider that increases in O&M spending can deliver the results the Commission seeks.

[94] The average cost per customer of the Appoline and Buffalo Charles projects was $26,290.

This testimony then provided support for my conclusions regarding various DTE capital spending programs, including many that are consistent with the Auditor's findings. My supported conclusions regarding various programs include:

- That Distribution Automation is not a reliability silver bullet;
- That many Subtransmission Redesign and Rebuild projects represent capital in search of problems to solve;
- That System Loading projects are premature and overly costly responses to capacity issues, particularly given low- to no load growth for many of the DTE substations and system-wide;
- That DTE's PTMM program is essentially a DTE strategy to increase capital spending, including an effort to capitalize routine operations and maintenance spending;
- That the speed of DTE's 4.8kV circuit conversion program should be tempered by need (defined as the need to accommodate growing loads on a substation and circuit-specific basis); and
- That the strategic undergrounding program throws good money after bad.

Q. Please summarize your recommendations to the Commission.

A. My recommendations are summarized in the table below.

Spending Category	Summary of recommendations
Distribution Automation (No Silver Bullet)	1. Notify DTE that the Commission will not approve future requests to deploy distribution automation

	for reliability purposes until DTE maintenance backlogs (ETTP and PTMM) are cleared. 2. Order DTE to analyze the reliability results from existing deployments before approving additional capital for distribution automation related to reliability improvements. 3. Increase the $600 million reduction the auditor recommended to an $847 million reduction, consisting of a $735 million reduction in IRM spending requests 2027-2029 plus a $112 million reduction to DTE's $115.6 million distribution automation request for the 2026 test year. 4. Refuse to consider DTE's "Alternative" proposal to increase the 2026 IRM amount the Commission has already approved for $24.4 million to $140 million.
Subtransmission Redesign and Rebuild (Capital Projects in Search of Problems to Solve)	1. Reject DTE's request for $323.5 million in IRM spending 2027-2029; and 2. Require risk-informed benefit-cost analyses be completed before projects or programs over $10 million in total capital cost can be approved. 3. Refuse to consider DTE's "Alternative" proposal to increase the 2026 IRM amount the Commission has already approved for $53.8 million to $100 million.
System Loading (Costly and Premature Responses to Circuit Overloads)	1. Extend the requirement for greater support for Subtransmission Redesign and Rebuild projects that the Commission identified in its Order in U-21534 to System Loading projects (including the endorsement for risk-informed benefit-cost analysis); 2. Implement a circuit-specific load forecasting capability before DTE's next rate case; 3. Reduce DTE's $70.5 million 2026 test year request for the 12 projects unsupported by load growth ($45.3 million)

PTMM (A DTE Strategy to Capitalize Routine O&M Costs)	1. Relax visual poletop inspection frequency to once every 10 years (consistent with structural pole testing frequency). 2. Reiterate that DTE must comply with FERC's USOA unless specifically authorized otherwise. 3. Recognize that PTMM is a catch-up program (a la Surge), and require DTE to defer the $200 million 2026 test year PTMM request as a regulatory asset (in preparation for potential securitization funding) while earning only DTE's short term debt cost. 4. Reject DTE's request for $1.12 billion in IRM spending 2027-2029 (in preparation for potential securitization funding).
4.8kV (and 8.3kV) Circuit Conversions (Speed Should Be Tempered by Need)	1. Prohibit circuit and substation conversions absent bona-fide load forecasts indicating loads will exceed 90% of equipment ratings in the next three to five years. 2. Reduce 2026 test year spending by the $20.7 million proposed for the 8.3kV overhead and underground circuit conversions in Pontiac.
Strategic Undergrounding (throwing good money after bad)	End the strategic undergrounding pilot program and remove $14 million from the 2026 test year.

Q. Does this conclude your testimony?

A. Yes, it does.

Curriculum Vitae – Dennis Stephens

DS Consulting, 1153 Bergen Pkwy, Evergreen CO 80439 dstephens@wiredgroup.net 303.434.0957

Profile

Mr. Stephens has over 40 years' experience in electric and gas distribution grid planning, design, operations management, and asset management, and the innovative use of technology to assist with these functions. He spent his entire career at Xcel Energy and its subsidiary Public Service Company of Colorado, a distribution utility serving 1.5 million electric customers and 1.4 million gas customers. After a series of electrical and gas engineering and management roles of increasing responsibility, Mr. Stephens retired as the Director of Innovation and Smart Grid Investments for all of Xcel Energy's electric and gas distribution businesses in 2011. He now works for the Wired Group and its clients on a part-time basis.

Career History (all positions with Public Service Company of Colorado or its parent, Xcel Energy)

1976 -- Planning Engineer. Performed electric distribution system planning for Southeast Denver, Boulder, Front Range and Cheyenne divisions, including system protection, voltage support and distribution system design.

1983 – Senior Engineer, Electric Distribution Planning. Provided direction and guidance for junior engineers. Led special projects relating to electric distribution system reliability and design. Promoted to Supervisor of Electric Distribution Planning with a staff of 12 electrical engineers with responsibility for capacity and reliability planning.

1988 -- Manager of Operations, Colorado Front Range Division. Responsible for all electric and gas distribution operations, including a high-pressure gas system (engineering, operations, and construction).

1994 -- Manager of Operations & Maintenance Engineering, Southeast Denver. Managed the design of gas and electric distribution system replacements.

1997 -- Manager, Distribution Reliability Assessment, Xcel Energy South (CO, WY, TX, OK). Led an engineering team focused on electric distribution grid reliability and capacity.

1998 -- Director of Electric and Gas Operations, Southwest Denver Division. Responsible for all aspects of electric and gas engineering, operations, and construction in the Southwest Denver Division.

1999 -- Director of Operations, City and County of Denver Division. Responsible for all aspects of electric and gas engineering, operations, and construction for Division, including downtown Denver. Promoted to Director, New Construction of electric and gas systems for the entire metro area.

2001 -- Director Electric Distribution Asset Strategy, Xcel Energy. Developed and implemented asset management strategies for all electric distribution assets in Xcel Energy's 8-state service area.

2005 -- Director of Utility Innovations and Smart Grid Investments. Led Xcel Energy's Utility Innovations department, developing and implementing new technologies and business processes in multiple electric and gas distribution functional areas. Advanced the concept of an Intelligent Network at Xcel Energy, and led several aspects of the SmartGridCity® demonstration project in Boulder, Colorado. Department secured a national Edison Award for Innovation in 2006. Retired in 2011.

2016 – Senior Technical Consultant, Wired Group.

Noteworthy Projects

Smart Grid Solutions Development, 2010. Worked with several large solution providers to develop and implement technical distribution grid solutions and innovations, including IBM, ABB, and Siemens**.**

DER Integration Strategy and Roadmap Development, 2009. Established DER integration strategy and road-maps for Xcel Energy, including technology and capability roadmap for high DER penetration geographies in Boulder, Colorado.

SmartGridCity™ Project Development, 2008. Developed the technical foundations for the SmartGridCity project in Boulder, Colorado (46,000 customers).

Distribution Automation Design, 2007. Worked with ABB Corporation to design software to identify and locate failures in underground cable. The ABB Smart Analyzer™ was programmed with three traps to capture detailed information using Oscillography/Digital Fault Records (O/DFR).

Utility Innovations Program Development, 2006. Led the development of Xcel Energy's Utility Innovations program, for which Mr. Stephens' team receive a national Edison Award.

Distribution Asset Optimization Process, 2005. Taking advantage of SPL's Centricity Outage Management Program and Itron's Real Time Performance Management system (RTPM), developed a Distribution Asset Optimization process by mining AMI meter data and asset utilization information in the development of an enhanced asset loading forecasting process. The process took advantage of the systems' abilities to forecast sudden changes in usage patterns to take proactive mediation of equipment overloading.

Distribution Asset Optimization Software Development, 2004. Worked with Itron on the development of a Distribution Asset Optimization software program.

Fixed AMI Communications Network Development, 2003. Worked with Itron to pilot one of the first applications of a fixed wireless radio network to collect data from customer meters.

Electric Asset Management Strategy Development, 2002. Developed Xcel Energy's Electric Distribution Asset Management Strategy

Automated Switching System Deployment, 2001. Worked with S&C Electric Corporation to deploy its Intelliteam™ devices on Xcel Energy's distribution grid to reduce the number of customers impacted by an outage by isolate faults through automated switching routines.

High Pressure Gas Pipe Replacement Program, 1988. Initiated and managed the renewal and replacement of 26 miles of high pressure gas pipe, over a 5 year period, reducing the likelihood of seam failures as outlined in an "Alert Notice" issued by the Department of Transportation's Office of Pipeline

Safety. Project roles included community engagement, government and regulator relations (PUC, DOT, EPA), and contractor management. Project completed 1 year ahead of schedule and 14% under budget.

Regulatory Appearances

Wildfire Risk Evaluation and Mitigation Selection. Testimony on behalf of the Office of Consumer Services in Utah PSC Docket No. 24-035-04. February 14, 2025.

Evaluate Cost Containment, Recovery, and Prudence Review Processes Associated with Utilities' Electric Sector Modernization Plans. Joint Direct Testimony with Paul J. Alvarez on behalf of the Attorney General in Massachusetts DPU Case Nos. 24-10, 24-11, and 24-12. January 30, 2025.

Examine AEP Ohio's $350 million Distribution Automation proposal. Testimony on behalf of the Ohio Office of Consumers' Counsel in Ohio PUC Case No. 24-0787-EL-RDR. December 13, 2024.

Evaluate the Prudence of Pepco MRP 1 Year 3 Spending. Panel Testimony with Paul J. Alvarez on behalf of the Office of People's Counsel in Maryland PSC Case No. 9655. November 15, 2024.

Examine Duke Energy's Request to Continue, Expand, or Initiate Various Riders in its Electric Security Plan. Testimony on behalf of the Office of Consumer Counsel in PUCO Case No. 24-278-EL-SSO. October 23, 2024.

Evaluate the Application of Public Service of Oklahoma for a Rate Increase and Changes in Cost Recovery Practices for Some Expenses. Testimony on behalf of Commission Staff in PUD 2023-000086. July 29, 2024.

Evaluate DTE Energy's Request for Rate Increase, and to Extend and Expand Rider IRM. Testimony on behalf of a group of environmental and consumer advocates in Michigan PSC U-21534. July 26, 2024.

Evaluate Commonwealth Edison Company's Refiled Grid Plan. Panel Testimony with Paul J. Alvarez on behalf of the Attorney General in Illinois Commerce Commission Case No. 22-0486. May 23, 2024.

Evaluate Ameren Illinois Company's Refiled Grid Plan. Panel Testimony with Paul J. Alvarez on behalf of the Attorney General in Illinois Commerce Commission Case No. 22-0487. May 13, 2024.

Evaluate Oklahoma Gas & Electric Company's historical spending. Testimony on behalf of the Oklahoma Corporation Commission Staff in PUD 2023-000087. April 26, 2024.

Evaluate National Grid's historical spending and multi-year rate plan. Panel testimony with Paul J. Alvarez on behalf of the Attorney General in Massachusetts DPU Case 23-150. March 29, 2024.

Evaluate Pepco's Second Multi-year Rate Plan. Panel testimony with Paul J. Alvarez on behalf of the Office of People's Counsel in Maryland PSC Case No. 9702. December 15, 2023.

Evaluate BGE's Second Multi-Year Rate Plan (Electric Distribution Components 2024-2027) and Electric Distribution Spending 2021-2022. Panel testimony with Paul J. Alvarez on behalf of the Office of People's Counsel in Maryland PSC Case No. 9692. June 20, 2023.

Evaluate DTE Energy's Request for Strategic Capital Plan Cost Recovery and Infrastructure Recovery Mechanism Rider on behalf of the Attorney General and a group of environmental and consumer advocates in Michigan PSC U-21297. June 13, 2023.

Evaluate Commonwealth Edison's Multi-year Grid Plan. Panel testimony with Paul Alvarez on behalf of the Attorney General in Illinois Commerce Commission 22-0486. May 22, 2023.

Evaluate Ameren Illinois Corporation's Multi-year Grid Plan. Panel testimony with Paul Alvarez on behalf of the Attorney General in Illinois Commerce Commission 22-0487. May 11, 2023.

Evaluate the Technical Justifications for Public Service Oklahoma's $450 million Grid Enhancement and Resilience Plan. Testimony on behalf of the Attorney General in PUD-2022-000093. March 7, 2023.

Evaluate Georgia Power's Transmission and Distribution Spending Proposals. Panel testimony with Paul Alvarez on behalf of Public Interest Advocacy Staff. Georgia PSC 44280. October 20, 2022.

Evaluate Pacific Gas & Electric's 2023-2026 Multi-year Rate Plan. Panel testimony with Paul Alvarez on behalf of AARP. California PUC A.21-06-021. June 10, 2022.

Evaluate the Distribution Business Components of Georgia Power Company's Integrated Resource Plan. Panel testimony with Paul J. Alvarez on behalf of Public Interest Advocacy Staff. Georgia PSC 44160. May 6, 2022.

Evaluate Oklahoma Gas & Electric Company Grid Modernization Spending and Plans. Testimony on behalf of the Office of Attorney General in PUD 202100164. April 27, 2022.

Evaluate Grid Modernization and Advanced Metering Proposals by Massachusetts Utilities. Panel testimonies with Paul J. Alvarez on behalf of the Office of Attorney General in D.P.U. 21-80, 21-81, and 21-82. January 19, 2022.

Dominion Grid Modernization Plan Review. Testimony on behalf of Appalachian Voices/Southern Environmental Law Center. PUR-2021-00127. September 13, 2021.

Avista Utilities' Electric Distribution and Wildfire Spending, Plans, and Processes. Panel testimony with Paul J. Alvarez on behalf of Public Counsel. WUTC 200900, 200901, and 200894. April 29, 2021.

Pepco's 2021-2023 Grid Investment and Plan. Panel testimony with Paul J. Alvarez on behalf of the Maryland Office of People's Counsel. MDPSC 9655. March 3, 2021

Baltimore Gas & Electric Company's 2021-2023 Grid Investment and Operations Plan. Panel testimony with Paul J. Alvarez on behalf of the Maryland Office of People's Counsel. MD PSC 9645. Aug 14, 2020.

Review of Maryland Utilities' 2019 Annual Performance Reports. Comments of the Office of People's Counsel. MD PSC 9353. June 8, 2020

Duke Energy Carolinas/Duke Energy Progress $2.3 billion Grid Improvement Plan. Testimony before the North Carolina Utilities Commission critiquing Duke Energy's Plan on behalf of a group of environmental and consumer advocates. NCUC E-7, Sub 1214 Feb 18, 2020 & E-2, Sub 1219 Mar 25, 2020.

Indianapolis Power and Light's proposed $1.2 billion Grid Improvement Plan. Testimony before the Indiana Utility Regulatory Commission on behalf of the City of Indianapolis critiquing Indianapolis Power and Light's proposed $1.2 billion Grid Improvement Plan. Cause 45264. October 7, 2019.

Investigation into Distribution Planning Processes. Comments to the Michigan Public Service Commission recommending a transparent, stakeholder-engaged distribution planning process. U-20147. September 11, 2019.

New Hampshire Public Utilities Commission Distribution Planning/Grid Modernization Proceeding. Comments in IR 15-296 describing a transparent, stakeholder-engaged distribution planning process.

Pacific Gas and Electric 2019 General Rate Case. Testimony in A.18-12-009 on behalf of TURN related to $270 million in proposed "Integrated Grid Platform" investments.

Southern California Edison 2017 General Rate Case. Testimony in A.16-09-001 on behalf of TURN related to $2.3 billion in proposed grid modernization investments.

Pacific Gas and Electric 2016 General Rate Case. Testimony in A.15-09-001 on behalf of related to $100 million in proposed grid modernization investments.

Notable Publications and Presentations

Alternative Ratemaking in the US: A Prerequisite for Grid Modernization, or an Unwarranted Shift of Risk to Customers? With Paul Alvarez, Kenneth Costello, and Sean Ericson. Electricity Journal. Volume 35 (October 2022).

Utility Regulation Through Legislation: A Cautionary Tale for Legislators, Regulators, Stakeholders, and Utilities. With Paul Alvarez and Sean Ericson. Electricity Journal. Volume 34 (August 2021).

Florida Storm Protection Plans: A Bonanza for Utilities, A Bust for Consumers and the State. Whitepaper co-authored with Paul J. Alvarez for AARP-Florida. October 5, 2020.

Challenging Utility Grid Modernization Proposals. With Sean Ericson and Dennis Stephens. Public Utilities Fortnightly. Part 1, August, 2020, pages 59-62; Part 2 to be published September, 2020.

The Rush to Modernize: An Editorial on Distribution Planning and Performance Measurement. With Paul Alvarez & Sean Ericson. Accepted for publication by Public Utilities Fortnightly. Anticipated publication June, 2019.

Modernizing the Grid in the Public Interest: Getting a Smarter Grid at the Least Cost for South Carolina Customers. Whitepaper co-authored with Paul Alvarez for GridLab. January 31, 2019

Modernizing the Grid in the Public Interest: A Guide for Virginia Stakeholders. Whitepaper co-authored with Paul Alvarez for GridLab. October 5, 2018.

DistribuTECH 2010, Tampa, Florida. "Realizing the Benefits of DER, DG and DR in the Context of Smart Grid"

OSI 2008 User's Conference, Denver, Colorado; DistribuTECH 2007, San Diego, California. "Smart Grid City: A blueprint for a connected, intelligent grid community"

ABB 2007 World Conference, Jacksonville, Florida. "Use of Distribution Automation Systems to identify Underground Cable Failure"

North American T&D Conference 2005, Toronto, Canada; Itron 2005 User Conference, Boca Raton, Florida. "Xcel Energy Utility Innovations and Distribution Asset Optimization"

DistribuTECH 2005, San Diego, California. "How Advanced Metering Technology is Driving Innovation at Xcel Energy"

Education

Bachelor of Science Degree in Electrical Engineering, 1975, University of Missouri at Rolla.

Awards

Led Xcel Energy team that received a National Edison Award for Utility Innovations, 2006.

Exhibit MNAG-DS-3

(Analysis of DA ineffectiveness)

CONFIDENTIAL

Michigan Public Service Commission
DTE Electric Company
2024 IRM Capital In-serviced Expenditures
4.8kV Circuit Automation
($000)

Case No.: U-21845
Exhibit: A-7
Witness: B. F. Miller
Page: 1 of 2

Line No.	(a) Description	(b) Unit of Measure	(c) Estimated Number of Units	(d) Estimated 2024 In-Service Capital	(e) Actual Number of Units	(f) Actual 2024 In-Service Capital
	Circuit					
1	ALNPK1305	Each	3.00	420	3.00	386
2	ALNPK1833	Each	3.00	420	4.00	573
3	ALNPK2197	Each	3.00	420	3.00	478
4	ALNPK1284	Each	3.00	420	2.00	264
5	ALNPK2044	Each	3.00	420	3.00	357
6	ALNPK1369	Each	3.00	420	4.00	409
7	SHERW0321	Each	3.00	420	4.00	453
8	SHERW0322	Each	3.00	420	4.00	533
9	REDFD1363	Each	3.00	420	6.00	754
10	REDFD1240	Each	3.00	420	3.00	428
11	REDFD2120	Each	3.00	420	4.00	523
12	REDFD1067	Each	3.00	420	-	-
13	CULLY2107	Each	3.00	420	-	-
14	GULLY2219	Each	3.00	420	5.00	701
15	GULLY1987	Each	3.00	420	4.00	526
16	GULLY1985	Each	3.00	420	1.00	135
17	WAYBN2089	Each	3.00	420	2.00	174
18	WAYBN1161	Each	3.00	420	4.00	443
19	WAYBN2121	Each	3.00	420	4.00	410
20	WAYBN1152	Each	3.00	420	3.00	360
21	INKST0315	Each	3.00	420	1.00	124
22	INKST2021	Each	3.00	420	5.00	536
23	INKST2026	Each	3.00	420	1.00	158
24	SIXMI1251	Each	3.00	420	3.00	365
25	SIXMI1216	Each	3.00	420	4.00	431
26	STOPL1078	Each	3.00	420	3.00	427
27	STOPL1239	Each	3.00	420	3.00	339
28	STOPL1465	Each	3.00	420	1.00	121
29	STOPL0454	Each	3.00	420	-	-
30	GAY 2829	Each	3.00	420	4.00	443
31	GAY 1926	Each	3.00	420	2.00	196
32	GAY 1747	Each	3.00	420	3.00	369
33	GAY 1762	Each	3.00	420	3.00	294
34	EVRGN1228	Each	3.00	420	5.00	545
35	EVRGN1117	Each	3.00	420	3.00	295
36	EVRGN1062	Each	3.00	420	4.00	571
37	HEMLK1995	Each	3.00	420	2.00	222
38	HEMLK1952	Each	3.00	420	2.00	208
39	HEMLK1958	Each	3.00	420	6.00	633
40	REDFD1064	Each	3.00	420	6.00	731
41	HASKL1619	Each	3.00	420	4.00	483
42	HASKL1788	Each	3.00	420	3.00	349
43	HASKL1625	Each	3.00	420	3.00	387
44	HASKL1852	Each	3.00	420	3.00	322
45	SYRAC2063	Each	3.00	420	4.00	433
46	SYRAC2018	Each	3.00	420	3.00	324
47	SYRAC2017	Each	3.00	420	4.00	462
48	SYRAC2059	Each	3.00	420	2.00	204
49	LYNCH0124	Each	3.00	420	1.00	116
50	LYNCH2227	Each	3.00	420	3.00	361
51	LYNCH2260	Each	3.00	420	2.00	195
52	WCHTR1937	Each	3.00	420	3.00	332
53	WCHTR1611	Each	3.00	420	2.00	227
54	WCHTR2675	Each	3.00	420	2.00	228
55	COOLG1263	Each	3.00	420	5.00	654
56	COOLG2080	Each	3.00	420	3.00	435
57	CORTL0476	Each	3.00	420	-	-
58	CORTL1090	Each	3.00	420	4.00	492
59	CORTL1076	Each	3.00	420	4.00	465
60	WEBST2722	Each	3.00	420	3.00	319
61	WEBST0377	Each	3.00	420	1.00	126
62	WEBST0374	Each	3.00	420	-	-
63	WEBST1932	Each	3.00	420	5.00	540
64	ANNCH1361	Each	n/a	n/a	5.00	502
65	EMPIR1367	Each	n/a	n/a	1.00	98
66	YPSIL0314	Each	n/a	n/a	3.00	300
67	YPSIL0317	Each	n/a	n/a	1.00	115
68	PURTN1020	Each	n/a	n/a	2.00	224
69	STLUS1099	Each	n/a	n/a	3.00	263
70	PURTN1044	Each	n/a	n/a	1.00	93

Michigan Public Service Commission
DTE Electric Company
2024 IRM Capital In-serviced Expenditures
4.8kV Circuit Automation
($000)

Case No.: U-21845
Exhibit: A-7
Witness: B.F. Miller
Page: 2 of 2

Line No.	(a) Description	(b) Unit of Measure	(c) Estimated Number of Units	(d) Estimated 2024 In-Service Capital	(e) Actual Number of Units	(f) Actual 2024 In-Service Capital
	Circuit					
71	STLUS1394	Each	n/a	n/a	1.00	91
72	FRMNT1593	Each	n/a	n/a	-	-
73	NUNLY0364	Each	n/a	n/a	1.00	93
74	HARPR1890	Each	n/a	n/a	1.00	92
75	HARPR2404	Each	n/a	n/a	1.00	148
76	NUNLY1949	Each	n/a	n/a	2.00	215
77	SYRAC1902	Each	n/a	n/a	2.00	236
78	MELRO1478	Each	n/a	n/a	1.00	115
79	EVRGN1766	Each	n/a	n/a	1.00	141
80	SYRAC1813	Each	n/a	n/a	1.00	99
81	NAVAR2066	Each	n/a	n/a	3.00	339
82	NAVAR1172	Each	n/a	n/a	1.00	116
83	GULLY2107	Each	n/a	n/a	4.00	429
84	NAVAR2065	Each	n/a	n/a	5.00	522
85	WCHTR2687	Each	n/a	n/a	1.00	111

MPSC Case No: U-21860

Requester: MNSC

Question No.: MNSCDE-3.48

Respondent: R. Steudle

Page: 1 of 2

Question: 48. Refer to Case No. U-20147, and to DTE's Distribution Grid Plan dated September 29, 2023. Exhibit 11.0.1 projects tree trimming spending by year 2024-2028. Refer also to Ex. A-13 Schedule C5.6.1 in the instant Case, which indicates $128.962 million in tree trim spending in 2025 and $180 million in tree trim spending in 2026. Assuming DTE spends the amounts projected by year (as provided in the table below), please estimate, by year, the miles of overhead lines DTE will trim 2025-2028 by i) distribution line miles and ii) subtransmission line miles.

Year:	2025	2026	2027	2028
Source:	Ex. A-13 C5.6.1	Ex. A-13 C5.6.1	2023 DGP	2023 DGP
Spending:	$128.962 M	$180.000 M	$103.0 M	$106.0 M

Answer: The table provided in this question misrepresents the Company's projected tree trimming expenses for 2025–2028. It omits the $116.016M base spend for 2025, showing only the $128.962M regulatory deferral (Exhibit A-13, Schedule C5.6, p1, col. (s), line 19). Additionally, the 2027 and 2028 figures from the 2023 DGP should not be relied upon for two reasons. First, similar to the Tree Trim commentary in "Schedule M8 – Exhibit 11.0.1" as part of attachment titled "U-21860 STDE-2.1.-2.2 Comparison of 2026 in the DGP to Current Rate Case" in Witness Chiu's response, these forecasts were errors. Second, the DGP was developed between 2022 and 2023 and does not reflect the Company's current post-Surge strategy which is discussed in Witness Steudle's U-21860 direct testimony (refer to page 15, line 14 titled "Part III – Post Surge 2026 and Beyond" for this discussion). As Witness Chiu further explains in his response to STDE-2.1:

> *While the DGP continues to serve its purpose of providing strategic direction for DTE's distribution investments, timing and expense variances can*

Co-respondent: B. Chiu

MPSC Case No: U-21860

Requester: MNSC

Question No.: MNSCDE-3.48

Respondent: R. Steudle

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accumulate and sometimes compound between the DGP and subsequent rate case proposals due to changes in factors such as, but not limited to, interest rates, public policy (including regulation and rate orders), intervening customer service requests, opportunities to improve efficiency, weather, and supply chain issues. The variances with subsequent years' rate case filings will have greater fluctuations as more time passes between the 2023 DGP filing and each of the subsequent rate case filings.

The above corrections notwithstanding, please refer to the below table for estimated 2025 – 2028 trim line miles for both distribution and subtransmission:

Year	2025 Budget	2026 (Est.)	2027 (Est.)	2028 (Est.)
Distribution Miles	5,601	5,200	4,950	4,750
Subtransmission Miles	1,013	800	800	1,000
Total	6,614	6,000	5,750	5,750

Attachment: None.

Co-respondent: B. Chiu

MPSC Case No: U-21860

Requester: MNSC

Question No.: MNSCDE-3.30b

Respondent: R. Stowe

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Question: 30. Refer to Exhibit A-33 Schedule X1, which indicates DTE's request to recover $340 million in Subtransmission Redesign and Rebuild capital spending 2027-2029 through the IRM.

b. Refer to the schedule of projects provided in response to subpart (a) above. For each project, provide i) a description of the project; ii) the total cost of the project (reflecting, for example, costs beyond 2029); iii) the justification for the project (the reason that the project is required for safe and reliable service); iv) any evidence that the existing equipment violates Subtransmission Planning criteria (thermal or voltage); v) any other evidence indicating that the existing equipment is not safe or reliable; vi) an estimate of the percentage of the hours of the year (out of 8,760) the existing equipment is expected to be in a violation condition; and vii) the estimated in-service year.

Answer: See the discovery response CEODE-1.3a for the drivers, justifications, and total cost for each project.

The Company has not done an analysis producing the percentage of the hours of the year that existing equipment is expected to be in violation conditions. The Company reviews the subtransmission system annually at peak load to identify all violations of subtransmission planning criteria, as described in my direct testimony. Also, as described in my direct testimony, an outage on the subtransmission system, because it is upstream in the grid, can impact multiple substations, which in some areas can result in more than 10,000 customers impacted.

The estimated in-service year for each project will be finalized prior to the inclusion of each project in a future regulatory proceeding.

Attachment: None.

Co-respondent: A. Willis

MPSC Case No: U-21534

Requester: MNSC

Question No.: MNSCDE-3.26a

Respondent: S. Deol

Page: 1 of 1

Question: Refer generally to the Company's subtransmission system.

a. Provide a list of equipment outages on the Company's subtransmission system by year from 2018 to 2023.

Answer: The Company objects for the reason that the request is unduly burdensome, overly broad, oppressive and calculated to cause unreasonable expense to DTE Electric and its customers. The Company also objects because the information requested is not relevant, nor is it reasonably calculated to lead to the discovery of relevant evidence. Without waiving these objections, but subject to them, based upon currently available information the Company responds as follows:
Please see attached file.

Attachment: *U-21534 MNSCDE3.26-01 Subtransmission Outages*

MPSC Case No: U-21534

Requester: MNSC

Question No.: MNSCDE-3.26bi

Respondent: S. Deol

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Question: Refer generally to the Company's subtransmission system.

b. Refer to the list of equipment outages provided in response to subpart (a) above. For each equipment outage listed, provide:

i. The date and duration of the equipment outage;

Answer: The Company objects for the reason that the request is unduly burdensome, overly broad, oppressive and calculated to cause unreasonable expense to DTE Electric and its customers. The Company also objects because the information requested is not relevant, nor is it reasonably calculated to lead to the discovery of relevant evidence. Without waiving these objections, but subject to them, based upon currently available information the Company responds as follows:

See MNSCDE-3.26a.

Attachment: None

MPSC Case No: U-21534

Requester: MNSC

Question No.: MNSCDE-3.26bii

Respondent: S. Deol

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Question: Refer generally to the Company's subtransmission system.

b. Refer to the list of equipment outages provided in response to subpart (a) above. For each equipment outage listed, provide:

ii. The date of any service interruptions on the distribution system resulting from the subtransmission equipment outage; and

Answer: The Company objects for the reason that the request is unduly burdensome, overly broad, oppressive and calculated to cause unreasonable expense to DTE Electric and its customers. The Company also objects because the information requested is not relevant, nor is it reasonably calculated to lead to the discovery of relevant evidence. Without waiving these objections, but subject to them, based upon currently available information the Company responds as follows:

See MNSCDE-3.26a

Attachment: None.

MPSC Case No: U-21534

Requester: MNSC

Question No.: MNSCDE-3.26biii

Respondent: S. Deol

Page: 1 of 1

Question: Refer generally to the Company's subtransmission system.

b. Refer to the list of equipment outages provided in response to subpart (a) above. For each equipment outage listed, provide:

iii. The counts of customers interruptions (CI) and customer minutes interrupted (CMI) associated with each service interruption on the distribution system resulting from the subtransmission equipment outage.

Answer:

The Company objects for the reason that the request is unduly burdensome, overly broad, oppressive and calculated to cause unreasonable expense to DTE Electric and its customers. The Company also objects because the information requested is not relevant, nor is it reasonably calculated to lead to the discovery of relevant evidence. Without waiving these objections, but subject to them, based upon currently available information the Company responds as follows:

See MNSCDE-3.26a

Attachment: None.

START TIME	CLOSE TIME	OUTAGE LEVEL	Extent	TRK/TIE	AMI Cust Impacted	Cust Mins	Cause Code
1/4/2019 15:17	1/4/2019 18:40	Subtransmission	None	TIE 2648			ANIMAL
1/16/2019 9:32	1/16/2019 21:03	Subtransmission	None	TRK 7062			ANIMAL
1/16/2019 9:23	1/16/2019 11:50	Subtransmission	None	TRK 7062			ANIMAL
10/19/2019 10:43	10/19/2019 15:40	Subtransmission	None	TRK 2032			ANIMAL
12/13/2019 9:05	12/13/2019 14:54	Subtransmission	None	TIE 1544			ANIMAL
12/13/2019 9:15	12/15/2019 22:48	Subtransmission	None	TIE 1544			ANIMAL
5/18/2020 8:42	5/18/2020 16:06	Subtransmission	None	TRK 6842			ANIMAL
6/21/2020 8:06	6/21/2020 23:12	Subtransmission	None	TRK 2523			ANIMAL
6/22/2020 6:08	6/22/2020 7:37	Subtransmission	Distribution	TRK 2523	8	745	ANIMAL
6/29/2021 6:43	6/29/2021 17:00	Subtransmission	Distribution	TRK 2002	53	2080	ANIMAL
5/29/2022 8:25	5/29/2022 20:19	Subtransmission	None	TRK 4301			ANIMAL
8/10/2022 9:16	8/10/2022 13:46	Subtransmission	None	TRK 6941			ANIMAL
4/5/2023 1:47	4/5/2023 14:07	Subtransmission		TRK 2742			ANIMAL
6/8/2023 7:50	6/8/2023 14:56	Subtransmission		TRK 6938			ANIMAL
1/8/2018 8:07	1/8/2018 14:18	Subtransmission	None	TIE 5823			EQUIPMENT FAILURE
4/30/2018 16:28	5/1/2018 14:48	Subtransmission	None	TIE 4505			EQUIPMENT FAILURE
6/16/2018 6:29	6/16/2018 20:22	Subtransmission	None	TRK 1527			EQUIPMENT FAILURE
6/22/2018 13:50	6/22/2018 14:25	Subtransmission	None	TIE 1423			EQUIPMENT FAILURE
6/23/2018 15:59	6/23/2018 21:32	Subtransmission	None	TIE 1423			EQUIPMENT FAILURE
6/23/2018 4:24	6/23/2018 14:33	Subtransmission	None	TIE 1423			EQUIPMENT FAILURE
7/3/2018 4:42	7/3/2018 13:20	Subtransmission	None	TRK 7386			EQUIPMENT FAILURE
7/15/2018 8:54	7/15/2018 14:05	Subtransmission	None	TRK 2308			EQUIPMENT FAILURE
8/1/2018 4:43	8/2/2018 12:38	Subtransmission	None	TRK 2918			EQUIPMENT FAILURE
8/4/2018 13:24	8/4/2018 17:49	Subtransmission	None	TIE 810			EQUIPMENT FAILURE
9/23/2018 13:00	9/23/2018 14:45	Subtransmission	None	TIE4105			EQUIPMENT FAILURE
9/24/2018 16:17	9/24/2018 20:44	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
9/24/2018 21:49	9/26/2018 11:38	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
11/30/2018 20:14	11/30/2018 22:39	Subtransmission	None	TRK 1243			EQUIPMENT FAILURE
12/27/2018 14:20	12/27/2018 20:38	Subtransmission	None	TRK 2305			EQUIPMENT FAILURE
1/23/2019 0:53	1/23/2019 5:20	Subtransmission	None	TRK 2313			EQUIPMENT FAILURE
1/28/2019 18:24	1/29/2019 2:19	Subtransmission	None	TRK 2510			EQUIPMENT FAILURE
1/28/2019 19:43	1/28/2019 21:44	Subtransmission	None	TRK 2742			EQUIPMENT FAILURE
2/24/2019 14:42	2/24/2019 20:30	Subtransmission	Distribution	TRK 2038	195	78113	EQUIPMENT FAILURE
7/1/2019 18:55	7/1/2019 21:30	Subtransmission	Distribution	TIE 6147	1495	27909	EQUIPMENT FAILURE
7/1/2019 20:25	7/1/2019 21:23	Subtransmission	Distribution	TIE 6147	2584	43834	EQUIPMENT FAILURE
7/3/2019 15:58	7/4/2019 15:38	Subtransmission	None	TRK 3632			EQUIPMENT FAILURE
9/15/2019 15:39	9/15/2019 20:52	Subtransmission	None	TRK 1527			EQUIPMENT FAILURE
9/24/2019 7:39	9/24/2019 20:20	Subtransmission	None	TRK 346			EQUIPMENT FAILURE
9/28/2019 12:38	9/28/2019 15:44	Subtransmission	None	TRK 7130			EQUIPMENT FAILURE
9/29/2019 9:11	10/1/2019 14:24	Subtransmission	None	TRK 1527			EQUIPMENT FAILURE
10/27/2019 4:29	10/28/2019 15:00	Subtransmission	Distribution	TIE 7621	4	8038	EQUIPMENT FAILURE
10/27/2019 4:58	10/28/2019 15:01	Subtransmission	None	TIE 7621			EQUIPMENT FAILURE
12/26/2019 12:51	12/26/2019 14:48	Subtransmission	None	TRK 1346			EQUIPMENT FAILURE
12/30/2019 22:20	12/31/2019 16:26	Subtransmission	None	TIE 1531			EQUIPMENT FAILURE
4/29/2020 11:05	4/29/2020 12:54	Subtransmission	None	TRK 5917			EQUIPMENT FAILURE
5/25/2020 4:45	5/25/2020 15:25	Subtransmission	None	TRK 7909			EQUIPMENT FAILURE
5/27/2020 21:23	5/28/2020 6:17	Subtransmission	None	TRK 7909			EQUIPMENT FAILURE
5/27/2020 9:26	5/27/2020 21:12	Subtransmission	None	TRK 7909			EQUIPMENT FAILURE
6/9/2020 23:40	6/10/2020 5:10	Subtransmission	None	TRK 6842			EQUIPMENT FAILURE
9/2/2020 11:12	9/2/2020 16:13	Subtransmission	None	TRK 9303			EQUIPMENT FAILURE
10/5/2020 19:52	10/5/2020 21:49	Subtransmission	None	TRK 4351			EQUIPMENT FAILURE
10/21/2020 3:21	10/21/2020 11:08	Subtransmission	None	TRK 2313			EQUIPMENT FAILURE
10/21/2020 7:01	10/21/2020 11:08	Subtransmission	None	TRK 2313			EQUIPMENT FAILURE
11/13/2020 14:20	11/14/2020 16:53	Subtransmission	None	TIE 3800			EQUIPMENT FAILURE
11/17/2020 15:19	11/18/2020 15:58	Subtransmission	None	TRK 3511			EQUIPMENT FAILURE
11/26/2020 15:54	11/26/2020 16:45	Subtransmission	Distribution	TIE 6621	704	36323	EQUIPMENT FAILURE
11/26/2020 15:55	11/26/2020 16:45	Subtransmission	Distribution	TIE 6621	1202	62147	EQUIPMENT FAILURE
11/28/2020 12:43	11/29/2020 18:33	Subtransmission	None	TRK 1232			EQUIPMENT FAILURE
11/28/2020 16:02	11/28/2020 17:40	Subtransmission	None	TRK 1232			EQUIPMENT FAILURE
1/22/2021 9:00	1/22/2021 16:48	Subtransmission	None	TRK 2301			EQUIPMENT FAILURE
5/3/2021 7:34	5/3/2021 11:06	Subtransmission	None	TIE 1318			EQUIPMENT FAILURE
5/3/2021 7:05	5/3/2021 12:25	Subtransmission	None	TIE 1318			EQUIPMENT FAILURE
5/30/2021 18:38	5/31/2021 5:37	Subtransmission	None	TIE 7430			EQUIPMENT FAILURE
6/9/2021 5:06	6/10/2021 14:05	Subtransmission	None	TRK 5145			EQUIPMENT FAILURE
8/19/2021 6:20	8/19/2021 21:31	Subtransmission	None	TRK 2922			EQUIPMENT FAILURE
9/30/2021 16:31	9/30/2021 17:32	Subtransmission	None	TIE 1531			EQUIPMENT FAILURE
11/9/2021 16:33	11/10/2021 6:01	Subtransmission	None	TIE 2819			EQUIPMENT FAILURE
11/30/2021 8:32	11/30/2021 11:56	Subtransmission	None	TIE 6931			EQUIPMENT FAILURE
1/11/2022 9:12	1/11/2022 12:52	Subtransmission	None	TRK 4419			EQUIPMENT FAILURE
4/4/2022 10:53	4/4/2022 20:29	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
4/25/2022 14:27	4/25/2022 16:56	Subtransmission	None	TRK 3650			EQUIPMENT FAILURE
9/11/2022 18:40	9/13/2022 17:57	Subtransmission	None	TRK 2305			EQUIPMENT FAILURE
9/29/2022 11:18	9/29/2022 18:28	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
3/4/2023 2:52	3/6/2023 12:20	Subtransmission		TRK 1303			EQUIPMENT FAILURE
6/16/2023 17:12	6/18/2023 8:50	Subtransmission		TRK 2907			EQUIPMENT FAILURE
6/24/2023 20:39	7/2/2023 23:58	Subtransmission		TRK 1303			EQUIPMENT FAILURE
8/29/2023 19:09	2/8/2024 22:40	Subtransmission		TIE 1318			EQUIPMENT FAILURE
11/7/2023 13:09	11/7/2023 21:01	Subtransmission		TRK 6842			EQUIPMENT FAILURE
2/11/2022 9:13	2/11/2022 9:40	Subtransmission	Distribution	TIE 7430	213	5318	INTENTIONAL
8/29/2021 20:54	8/30/2021 13:54	Subtransmission	None	TIE 4501			LIGHTNING
8/29/2021 19:45	8/29/2021 21:05	Subtransmission	Distribution	TIE 4501	346	26873	LIGHTNING
8/13/2018 18:47	8/14/2018 6:01	Subtransmission	None	TIE 3417			TREE
8/13/2018 18:42	8/14/2018 11:49	Subtransmission	None	TIE 3417			TREE
5/26/2019 15:13	5/27/2019 12:53	Subtransmission	None	TIE 3203			TREE
6/20/2020 17:55	6/20/2020 19:14	Subtransmission	None	TRK 2523			TREE
6/20/2020 17:01	6/20/2020 21:35	Subtransmission	None	TRK 2523			TREE
8/2/2020 12:41	8/2/2020 20:31	Subtransmission	None	TIE 3208			TREE
4/10/2021 20:52	4/11/2021 0:45	Subtransmission	Distribution	TIE 8033	66	48782	TREE
4/10/2021 18:34	4/10/2021 20:47	Subtransmission	Distribution	TIE 8033	65	8010	TREE
12/1/2019 23:25	12/2/2019 13:54	Subtransmission	None	TRK 4301			ANIMAL
12/1/2019 13:31	12/1/2019 16:54	Subtransmission	None	TRK 4301			ANIMAL
12/2/2019 17:19	12/2/2019 22:46	Subtransmission	None	TRK 4301			ANIMAL
3/11/2020 23:51	3/12/2020 5:45	Subtransmission	None	TIE 3318			ANIMAL
1/23/2018 8:01	1/23/2018 15:04	Subtransmission	None	TRK 2713			EQUIPMENT FAILURE
4/4/2018 17:34	4/5/2018 12:15	Subtransmission	None	TRK 5938			EQUIPMENT FAILURE
4/5/2018 9:21	4/5/2018 10:30	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
4/5/2018 8:51	4/5/2018 10:30	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
4/5/2018 8:50	4/5/2018 10:32	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
6/7/2018 22:28	6/7/2018 22:44	Subtransmission	Distribution	TIE 9123	409	6507	EQUIPMENT FAILURE
6/7/2018 20:12	6/8/2018 6:57	Subtransmission	None	TIE 9123			EQUIPMENT FAILURE
6/8/2018 14:39	6/8/2018 17:30	Subtransmission	Distribution	TIE 7520	414	70454	EQUIPMENT FAILURE
6/8/2018 14:39	6/8/2018 15:34	Subtransmission	Distribution	TIE 7520	171	9344	EQUIPMENT FAILURE
6/8/2018 14:39	6/8/2018 15:34	Subtransmission	Distribution	TIE 7520	364	20030	EQUIPMENT FAILURE
6/8/2018 14:44	6/8/2018 21:07	Subtransmission	None	TIE 7520			EQUIPMENT FAILURE

7/12/2018 17:01	7/17/2018 19:26	Subtransmission	None	TIE 5513			EQUIPMENT FAILURE
8/27/2018 8:50	8/28/2018 14:01	Subtransmission	None	TIE 7504			EQUIPMENT FAILURE
10/14/2018 12:43	10/15/2018 14:17	Subtransmission	None	TRK 2002			EQUIPMENT FAILURE
10/30/2018 11:36	10/31/2018 16:47	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
11/26/2018 8:42	11/26/2018 11:11	Subtransmission	None	TRK 2439			EQUIPMENT FAILURE
12/15/2018 10:51	12/15/2018 19:02	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
12/27/2018 11:25	12/27/2018 13:39	Subtransmission	None	TIE 9123			EQUIPMENT FAILURE
1/14/2019 12:42	1/15/2019 10:57	Subtransmission	None	TIE 4501			EQUIPMENT FAILURE
1/23/2019 9:35	1/23/2019 16:58	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
1/23/2019 10:25	1/23/2019 17:10	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
2/2/2019 3:53	2/2/2019 4:48	Subtransmission	Distribution	TIE 4104	1054	61323	EQUIPMENT FAILURE
2/2/2019 1:36	2/2/2019 20:30	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
2/22/2019 7:51	2/22/2019 10:49	Subtransmission	None	TIE 6147			EQUIPMENT FAILURE
5/15/2019 16:59	5/16/2019 20:05	Subtransmission	None	TIE 810			EQUIPMENT FAILURE
5/25/2019 13:23	5/25/2019 19:47	Subtransmission	None	TRK 3546			EQUIPMENT FAILURE
7/4/2019 8:16	7/4/2019 15:17	Subtransmission	None	TRK 9107			EQUIPMENT FAILURE
9/4/2019 15:52	9/4/2019 19:59	Subtransmission	None	TRK 830			EQUIPMENT FAILURE
9/5/2019 15:13	9/5/2019 15:24	Subtransmission	None	TRK 830			EQUIPMENT FAILURE
9/6/2019 10:56	9/6/2019 13:57	Subtransmission	None	TRK 830			EQUIPMENT FAILURE
9/12/2019 9:38	9/12/2019 12:30	Subtransmission	None	TRK 6172			EQUIPMENT FAILURE
9/21/2019 18:57	9/22/2019 16:08	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
9/28/2019 8:54	9/28/2019 14:23	Subtransmission	None	TIE 4412			EQUIPMENT FAILURE
9/29/2019 8:13	10/30/2019 10:51	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
12/8/2019 13:31	12/8/2019 16:20	Subtransmission	Distribution	TIE 9111	514	81858	EQUIPMENT FAILURE
12/8/2019 13:45	12/8/2019 21:17	Subtransmission	None	TIE 9111			EQUIPMENT FAILURE
1/18/2020 13:34	1/18/2020 15:43	Subtransmission	None	TRK 1248			EQUIPMENT FAILURE
1/20/2020 12:27	1/20/2020 19:59	Subtransmission	None	TRK 1248			EQUIPMENT FAILURE
1/27/2020 9:57	1/27/2020 12:05	Subtransmission	None	TRK 2308			EQUIPMENT FAILURE
2/25/2020 4:44	2/25/2020 7:43	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
2/25/2020 4:09	2/25/2020 20:12	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
4/15/2020 12:22	4/15/2020 13:30	Subtransmission	None	TRK 1243			EQUIPMENT FAILURE
5/21/2020 21:54	5/22/2020 5:03	Subtransmission	None	TRK 5817			EQUIPMENT FAILURE
7/9/2020 19:32	7/9/2020 21:00	Subtransmission	Distribution	TIE 8033	64	20827	EQUIPMENT FAILURE
7/9/2020 19:47	7/10/2020 14:49	Subtransmission	None	TIE 8033			EQUIPMENT FAILURE
7/10/2020 2:04	7/10/2020 2:20	Subtransmission	Distribution	TIE 8033	340	6653	EQUIPMENT FAILURE
7/10/2020 3:52	7/10/2020 16:00	Subtransmission	Distribution	TIE 8033			EQUIPMENT FAILURE
7/10/2020 2:21	7/10/2020 8:36	Subtransmission	None	TIE 8033			EQUIPMENT FAILURE
7/10/2020 2:55	7/10/2020 5:41	Subtransmission	None	TIE 8033			EQUIPMENT FAILURE
8/27/2020 14:44	8/27/2020 20:43	Subtransmission	None	TIE 4109			EQUIPMENT FAILURE
2/3/2021 15:31	2/3/2021 18:30	Subtransmission	None	TIE 6117			EQUIPMENT FAILURE
2/15/2021 10:46	2/15/2021 11:47	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
2/15/2021 10:42	2/15/2021 11:47	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
3/11/2021 12:42	3/11/2021 19:36	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
3/11/2021 11:15	3/11/2021 12:31	Subtransmission	Distribution	TRK 7729	793	22309	EQUIPMENT FAILURE
3/11/2021 11:31	3/11/2021 16:36	Subtransmission	None	TRK 7729			EQUIPMENT FAILURE
3/29/2021 16:22	3/29/2021 21:01	Subtransmission	None	TIE 3402			EQUIPMENT FAILURE
4/4/2021 18:03	4/4/2021 23:17	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
4/4/2021 18:15	4/5/2021 5:46	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
4/21/2021 16:07	4/21/2021 18:15	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
4/27/2021 10:10	4/27/2021 15:16	Subtransmission	None	TIE 4109			EQUIPMENT FAILURE
5/2/2021 6:56	5/2/2021 14:49	Subtransmission	None	TRK 3208			EQUIPMENT FAILURE
6/8/2021 16:38	6/10/2021 18:17	Subtransmission	None	TRK 5140			EQUIPMENT FAILURE
6/11/2021 13:36	6/12/2021 14:30	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
6/12/2021 7:29	6/12/2021 14:30	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
6/14/2021 8:44	6/14/2021 15:23	Subtransmission	None	TRK 7106			EQUIPMENT FAILURE
7/15/2021 8:29	7/15/2021 21:51	Subtransmission	None	TRK 2659			EQUIPMENT FAILURE
7/20/2021 17:52	7/20/2021 22:47	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
7/30/2021 12:48	7/30/2021 17:48	Subtransmission	None	TRK 2032			EQUIPMENT FAILURE
8/25/2021 12:56	8/27/2021 17:48	Subtransmission	None	TIE 6907			EQUIPMENT FAILURE
9/15/2021 18:44	9/16/2021 11:49	Subtransmission	None	TRK 2032			EQUIPMENT FAILURE
11/1/2021 13:52	11/1/2021 17:28	Subtransmission	None	TRK 2826			EQUIPMENT FAILURE
11/5/2021 1:15	11/5/2021 2:34	Subtransmission	Distribution	TRK 853	885	70006	EQUIPMENT FAILURE
11/5/2021 1:20	11/10/2021 9:24	Subtransmission	None	TRK 853			EQUIPMENT FAILURE
11/5/2021 1:15	11/5/2021 2:34	Subtransmission	Distribution	TRK 853	611	48324	EQUIPMENT FAILURE
3/28/2022 11:32	3/28/2022 18:06	Subtransmission	None	TRK 2016			EQUIPMENT FAILURE
4/23/2022 7:12	4/23/2022 16:52	Subtransmission	None	TRK 2054			EQUIPMENT FAILURE
6/16/2022 11:22	6/18/2022 7:48	Subtransmission	None	TIE 2812			EQUIPMENT FAILURE
7/3/2022 17:08	7/3/2022 19:39	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
8/30/2022 9:37	8/30/2022 21:16	Subtransmission	None	TRK 6508			EQUIPMENT FAILURE
9/11/2022 9:09	9/11/2022 16:57	Subtransmission	None	TIE 3323			EQUIPMENT FAILURE
9/12/2022 12:40	9/12/2022 13:10	Subtransmission	Distribution	TRK 1229	1	75	EQUIPMENT FAILURE
9/12/2022 12:43	9/12/2022 13:14	Subtransmission	Distribution	TRK 1229	2	148	EQUIPMENT FAILURE
9/12/2022 14:09	9/12/2022 17:09	Subtransmission	None	TRK 1229			EQUIPMENT FAILURE
9/12/2022 4:18	9/12/2022 16:51	Subtransmission	None	TRK 1229			EQUIPMENT FAILURE
2/10/2023 12:21	2/13/2023 12:55	Subtransmission		TRK 6941			EQUIPMENT FAILURE
3/16/2023 10:49	3/16/2023 17:20	Subtransmission		TIE 6602			EQUIPMENT FAILURE
4/7/2023 7:32	4/8/2023 0:38	Subtransmission		TIE 2812			EQUIPMENT FAILURE
5/31/2023 6:58	6/16/2023 9:23	Subtransmission		TIE 9310			EQUIPMENT FAILURE
6/15/2023 9:15	6/15/2023 14:12	Subtransmission		TIE 3208			EQUIPMENT FAILURE
6/16/2023 9:13	7/10/2023 22:35	Subtransmission		TIE 9310			EQUIPMENT FAILURE
6/20/2023 10:54	8/29/2023 11:35	Subtransmission		TIE 3208			EQUIPMENT FAILURE
6/20/2023 8:28	6/20/2023 10:56	Subtransmission		TIE 3208			EQUIPMENT FAILURE
7/23/2023 23:16	7/24/2023 3:19	Subtransmission	Subtransmission	TIE 810	2245	4660368	EQUIPMENT FAILURE
7/23/2023 21:45	7/24/2023 7:09	Subtransmission		TIE 810			EQUIPMENT FAILURE
7/26/2023 17:10	7/28/2023 16:35	Subtransmission	Subtransmission	TRK 2918	15	43032	EQUIPMENT FAILURE
8/24/2023 23:08	8/26/2023 12:43	Subtransmission		TIE 2025			EQUIPMENT FAILURE
9/1/2023 14:05	9/9/2023 9:43	Subtransmission		TIE 6907			EQUIPMENT FAILURE
9/17/2023 16:15	9/18/2023 18:04	Subtransmission		TIE 2812			EQUIPMENT FAILURE
5/20/2020 9:01	5/20/2020 9:09	Subtransmission	Distribution	TRK 2806	481	4954	INTENTIONAL
8/24/2023 19:21	8/26/2023 12:20	Subtransmission		TIE 6602			LIGHTNING
8/21/2022 14:14	8/21/2022 21:41	Subtransmission	None	TRK 6508			TREE
7/26/2023 19:39	7/29/2023 4:22	Subtransmission		TRK 2918			WIND
11/4/2023 18:54	1/10/2024 14:08	Subtransmission		TRK 2519			EQUIPMENT FAILURE
11/4/2023 18:26	11/4/2023 18:56	Subtransmission		TRK 2519			EQUIPMENT FAILURE
4/5/2018 7:54	4/5/2018 23:07	Subtransmission	None	TIE 3502			TREE
2/18/2020 19:50	2/18/2020 21:34	Subtransmission	None	TRK 2301			ANIMAL
6/23/2018 1:50	6/23/2018 5:30	Subtransmission	Distribution	TIE 4507	1096	36493	EQUIPMENT FAILURE
4/5/2019 8:57	4/5/2019 11:30	Subtransmission	None	TRK 7078			ANIMAL
4/16/2019 14:56	4/16/2019 20:48	Subtransmission	None	TRK 6125			ANIMAL
6/1/2019 9:44	6/1/2019 14:42	Subtransmission	None	TIE 6931			ANIMAL
6/1/2019 12:02	6/1/2019 12:22	Subtransmission	Distribution	TIE 6931	1272	28851	ANIMAL
6/29/2019 19:22	6/30/2019 13:46	Subtransmission	None	TIE 1423			ANIMAL
3/16/2020 15:34	3/16/2020 20:13	Subtransmission	None	TIE 2812			ANIMAL
3/16/2020 12:18	3/16/2020 13:02	Subtransmission	None	TIE 2812			ANIMAL
3/29/2021 22:49	3/30/2021 0:00	Subtransmission	Distribution	TIE 226	1398	144595	ANIMAL

3/29/2021 15:41	3/30/2021 3:19	Subtransmission	None	TIE 226			ANIMAL
3/29/2021 22:50	3/30/2021 0:30	Subtransmission	Distribution	TIE 226	1325	138094	ANIMAL
5/3/2021 7:32	5/3/2021 11:40	Subtransmission	None	TIE 3220			ANIMAL
5/3/2021 7:08	5/3/2021 11:24	Subtransmission	None	TIE 3220			ANIMAL
12/11/2021 10:27	12/11/2021 20:00	Subtransmission	Distribution	TRK 5239	757	171614	ANIMAL
5/16/2023 6:27	5/16/2023 13:24	Subtransmission	Circuit Level	TRK 3536	366	69094	ANIMAL
5/16/2023 6:28	5/16/2023 13:16	Subtransmission	Circuit Level	TRK 3536	520	98167	ANIMAL
5/16/2023 6:27	5/16/2023 13:21	Subtransmission	Circuit Level	TRK 3536			ANIMAL
5/16/2023 6:55	5/16/2023 13:11	Subtransmission	Circuit Level	TRK 3536	1	5	ANIMAL
5/16/2023 6:28	5/16/2023 13:13	Subtransmission	Circuit Level	TRK 3536	939	177279	ANIMAL
5/16/2023 6:27	5/16/2023 13:23	Subtransmission	Circuit Level	TRK 3536			ANIMAL
5/16/2023 6:29	5/16/2023 13:09	Subtransmission	Device (I)	TRK 3536	476	89859	ANIMAL
1/15/2018 17:22	1/16/2018 0:24	Subtransmission	None	TIE 185			EQUIPMENT FAILURE
1/16/2018 13:46	1/16/2018 20:37	Subtransmission	None	TIE 185			EQUIPMENT FAILURE
1/16/2018 10:17	1/16/2018 19:01	Subtransmission	None	TIE 3416			EQUIPMENT FAILURE
1/21/2018 9:05	1/21/2018 15:59	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
1/22/2018 20:27	1/22/2018 21:54	Subtransmission	Distribution	TIE 9205	1163	98996	EQUIPMENT FAILURE
1/22/2018 20:27	1/22/2018 21:54	Subtransmission	Distribution	TIE 9205	135	11497	EQUIPMENT FAILURE
1/22/2018 20:27	1/22/2018 21:54	Subtransmission	Distribution	TIE 9205	416	35576	EQUIPMENT FAILURE
1/22/2018 20:27	1/22/2018 21:54	Subtransmission	Distribution	TIE 9205	202	17248	EQUIPMENT FAILURE
1/22/2018 20:36	1/22/2018 22:11	Subtransmission	None	TIE 9205			EQUIPMENT FAILURE
1/23/2018 17:49	1/23/2018 22:00	Subtransmission	Distribution	TRK 5510	971	165766	EQUIPMENT FAILURE
1/25/2018 11:17	2/7/2018 7:20	Subtransmission	None	TIE 1423			EQUIPMENT FAILURE
2/1/2018 12:46	2/1/2018 16:15	Subtransmission	None	TRK 2931			EQUIPMENT FAILURE
2/1/2018 12:46	2/1/2018 16:15	Subtransmission	None	TRK 2931			EQUIPMENT FAILURE
2/1/2018 13:36	2/1/2018 14:19	Subtransmission	Distribution	TRK 2931	689	33513	EQUIPMENT FAILURE
2/5/2018 20:38	2/6/2018 2:50	Subtransmission	Distribution	TIE 3416	125	46532	EQUIPMENT FAILURE
2/19/2018 17:52	2/20/2018 3:56	Subtransmission	None	TRK 2824			EQUIPMENT FAILURE
2/23/2018 15:41	2/23/2018 20:26	Subtransmission	None	TIE 4901			EQUIPMENT FAILURE
3/5/2018 23:50	3/6/2018 5:49	Subtransmission	None	TIE 810			EQUIPMENT FAILURE
3/14/2018 12:31	3/14/2018 23:43	Subtransmission	None	TRK 2237			EQUIPMENT FAILURE
3/20/2018 18:30	3/21/2018 13:05	Subtransmission	None	TRK 2411			EQUIPMENT FAILURE
3/26/2018 13:47	3/26/2018 20:42	Subtransmission	None	TRK 2411			EQUIPMENT FAILURE
3/29/2018 11:37	3/29/2018 16:30	Subtransmission	None	TIE 226			EQUIPMENT FAILURE
3/30/2018 12:55	3/30/2018 14:19	Subtransmission	None	TIE 4412			EQUIPMENT FAILURE
4/2/2018 5:36	4/2/2018 8:11	Subtransmission	Distribution	TRK 1728	1052	191425	EQUIPMENT FAILURE
4/2/2018 8:19	4/2/2018 19:24	Subtransmission	None	TRK 1728			EQUIPMENT FAILURE
4/2/2018 5:36	4/2/2018 8:11	Subtransmission	Distribution	TRK 1728	448	77492	EQUIPMENT FAILURE
4/2/2018 5:37	4/2/2018 8:20	Subtransmission	Distribution	TRK 1728	26	5716	EQUIPMENT FAILURE
4/2/2018 5:36	4/2/2018 8:12	Subtransmission	Distribution	TRK 1728	672	141019	EQUIPMENT FAILURE
4/2/2018 5:53	4/2/2018 8:20	Subtransmission	Distribution	TRK 1728	28	5543	EQUIPMENT FAILURE
4/3/2018 19:40	4/3/2018 23:29	Subtransmission	None	TRK 448			EQUIPMENT FAILURE
4/3/2018 19:30	4/3/2018 20:24	Subtransmission	Subtransmission	TRK 448	847	45654	EQUIPMENT FAILURE
4/3/2018 22:14	4/5/2018 21:28	Subtransmission	None	TRK 448			EQUIPMENT FAILURE
4/3/2018 19:30	4/3/2018 20:24	Subtransmission	Subtransmission	TRK 448	947	50924	EQUIPMENT FAILURE
4/3/2018 19:30	4/3/2018 20:24	Subtransmission	Subtransmission	TRK 448	972	52956	EQUIPMENT FAILURE
4/6/2018 5:55	4/6/2018 7:30	Subtransmission	Subtransmission	TRK 3511	874	83585	EQUIPMENT FAILURE
4/6/2018 10:56	4/13/2018 17:20	Subtransmission	None	TRK 3511			EQUIPMENT FAILURE
4/6/2018 5:55	4/6/2018 7:30	Subtransmission	Subtransmission	TRK 3511	816	77216	EQUIPMENT FAILURE
4/7/2018 12:54	4/7/2018 21:47	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE
4/9/2018 15:51	4/12/2018 14:36	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE
4/11/2018 13:15	4/11/2018 23:21	Subtransmission	None	TRK 448			EQUIPMENT FAILURE
4/13/2018 19:47	4/14/2018 17:55	Subtransmission	Distribution	TIE 7504	951	1278675	EQUIPMENT FAILURE
4/13/2018 19:47	4/13/2018 20:51	Subtransmission	Distribution	TIE 7504	71	4419	EQUIPMENT FAILURE
4/13/2018 19:47	4/14/2018 17:55	Subtransmission	Distribution	TIE 7504	626	863591	EQUIPMENT FAILURE
4/13/2018 19:47	4/14/2018 6:27	Subtransmission	Distribution	TIE 7504	337	215371	EQUIPMENT FAILURE
4/13/2018 19:47	4/13/2018 20:51	Subtransmission	Distribution	TIE 7504	231	14414	EQUIPMENT FAILURE
4/15/2018 11:03	4/16/2018 18:14	Subtransmission	None	TRK 2032			EQUIPMENT FAILURE
4/15/2018 10:58	4/19/2018 12:58	Subtransmission	None	TRK 2032			EQUIPMENT FAILURE
4/20/2018 15:48	2/26/2019 14:33	Subtransmission	None	TRK 1423			EQUIPMENT FAILURE
4/27/2018 14:52	4/27/2018 20:28	Subtransmission	None	TIE 3705			EQUIPMENT FAILURE
5/4/2018 17:59	5/5/2018 19:56	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
5/4/2018 13:02	5/5/2018 5:21	Subtransmission	Subtransmission	TIE 1473	711	381726	EQUIPMENT FAILURE
5/4/2018 14:02	5/4/2018 21:15	Subtransmission	Distribution	TIE 1473			EQUIPMENT FAILURE
5/4/2018 10:30	5/6/2018 13:56	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
5/4/2018 13:32	5/5/2018 13:30	Subtransmission	Distribution	TIE 226	1820	2552858	EQUIPMENT FAILURE
5/8/2018 16:46	5/16/2018 7:59	Subtransmission	None	TIE 2648			EQUIPMENT FAILURE
5/8/2018 23:02	5/9/2018 6:56	Subtransmission	Distribution	TRK 2111	135	65491	EQUIPMENT FAILURE
5/8/2018 23:02	5/9/2018 6:35	Subtransmission	Distribution	TRK 2111	147	51656	EQUIPMENT FAILURE
5/8/2018 23:02	5/9/2018 6:54	Subtransmission	Distribution	TRK 2111	140	67390	EQUIPMENT FAILURE
5/9/2018 8:07	5/11/2018 0:46	Subtransmission	None	TRK 7411			EQUIPMENT FAILURE
5/21/2018 15:06	5/31/2018 14:36	Subtransmission	None	TIE 1423			EQUIPMENT FAILURE
5/23/2018 16:40	5/23/2018 21:03	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
5/23/2018 16:41	5/23/2018 21:03	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
5/25/2018 16:44	5/25/2018 22:21	Subtransmission	None	TRK 359			EQUIPMENT FAILURE
5/27/2018 8:10	5/27/2018 18:19	Subtransmission	None	TRK 7122			EQUIPMENT FAILURE
6/1/2018 9:21	6/1/2018 20:10	Subtransmission	Distribution	TIE 1473	1	167	EQUIPMENT FAILURE
6/1/2018 9:37	6/1/2018 17:14	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
6/1/2018 9:06	6/1/2018 20:19	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
6/1/2018 8:57	6/1/2018 17:05	Subtransmission	Distribution	TIE 1473	588	230357	EQUIPMENT FAILURE
6/1/2018 9:29	6/1/2018 14:34	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
6/1/2018 9:27	6/1/2018 11:00	Subtransmission	Distribution	TIE 1473			EQUIPMENT FAILURE
6/1/2018 9:24	6/1/2018 14:43	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
6/1/2018 9:35	6/1/2018 14:34	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
6/1/2018 0:18	6/1/2018 17:15	Subtransmission	Distribution	TIE 1473	626	318509	EQUIPMENT FAILURE
6/1/2018 9:23	6/1/2018 14:33	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
6/1/2018 9:37	6/1/2018 14:41	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
6/1/2018 9:27	6/1/2018 14:35	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
6/14/2018 19:07	6/14/2018 23:44	Subtransmission	None	TRK 2907			EQUIPMENT FAILURE
6/15/2018 14:17	6/15/2018 14:57	Subtransmission	None	TRK 829			EQUIPMENT FAILURE
6/18/2018 16:58	6/19/2018 17:31	Subtransmission	None	TRK 385			EQUIPMENT FAILURE
6/18/2018 7:19	6/18/2018 10:47	Subtransmission	None	TRK 385			EQUIPMENT FAILURE
6/20/2018 17:38	6/21/2018 15:18	Subtransmission	None	TIE 5513			EQUIPMENT FAILURE
7/5/2018 11:16	7/6/2018 3:55	Subtransmission	None	TRK 7130			EQUIPMENT FAILURE
7/5/2018 11:27	7/5/2018 19:23	Subtransmission	None	TRK 7130			EQUIPMENT FAILURE
7/14/2018 7:01	7/15/2018 11:46	Subtransmission	None	TIE 1531			EQUIPMENT FAILURE
7/14/2018 4:12	7/14/2018 5:10	Subtransmission	None	TIE 1531			EQUIPMENT FAILURE
7/27/2018 14:36	8/2/2018 7:31	Subtransmission	None	TIE 4523			EQUIPMENT FAILURE
8/21/2018 2:38	8/21/2018 5:50	Subtransmission	Distribution	TIE 6907	368	78634	EQUIPMENT FAILURE
8/27/2018 20:50	8/28/2018 4:46	Subtransmission	None	TIE 3203			EQUIPMENT FAILURE
8/27/2018 19:03	8/27/2018 20:39	Subtransmission	None	TIE 3203			EQUIPMENT FAILURE
8/30/2018 22:50	8/30/2018 23:07	Subtransmission	Distribution	TIE 7504	135	2202	EQUIPMENT FAILURE
8/30/2018 2:17	8/30/2018 5:29	Subtransmission	None	TRK 4911			EQUIPMENT FAILURE
9/3/2018 12:08	9/4/2018 3:42	Subtransmission	None	TIE 4708			EQUIPMENT FAILURE
9/3/2018 15:16	9/4/2018 1:15	Subtransmission	Distribution	TIE 4708	314	222026	EQUIPMENT FAILURE

9/3/2018 20:58	9/4/2018 20:31	Subtransmission	None	TIE 6907			EQUIPMENT FAILURE
9/13/2018 8:02	9/13/2018 8:45	Subtransmission	Distribution	TIE 4501	357	15407	EQUIPMENT FAILURE
9/25/2018 8:37	9/25/2018 13:10	Subtransmission	Distribution	TIE 3203	978	277388	EQUIPMENT FAILURE
9/25/2018 8:49	9/25/2018 14:15	Subtransmission	None	TIE 3203			EQUIPMENT FAILURE
9/26/2018 15:36	11/12/2018 16:16	Subtransmission	None	TRK 7389			EQUIPMENT FAILURE
9/27/2018 6:48	9/27/2018 20:57	Subtransmission	None	TRK 2455			EQUIPMENT FAILURE
10/3/2018 16:37	10/18/2018 21:12	Subtransmission	None	TRK 2455			EQUIPMENT FAILURE
10/6/2018 8:21	10/6/2018 20:27	Subtransmission	None	TRK 2002			EQUIPMENT FAILURE
10/7/2018 3:05	10/7/2018 22:33	Subtransmission	None	TRK 1527			EQUIPMENT FAILURE
10/15/2018 6:57	10/15/2018 17:07	Subtransmission	None	TRK 4351			EQUIPMENT FAILURE
10/29/2018 16:41	10/29/2018 22:36	Subtransmission	None	TRK 724			EQUIPMENT FAILURE
10/31/2018 18:08	10/31/2018 21:27	Subtransmission	None	TIE 3432			EQUIPMENT FAILURE
11/8/2018 7:02	11/8/2018 8:19	Subtransmission	Distribution	TRK 662	165	12845	EQUIPMENT FAILURE
11/8/2018 7:02	11/8/2018 8:19	Subtransmission	Distribution	TRK 662	573	44644	EQUIPMENT FAILURE
11/8/2018 7:21	11/8/2018 8:19	Subtransmission	Distribution	TRK 662	13	1002	EQUIPMENT FAILURE
11/8/2018 7:02	11/8/2018 8:19	Subtransmission	Distribution	TRK 662	1153	92831	EQUIPMENT FAILURE
11/9/2018 20:47	11/9/2018 22:49	Subtransmission	None	TRK 5938			EQUIPMENT FAILURE
11/14/2018 9:07	11/14/2018 10:08	Subtransmission	Distribution	TIE 7430	2	12	EQUIPMENT FAILURE
11/14/2018 9:07	11/14/2018 18:00	Subtransmission	Distribution	TIE 7430	878	354270	EQUIPMENT FAILURE
12/16/2018 12:59	12/16/2018 18:21	Subtransmission	None	TRK 3526			EQUIPMENT FAILURE
1/16/2019 8:38	1/16/2019 10:54	Subtransmission	None	TIE 7745			EQUIPMENT FAILURE
1/16/2019 7:26	1/16/2019 9:14	Subtransmission	None	TRK 1232			EQUIPMENT FAILURE
1/16/2019 7:18	1/16/2019 8:37	Subtransmission	Distribution	TRK 1232	1232	136668	EQUIPMENT FAILURE
1/17/2019 12:15	1/17/2019 12:46	Subtransmission	Distribution	TRK 445	82	2651	EQUIPMENT FAILURE
1/17/2019 12:14	1/17/2019 12:46	Subtransmission	Distribution	TRK 445	1165	37667	EQUIPMENT FAILURE
1/17/2019 12:15	1/17/2019 12:46	Subtransmission	Distribution	TRK 445	2230	72130	EQUIPMENT FAILURE
1/21/2019 23:57	1/22/2019 2:14	Subtransmission	None	TIE 7745			EQUIPMENT FAILURE
1/22/2019 0:37	1/22/2019 19:28	Subtransmission	None	TIE 7745			EQUIPMENT FAILURE
1/23/2019 16:18	1/23/2019 21:28	Subtransmission	None	TRK 4911			EQUIPMENT FAILURE
1/23/2019 16:23	1/23/2019 18:53	Subtransmission	None	TRK 4911			EQUIPMENT FAILURE
2/1/2019 15:46	2/1/2019 22:46	Subtransmission	None	TRK 2218			EQUIPMENT FAILURE
2/1/2019 13:24	2/1/2019 15:56	Subtransmission	None	TRK 2218			EQUIPMENT FAILURE
2/1/2019 10:55	2/1/2019 17:57	Subtransmission	None	TRK 2218			EQUIPMENT FAILURE
2/3/2019 9:51	2/3/2019 12:59	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
2/3/2019 9:42	2/3/2019 13:11	Subtransmission	Distribution	TRK 1303	1949	307102	EQUIPMENT FAILURE
2/3/2019 9:41	2/3/2019 12:29	Subtransmission	Subtransmission	TRK 1303	173	28930	EQUIPMENT FAILURE
2/3/2019 9:42	2/3/2019 13:11	Subtransmission	Distribution	TRK 1303	840	93219	EQUIPMENT FAILURE
2/3/2019 9:41	2/3/2019 13:11	Subtransmission	Distribution	TRK 1303	717	94937	EQUIPMENT FAILURE
2/8/2019 12:21	2/8/2019 14:40	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
2/8/2019 4:33	2/8/2019 15:02	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
2/12/2019 8:51	2/13/2019 12:48	Subtransmission	None	TRK 446			EQUIPMENT FAILURE
2/12/2019 9:02	2/12/2019 12:05	Subtransmission	None	TRK 446			EQUIPMENT FAILURE
2/14/2019 4:40	2/18/2019 17:13	Subtransmission	None	TIE 1531			EQUIPMENT FAILURE
2/14/2019 0:33	2/14/2019 2:45	Subtransmission	None	TIE 1531			EQUIPMENT FAILURE
2/15/2019 15:00	2/15/2019 19:30	Subtransmission	Distribution	TIE 4104	1141	307784	EQUIPMENT FAILURE
2/16/2019 7:56	2/16/2019 14:28	Subtransmission	None	TRK 3534			EQUIPMENT FAILURE
2/23/2019 5:01	2/23/2019 14:50	Subtransmission	None	TRK 2247			EQUIPMENT FAILURE
2/24/2019 19:14	2/26/2019 14:14	Subtransmission	None	TIE 3245			EQUIPMENT FAILURE
2/24/2019 19:41	2/26/2019 14:14	Subtransmission	None	TIE 3245			EQUIPMENT FAILURE
2/24/2019 18:54	2/24/2019 20:53	Subtransmission	Distribution	TIE 3245	274	32516	EQUIPMENT FAILURE
2/25/2019 6:57	2/27/2019 17:27	Subtransmission	None	TIE 9111			EQUIPMENT FAILURE
2/25/2019 14:06	2/25/2019 16:19	Subtransmission	None	TRK 7104			EQUIPMENT FAILURE
3/9/2019 18:17	3/9/2019 22:49	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
3/9/2019 17:54	3/9/2019 19:07	Subtransmission	Distribution	TIE 6138	283	32737	EQUIPMENT FAILURE
3/9/2019 17:56	3/9/2019 19:00	Subtransmission	Subtransmission	TIE 6138	1585	89676	EQUIPMENT FAILURE
3/9/2019 17:56	3/9/2019 19:00	Subtransmission	Subtransmission	TIE 6138	1179	64156	EQUIPMENT FAILURE
3/9/2019 17:55	3/9/2019 19:07	Subtransmission	Subtransmission	TIE 6138	1561	288504	EQUIPMENT FAILURE
3/9/2019 17:54	3/9/2019 19:09	Subtransmission	Subtransmission	TIE 6138	2519	158514	EQUIPMENT FAILURE
3/10/2019 17:07	3/10/2019 21:27	Subtransmission	None	TIE 7430			EQUIPMENT FAILURE
3/11/2019 18:14	3/11/2019 22:41	Subtransmission	None	TIE 7430			EQUIPMENT FAILURE
3/11/2019 19:47	3/11/2019 22:48	Subtransmission	None	TIE 7430			EQUIPMENT FAILURE
3/11/2019 21:54	3/12/2019 16:39	Subtransmission	None	TIE 7430			EQUIPMENT FAILURE
3/20/2019 4:14	3/20/2019 16:15	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
3/23/2019 13:36	3/23/2019 21:03	Subtransmission	None	TRK 8215			EQUIPMENT FAILURE
3/31/2019 0:20	3/31/2019 20:24	Subtransmission	None	TIE 6602			EQUIPMENT FAILURE
3/31/2019 0:19	3/31/2019 1:41	Subtransmission	None	TIE 6602			EQUIPMENT FAILURE
4/6/2019 10:51	4/6/2019 11:58	Subtransmission	None	TIE 5513			EQUIPMENT FAILURE
4/6/2019 10:42	4/6/2019 11:36	Subtransmission	Substation	TIE 5513	578	28186	EQUIPMENT FAILURE
4/6/2019 11:12	4/6/2019 16:37	Subtransmission	None	TIE 5513			EQUIPMENT FAILURE
4/12/2019 13:49	4/12/2019 16:23	Subtransmission	Distribution	TIE 586	641	87998	EQUIPMENT FAILURE
4/19/2019 9:39	4/19/2019 12:22	Subtransmission	Distribution	TRK 2611	517	84548	EQUIPMENT FAILURE
4/19/2019 9:39	4/19/2019 12:22	Subtransmission	Distribution	TRK 2611	792	129297	EQUIPMENT FAILURE
4/19/2019 9:39	4/19/2019 12:22	Subtransmission	Distribution	TRK 2636	404	78924	EQUIPMENT FAILURE
4/19/2019 17:40	4/19/2019 18:30	Subtransmission	Distribution	TRK 2636	1199	34161	EQUIPMENT FAILURE
4/26/2019 16:19	4/26/2019 20:18	Subtransmission	None	TRK 4419			EQUIPMENT FAILURE
4/27/2019 6:59	4/28/2019 5:10	Subtransmission	None	TRK 4419			EQUIPMENT FAILURE
4/28/2019 11:56	4/28/2019 17:08	Subtransmission	None	TIE 1544			EQUIPMENT FAILURE
4/28/2019 13:38	4/30/2019 18:43	Subtransmission	None	TRK 4419			EQUIPMENT FAILURE
5/13/2019 17:30	5/13/2019 21:15	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
5/13/2019 6:53	5/20/2019 14:14	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
5/19/2019 7:08	5/19/2019 17:34	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
5/21/2019 10:10	5/21/2019 13:57	Subtransmission	None	TRK 7106			EQUIPMENT FAILURE
5/22/2019 15:56	5/22/2019 21:21	Subtransmission	None	TRK 5838			EQUIPMENT FAILURE
5/22/2019 15:39	5/22/2019 17:40	Subtransmission	Distribution	TRK 5838	704	85815	EQUIPMENT FAILURE
5/26/2019 9:43	5/26/2019 11:47	Subtransmission	Distribution	TRK 1602	766	82919	EQUIPMENT FAILURE
5/26/2019 9:43	5/26/2019 12:02	Subtransmission	Distribution	TRK 1602	76	10562	EQUIPMENT FAILURE
5/26/2019 9:43	5/26/2019 13:27	Subtransmission	Distribution	TRK 1602	165	36982	EQUIPMENT FAILURE
5/26/2019 19:15	5/26/2019 19:38	Subtransmission	Subtransmission	TRK 5838	706	17675	EQUIPMENT FAILURE
5/26/2019 19:15	5/26/2019 19:38	Subtransmission	Subtransmission	TRK 8538	323	8061	EQUIPMENT FAILURE
5/26/2019 19:14	5/26/2019 19:38	Subtransmission	Subtransmission	TRK 8538	526	13178	EQUIPMENT FAILURE
5/27/2019 10:54	5/27/2019 20:18	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
5/27/2019 11:07	5/27/2019 14:15	Subtransmission	Distribution	TIE 1473			EQUIPMENT FAILURE
5/27/2019 11:21	5/27/2019 19:03	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
5/27/2019 10:53	5/27/2019 15:51	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
5/29/2019 4:21	5/30/2019 22:34	Subtransmission	None	TRK 5404			EQUIPMENT FAILURE
5/30/2019 6:54	5/30/2019 13:44	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
5/31/2019 19:47	6/2/2019 8:51	Subtransmission	None	TRK 3650			EQUIPMENT FAILURE
6/1/2019 14:22	6/3/2019 3:45	Subtransmission	None	TRK 1251			EQUIPMENT FAILURE
6/2/2019 16:12	6/3/2019 3:45	Subtransmission	None	TRK 1251			EQUIPMENT FAILURE
6/2/2019 11:25	6/2/2019 13:16	Subtransmission	Substation	TRK 1251	633	73268	EQUIPMENT FAILURE
6/2/2019 7:50	6/2/2019 20:37	Subtransmission	None	TRK 3526			EQUIPMENT FAILURE
6/3/2019 11:42	6/3/2019 14:11	Subtransmission	None	TRK 1251			EQUIPMENT FAILURE
6/5/2019 7:08	6/5/2019 9:45	Subtransmission	Distribution	TIE 6621	925	124256	EQUIPMENT FAILURE
6/5/2019 7:24	6/5/2019 9:34	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
6/5/2019 10:19	6/5/2019 14:23	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE

6/5/2019 17:36	6/5/2019 21:00	Subtransmission	Distribution	TRK 4301	355	46853	EQUIPMENT FAILURE
6/5/2019 7:24	6/5/2019 9:34	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
6/6/2019 18:21	6/6/2019 20:23	Subtransmission	None	TRK 2611			EQUIPMENT FAILURE
6/10/2019 8:43	6/10/2019 20:45	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
6/13/2019 19:45	6/13/2019 22:30	Subtransmission	Distribution	TIE 3220	1613	260969	EQUIPMENT FAILURE
6/13/2019 19:53	6/14/2019 11:05	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
6/17/2019 19:24	6/18/2019 1:48	Subtransmission	None	TIE 5829			EQUIPMENT FAILURE
6/17/2019 19:20	6/18/2019 3:58	Subtransmission	None	TIE 5829			EQUIPMENT FAILURE
6/28/2019 13:30	6/28/2019 19:01	Subtransmission	None	TIE 3646			EQUIPMENT FAILURE
6/28/2019 13:38	6/28/2019 19:43	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
6/28/2019 13:37	6/28/2019 19:43	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
7/1/2019 12:10	7/1/2019 14:20	Subtransmission	Distribution	TRK 1418	2	261	EQUIPMENT FAILURE
7/1/2019 6:48	7/2/2019 21:39	Subtransmission	None	TRK 5938			EQUIPMENT FAILURE
7/5/2019 17:41	7/6/2019 20:34	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
7/5/2019 15:08	7/5/2019 21:33	Subtransmission	Distribution	TRK 3662	237	90420	EQUIPMENT FAILURE
7/5/2019 15:08	7/5/2019 21:54	Subtransmission	Subtransmission	TRK 3662	1216	452984	EQUIPMENT FAILURE
7/5/2019 13:02	7/5/2019 22:35	Subtransmission	Subtransmission	TRK 3662	736	340701	EQUIPMENT FAILURE
7/5/2019 15:08	7/5/2019 21:45	Subtransmission	Distribution	TRK 3662	786	308405	EQUIPMENT FAILURE
7/6/2019 5:38	7/6/2019 15:00	Subtransmission	None	TIE 7745			EQUIPMENT FAILURE
7/9/2019 11:41	7/10/2019 18:22	Subtransmission	None	TRK 2107			EQUIPMENT FAILURE
7/11/2019 12:30	7/11/2019 16:02	Subtransmission	None	TRK 6125			EQUIPMENT FAILURE
7/11/2019 13:52	7/11/2019 14:30	Subtransmission	Distribution	TRK 6938	1797	59722	EQUIPMENT FAILURE
7/11/2019 13:52	7/11/2019 14:25	Subtransmission	Subtransmission	TRK 6938	2654	88473	EQUIPMENT FAILURE
7/11/2019 15:04	7/12/2019 6:14	Subtransmission	None	TRK 6938			EQUIPMENT FAILURE
7/20/2019 22:25	7/22/2019 20:01	Subtransmission	None	TIE 9303			EQUIPMENT FAILURE
7/20/2019 18:58	7/21/2019 14:03	Subtransmission	None	TIE 9303			EQUIPMENT FAILURE
7/20/2019 19:09	7/22/2019 20:01	Subtransmission	None	TIE 9303			EQUIPMENT FAILURE
7/21/2019 1:04	7/21/2019 19:49	Subtransmission	None	TIE 9205			EQUIPMENT FAILURE
7/21/2019 1:02	7/25/2019 15:15	Subtransmission	None	TIE 9205			EQUIPMENT FAILURE
7/21/2019 0:55	7/21/2019 13:29	Subtransmission	None	TRK 2439			EQUIPMENT FAILURE
7/21/2019 7:28	7/25/2019 16:23	Subtransmission	None	TRK 385			EQUIPMENT FAILURE
7/21/2019 18:46	7/22/2019 21:07	Subtransmission	None	TRK 7065			EQUIPMENT FAILURE
7/22/2019 5:09	7/23/2019 5:11	Subtransmission	None	TIE 9205			EQUIPMENT FAILURE
7/22/2019 1:15	7/22/2019 20:01	Subtransmission	None	TIE 9303			EQUIPMENT FAILURE
7/22/2019 1:13	7/23/2019 5:25	Subtransmission	None	TRK 385			EQUIPMENT FAILURE
7/22/2019 1:20	8/5/2019 10:24	Subtransmission	None	TRK 7065			EQUIPMENT FAILURE
7/23/2019 19:16	7/24/2019 16:30	Subtransmission	None	TRK 2247			EQUIPMENT FAILURE
7/23/2019 21:46	7/24/2019 16:27	Subtransmission	None	TRK 2247			EQUIPMENT FAILURE
7/24/2019 0:13	7/25/2019 17:22	Subtransmission	None	TRK 385			EQUIPMENT FAILURE
7/26/2019 7:51	7/26/2019 15:24	Subtransmission	None	TRK 2247			EQUIPMENT FAILURE
7/28/2019 15:16	7/28/2019 20:06	Subtransmission	None	TIE 1467			EQUIPMENT FAILURE
7/28/2019 12:58	7/28/2019 20:00	Subtransmission	Distribution	TIE 1467	169	26147	EQUIPMENT FAILURE
7/29/2019 15:03	7/30/2019 15:04	Subtransmission	Distribution	TIE 6147	1284	94358	EQUIPMENT FAILURE
7/29/2019 22:01	7/30/2019 18:00	Subtransmission	Distribution	TIE 6147	416	30797	EQUIPMENT FAILURE
7/30/2019 13:41	7/31/2019 4:40	Subtransmission	None	TRK 2205			EQUIPMENT FAILURE
7/30/2019 16:00	8/1/2019 5:48	Subtransmission	None	TRK 2247			EQUIPMENT FAILURE
8/1/2019 2:08	8/1/2019 18:43	Subtransmission	None	TIE 6602			EQUIPMENT FAILURE
8/5/2019 19:25	8/6/2019 5:40	Subtransmission	None	TRK 2118			EQUIPMENT FAILURE
8/12/2019 22:23	8/13/2019 14:51	Subtransmission	None	TIE 1540			EQUIPMENT FAILURE
8/12/2019 17:52	8/13/2019 4:40	Subtransmission	None	TIE 7745			EQUIPMENT FAILURE
8/12/2019 13:42	8/12/2019 16:15	Subtransmission	None	TRK 1555			EQUIPMENT FAILURE
8/20/2019 16:59	8/20/2019 21:27	Subtransmission	Distribution	TRK 7324	1320	353767	EQUIPMENT FAILURE
8/20/2019 16:16	8/20/2019 22:15	Subtransmission	Distribution	TRK 7324	1086	47490	EQUIPMENT FAILURE
8/20/2019 16:16	8/20/2019 17:00	Subtransmission	Distribution	TRK 7324	123	5341	EQUIPMENT FAILURE
8/20/2019 16:16	8/20/2019 17:00	Subtransmission	Distribution	TRK 7324	603	26194	EQUIPMENT FAILURE
8/20/2019 16:16	8/20/2019 17:00	Subtransmission	Distribution	TRK 7324	938	40931	EQUIPMENT FAILURE
8/20/2019 16:27	8/21/2019 14:42	Subtransmission	None	TRK 7324			EQUIPMENT FAILURE
8/21/2019 16:25	8/21/2019 18:50	Subtransmission	Distribution	TIE 3206	515	72806	EQUIPMENT FAILURE
8/21/2019 16:31	8/22/2019 20:31	Subtransmission	None	TIE 3206			EQUIPMENT FAILURE
8/21/2019 6:54	8/21/2019 14:42	Subtransmission	None	TRK 7324			EQUIPMENT FAILURE
8/23/2019 16:08	8/23/2019 23:55	Subtransmission	None	TRK 1110			EQUIPMENT FAILURE
9/1/2019 12:33	9/1/2019 20:00	Subtransmission	Distribution	TRK 5510	400	73623	EQUIPMENT FAILURE
9/2/2019 10:17	9/11/2019 0:02	Subtransmission	None	TRK 2038			EQUIPMENT FAILURE
9/2/2019 15:36	9/3/2019 6:51	Subtransmission	None	TRK 5510			EQUIPMENT FAILURE
9/4/2019 1:02	9/4/2019 11:36	Subtransmission	None	TRK 3511			EQUIPMENT FAILURE
9/9/2019 16:48	9/15/2019 13:23	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
9/9/2019 10:37	9/9/2019 17:21	Subtransmission	None	TRK 2032			EQUIPMENT FAILURE
9/10/2019 21:17	9/10/2019 22:45	Subtransmission	Subtransmission	TIE 4109	408	35771	EQUIPMENT FAILURE
9/10/2019 21:17	9/10/2019 22:45	Subtransmission	Subtransmission	TIE 4109	94	8169	EQUIPMENT FAILURE
9/10/2019 21:06	9/10/2019 22:22	Subtransmission	Subtransmission	TIE 4109	829	177241	EQUIPMENT FAILURE
9/11/2019 17:29	9/12/2019 17:04	Subtransmission	Distribution	TRK 2922	933	1211533	EQUIPMENT FAILURE
9/16/2019 7:51	9/17/2019 20:26	Subtransmission	None	TRK 346			EQUIPMENT FAILURE
9/16/2019 15:09	9/17/2019 20:25	Subtransmission	None	TRK 346			EQUIPMENT FAILURE
9/21/2019 16:41	9/21/2019 19:05	Subtransmission	None	TRK 2054			EQUIPMENT FAILURE
9/21/2019 16:39	9/21/2019 18:05	Subtransmission	None	TRK 2054			EQUIPMENT FAILURE
9/21/2019 16:47	9/21/2019 22:06	Subtransmission	None	TRK 2054			EQUIPMENT FAILURE
9/21/2019 16:50	9/21/2019 19:05	Subtransmission	None	TRK 2054			EQUIPMENT FAILURE
9/21/2019 16:45	9/21/2019 17:05	Subtransmission	None	TRK 2054			EQUIPMENT FAILURE
9/21/2019 16:45	9/22/2019 11:23	Subtransmission	None	TRK 2054			EQUIPMENT FAILURE
9/21/2019 16:51	9/21/2019 21:05	Subtransmission	None	TRK 2054			EQUIPMENT FAILURE
9/25/2019 13:42	9/25/2019 14:10	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
9/25/2019 15:39	9/25/2019 19:39	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
9/25/2019 16:30	9/25/2019 20:37	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
9/25/2019 16:09	9/25/2019 20:34	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
9/25/2019 16:01	9/25/2019 19:39	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
9/25/2019 16:23	9/25/2019 20:36	Subtransmission	Distribution	TRK 2519	1	235	EQUIPMENT FAILURE
9/25/2019 15:46	9/25/2019 20:49	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
9/25/2019 15:46	9/25/2019 20:49	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
9/25/2019 15:32	9/25/2019 19:32	Subtransmission	Distribution	TRK 2519	1057	250697	EQUIPMENT FAILURE
9/25/2019 15:47	9/25/2019 21:08	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
9/25/2019 15:49	9/25/2019 21:27	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
9/25/2019 15:50	9/25/2019 20:35	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
9/25/2019 16:00	9/25/2019 20:35	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
9/25/2019 15:35	9/25/2019 20:47	Subtransmission	Distribution	TRK 2519	977	305640	EQUIPMENT FAILURE
9/25/2019 15:35	9/25/2019 19:32	Subtransmission	Distribution	TRK 2519	839	190652	EQUIPMENT FAILURE
9/25/2019 15:47	9/25/2019 21:05	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
10/2/2019 17:32	10/3/2019 1:44	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
10/7/2019 14:56	10/8/2019 7:17	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
10/10/2019 11:09	10/10/2019 12:08	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
10/14/2019 11:04	10/14/2019 13:28	Subtransmission	Distribution	TRK 7389	461	59381	EQUIPMENT FAILURE
10/14/2019 11:04	10/14/2019 13:28	Subtransmission	Distribution	TRK 7389	102	13136	EQUIPMENT FAILURE
10/14/2019 11:04	10/14/2019 13:28	Subtransmission	Distribution	TRK 7389	104	13393	EQUIPMENT FAILURE
10/20/2019 4:30	10/20/2019 13:17	Subtransmission	None	TRK 7389			EQUIPMENT FAILURE
10/20/2019 4:19	10/20/2019 14:00	Subtransmission	Distribution	TRK 7389	458	65266	EQUIPMENT FAILURE
10/20/2019 4:19	10/20/2019 8:15	Subtransmission	Distribution	TRK 7389	18	4205	EQUIPMENT FAILURE

10/20/2019 4:19	10/20/2019 6:40	Subtransmission	Distribution	TRK 7389	14	3765	EQUIPMENT FAILURE
10/21/2019 20:52	10/21/2019 21:54	Subtransmission	None	TRK 721			EQUIPMENT FAILURE
10/23/2019 17:02	10/24/2019 21:53	Subtransmission	None	TRK 7389			EQUIPMENT FAILURE
11/9/2019 10:00	11/9/2019 12:30	Subtransmission	Distribution	TRK 5906	1	188	EQUIPMENT FAILURE
11/26/2019 2:52	11/26/2019 21:02	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
11/26/2019 3:09	11/27/2019 6:25	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
11/27/2019 17:03	11/29/2019 5:00	Subtransmission	Distribution	TRK 1403	2	3645	EQUIPMENT FAILURE
11/27/2019 9:38	11/30/2019 5:32	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
11/29/2019 0:29	11/29/2019 16:06	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE
11/29/2019 0:29	11/29/2019 16:07	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE
11/30/2019 19:27	11/30/2019 22:28	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE
12/7/2019 11:51	12/7/2019 22:38	Subtransmission	None	TRK 2713			EQUIPMENT FAILURE
12/9/2019 15:16	12/9/2019 17:37	Subtransmission	None	TRK 2437			EQUIPMENT FAILURE
12/29/2019 20:00	12/30/2019 19:34	Subtransmission	None	TRK 1527			EQUIPMENT FAILURE
12/29/2019 4:13	12/29/2019 13:53	Subtransmission	None	TRK 1527			EQUIPMENT FAILURE
12/29/2019 3:31	12/29/2019 18:03	Subtransmission	None	TRK 1527			EQUIPMENT FAILURE
12/31/2019 11:12	12/31/2019 20:59	Subtransmission	None	TIE 1467			EQUIPMENT FAILURE
12/31/2019 9:01	1/2/2020 6:50	Subtransmission	None	TIE 1467			EQUIPMENT FAILURE
12/31/2019 12:54	12/31/2019 16:45	Subtransmission	Subtransmission	TIE 1467	7	252	EQUIPMENT FAILURE
1/7/2020 0:54	1/7/2020 3:03	Subtransmission	Subtransmission	TRK 3511	299	38301	EQUIPMENT FAILURE
1/7/2020 0:54	1/7/2020 3:03	Subtransmission	Subtransmission	TRK 3511	17	2176	EQUIPMENT FAILURE
1/7/2020 1:31	1/7/2020 2:06	Subtransmission	None	TRK 3511			EQUIPMENT FAILURE
1/9/2020 23:34	1/10/2020 6:15	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/9/2020 23:22	1/10/2020 1:33	Subtransmission	Distribution	TIE 7733	603	79994	EQUIPMENT FAILURE
1/9/2020 23:22	1/10/2020 1:33	Subtransmission	Distribution	TIE 7733	537	71326	EQUIPMENT FAILURE
1/9/2020 23:22	1/10/2020 0:36	Subtransmission	Distribution	TIE 7733	1550	116038	EQUIPMENT FAILURE
1/9/2020 23:22	1/10/2020 0:36	Subtransmission	Distribution	TIE 7733	333	25438	EQUIPMENT FAILURE
1/9/2020 23:22	1/10/2020 1:33	Subtransmission	Distribution	TIE 7733	2	280	EQUIPMENT FAILURE
1/9/2020 23:22	1/10/2020 1:33	Subtransmission	Distribution	TIE 7733	93	12311	EQUIPMENT FAILURE
1/9/2020 23:22	1/10/2020 1:33	Subtransmission	Distribution	TIE 7733	2831	375745	EQUIPMENT FAILURE
1/9/2020 23:22	1/10/2020 0:36	Subtransmission	Distribution	TIE 7733	328	25319	EQUIPMENT FAILURE
1/11/2020 18:25	1/13/2020 19:41	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
1/11/2020 11:06	1/11/2020 13:27	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/11/2020 10:56	1/11/2020 11:40	Subtransmission	Distribution	TIE 7733	320	14245	EQUIPMENT FAILURE
1/11/2020 10:56	1/11/2020 11:40	Subtransmission	Distribution	TIE 7733	1322	58864	EQUIPMENT FAILURE
1/11/2020 10:56	1/11/2020 11:40	Subtransmission	Distribution	TIE 7733	333	294000	EQUIPMENT FAILURE
1/11/2020 11:05	1/11/2020 13:29	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/11/2020 11:01	1/11/2020 13:44	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/11/2020 11:09	1/11/2020 12:53	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/11/2020 11:02	1/11/2020 13:03	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/11/2020 11:01	1/11/2020 11:51	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/11/2020 10:59	1/11/2020 12:53	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/11/2020 11:00	1/11/2020 13:28	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/11/2020 11:54	1/11/2020 15:37	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/11/2020 11:06	1/11/2020 11:51	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/11/2020 10:56	1/11/2020 11:40	Subtransmission	Distribution	TIE 7733	539	24011	EQUIPMENT FAILURE
1/11/2020 11:06	1/11/2020 11:40	Subtransmission	Distribution	TIE 7733	88	3897	EQUIPMENT FAILURE
1/11/2020 10:57	1/11/2020 11:40	Subtransmission	Distribution	TIE 7733	2840	126528	EQUIPMENT FAILURE
1/11/2020 9:26	1/11/2020 11:47	Subtransmission	Distribution	TIE 7733	604	26855	EQUIPMENT FAILURE
1/11/2020 11:03	1/11/2020 19:42	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/11/2020 11:31	1/12/2020 15:30	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/11/2020 11:06	1/11/2020 11:52	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/11/2020 11:07	1/11/2020 11:52	Subtransmission	None	TIE 7733			EQUIPMENT FAILURE
1/12/2020 21:09	1/13/2020 3:06	Subtransmission	None	TRK 3518			EQUIPMENT FAILURE
1/14/2020 9:37	1/14/2020 15:15	Subtransmission	Distribution	TRK 474	1055	321268	EQUIPMENT FAILURE
1/14/2020 11:30	1/14/2020 15:45	Subtransmission	Distribution	TRK 474	12	4237	EQUIPMENT FAILURE
1/23/2020 17:02	1/24/2020 20:17	Subtransmission	None	TRK 1110			EQUIPMENT FAILURE
1/26/2020 21:42	1/27/2020 3:17	Subtransmission	Distribution	TRK 5906	1	212	EQUIPMENT FAILURE
2/19/2020 19:27	2/20/2020 15:00	Subtransmission	None	TRK 2301			EQUIPMENT FAILURE
3/8/2020 22:12	3/8/2020 22:28	Subtransmission	None	TRK 2418			EQUIPMENT FAILURE
3/17/2020 16:53	3/17/2020 19:42	Subtransmission	None	TRK 620			EQUIPMENT FAILURE
3/17/2020 16:58	3/17/2020 19:45	Subtransmission	None	TRK 620			EQUIPMENT FAILURE
3/17/2020 22:28	3/18/2020 4:54	Subtransmission	None	TRK 620			EQUIPMENT FAILURE
3/19/2020 16:27	3/20/2020 20:58	Subtransmission	None	TRK 620			EQUIPMENT FAILURE
3/20/2020 23:21	3/21/2020 11:06	Subtransmission	None	TRK 1243			EQUIPMENT FAILURE
3/20/2020 23:26	3/20/2020 23:46	Subtransmission	None	TRK 1243			EQUIPMENT FAILURE
3/20/2020 23:26	3/21/2020 2:13	Subtransmission	None	TRK 1243			EQUIPMENT FAILURE
3/21/2020 7:09	3/21/2020 12:27	Subtransmission	None	TRK 1243			EQUIPMENT FAILURE
3/26/2020 12:09	3/28/2020 14:42	Subtransmission	None	TIE 1540			EQUIPMENT FAILURE
3/29/2020 13:03	3/29/2020 17:14	Subtransmission	None	TRK 2931			EQUIPMENT FAILURE
3/29/2020 13:14	3/29/2020 17:21	Subtransmission	None	TRK 2931			EQUIPMENT FAILURE
3/29/2020 13:58	3/29/2020 18:28	Subtransmission	None	TRK 446			EQUIPMENT FAILURE
3/30/2020 4:51	3/30/2020 15:45	Subtransmission	None	TIE 7745			EQUIPMENT FAILURE
4/4/2020 21:18	4/4/2020 21:36	Subtransmission	None	TIE 1268			EQUIPMENT FAILURE
4/4/2020 21:16	4/4/2020 21:23	Subtransmission	None	TIE 1268			EQUIPMENT FAILURE
4/4/2020 21:15	4/5/2020 0:44	Subtransmission	Distribution	TIE 1268	785	46675	EQUIPMENT FAILURE
4/4/2020 21:18	4/5/2020 0:44	Subtransmission	Distribution	TIE 1268	392	22303	EQUIPMENT FAILURE
4/4/2020 21:36	4/5/2020 5:15	Subtransmission	None	TIE 1268			EQUIPMENT FAILURE
4/4/2020 21:18	4/5/2020 0:44	Subtransmission	Distribution	TIE 1268	383	39974	EQUIPMENT FAILURE
4/4/2020 21:39	4/5/2020 5:14	Subtransmission	None	TIE 1268			EQUIPMENT FAILURE
4/4/2020 21:15	4/5/2020 0:44	Subtransmission	Distribution	TIE 1268	383	67050	EQUIPMENT FAILURE
4/4/2020 21:15	4/5/2020 0:44	Subtransmission	Distribution	TIE 1268	41	7013	EQUIPMENT FAILURE
4/4/2020 21:15	4/5/2020 0:44	Subtransmission	Distribution	TIE 1268	301	31670	EQUIPMENT FAILURE
4/4/2020 21:15	4/5/2020 0:44	Subtransmission	Distribution	TIE 1268	674	42101	EQUIPMENT FAILURE
4/5/2020 21:20	4/5/2020 23:21	Subtransmission	None	TIE 1568			EQUIPMENT FAILURE
4/13/2020 19:37	4/14/2020 3:01	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
4/13/2020 19:50	4/14/2020 7:39	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
4/13/2020 19:38	4/13/2020 22:54	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
4/17/2020 20:13	4/18/2020 12:56	Subtransmission	None	TRK 8403			EQUIPMENT FAILURE
4/18/2020 13:49	4/18/2020 16:55	Subtransmission	None	TRK 8403			EQUIPMENT FAILURE
4/27/2020 19:22	4/27/2020 21:01	Subtransmission	Distribution	TRK 720	501	47185	EQUIPMENT FAILURE
4/27/2020 19:22	4/27/2020 21:30	Subtransmission	Substation	TRK 721	673	78753	EQUIPMENT FAILURE
4/27/2020 20:45	4/27/2020 21:23	Subtransmission	Distribution	TRK 721	1	117	EQUIPMENT FAILURE
4/27/2020 21:39	4/27/2020 23:20	Subtransmission	None	TRK 721			EQUIPMENT FAILURE
5/15/2020 8:50	5/16/2020 0:35	Subtransmission	None	TRK 5817			EQUIPMENT FAILURE
5/15/2020 6:54	5/15/2020 14:03	Subtransmission	None	TRK 5817			EQUIPMENT FAILURE
5/16/2020 5:38	5/16/2020 19:17	Subtransmission	None	TIE4105			EQUIPMENT FAILURE
5/16/2020 15:45	5/17/2020 15:00	Subtransmission	None	TRK 5817			EQUIPMENT FAILURE
5/26/2020 18:40	5/27/2020 3:24	Subtransmission	None	TIE 6602			EQUIPMENT FAILURE
5/26/2020 18:29	5/27/2020 4:45	Subtransmission	Distribution	TIE 6602	1972	553482	EQUIPMENT FAILURE
5/27/2020 18:09	5/27/2020 20:00	Subtransmission	Distribution	TIE 1467	160	17489	EQUIPMENT FAILURE
5/27/2020 5:25	5/27/2020 8:30	Subtransmission	Distribution	TIE 6602			EQUIPMENT FAILURE
5/27/2020 14:18	5/30/2020 19:22	Subtransmission	None	TRK 2455			EQUIPMENT FAILURE
5/28/2020 20:12	5/28/2020 22:10	Subtransmission	None	TRK 4405			EQUIPMENT FAILURE
5/29/2020 21:38	5/30/2020 20:46	Subtransmission	None	TIE 329			EQUIPMENT FAILURE

5/29/2020 5:18	6/1/2020 14:55	Subtransmission	None	TRK 372			EQUIPMENT FAILURE
5/29/2020 5:53	6/1/2020 14:56	Subtransmission	None	TRK 372			EQUIPMENT FAILURE
5/30/2020 7:44	5/30/2020 18:19	Subtransmission	None	TRK 3534			EQUIPMENT FAILURE
6/2/2020 18:44	6/2/2020 22:25	Subtransmission	None	TRK 372			EQUIPMENT FAILURE
6/2/2020 12:03	6/2/2020 19:58	Subtransmission	None	TRK 372			EQUIPMENT FAILURE
6/3/2020 18:09	6/3/2020 20:08	Subtransmission	None	TIE 9111			EQUIPMENT FAILURE
6/4/2020 17:10	6/5/2020 15:43	Subtransmission	None	TRK 372			EQUIPMENT FAILURE
6/10/2020 21:43	6/11/2020 12:16	Subtransmission	None	TIE 6147			EQUIPMENT FAILURE
6/10/2020 16:12	6/11/2020 11:45	Subtransmission	Distribution	TIE 6147	1464	1426588	EQUIPMENT FAILURE
6/10/2020 16:49	6/11/2020 11:41	Subtransmission	Distribution	TIE 6147	2998	2817944	EQUIPMENT FAILURE
6/11/2020 14:23	6/12/2020 16:58	Subtransmission	None	TRK 3509			EQUIPMENT FAILURE
6/14/2020 18:08	6/14/2020 20:29	Subtransmission	Distribution	TIE 1568	1	175	EQUIPMENT FAILURE
6/14/2020 20:38	6/15/2020 4:58	Subtransmission	None	TRK 3509			EQUIPMENT FAILURE
6/16/2020 8:43	6/17/2020 5:47	Subtransmission	None	TRK 2107			EQUIPMENT FAILURE
6/21/2020 8:01	6/21/2020 15:08	Subtransmission	None	TRK 1232			EQUIPMENT FAILURE
6/21/2020 11:56	6/22/2020 12:05	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE
6/21/2020 13:05	6/23/2020 1:04	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE
6/22/2020 19:47	6/23/2020 0:52	Subtransmission	None	TIE 7745			EQUIPMENT FAILURE
6/23/2020 11:17	6/28/2020 20:29	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE
6/30/2020 16:12	6/30/2020 18:55	Subtransmission	Subtransmission	TRK 2237	406	63098	EQUIPMENT FAILURE
6/30/2020 16:12	6/30/2020 18:25	Subtransmission	Subtransmission	TRK 2237	623	83168	EQUIPMENT FAILURE
6/30/2020 16:12	6/30/2020 18:55	Subtransmission	Subtransmission	TRK 2237	672	123792	EQUIPMENT FAILURE
6/30/2020 16:12	6/30/2020 20:42	Subtransmission	Subtransmission	TRK 2237	1268	311714	EQUIPMENT FAILURE
7/9/2020 21:20	7/10/2020 3:34	Subtransmission	Distribution	TIE 3705	415	156044	EQUIPMENT FAILURE
7/9/2020 21:20	7/10/2020 3:34	Subtransmission	Distribution	TIE 3705	1286	486202	EQUIPMENT FAILURE
7/9/2020 21:38	7/10/2020 4:12	Subtransmission	None	TIE 3705			EQUIPMENT FAILURE
7/10/2020 13:10	7/10/2020 22:25	Subtransmission	Subtransmission	TRK 3646	1450	807190	EQUIPMENT FAILURE
7/10/2020 15:23	7/11/2020 8:14	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
7/11/2020 10:33	7/11/2020 18:45	Subtransmission	None	TRK 2205			EQUIPMENT FAILURE
7/11/2020 12:18	7/12/2020 12:00	Subtransmission	Distribution	TRK 2205			EQUIPMENT FAILURE
7/17/2020 17:40	7/19/2020 16:21	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 13:11	7/19/2020 17:00	Subtransmission	Distribution	TIE 6138			EQUIPMENT FAILURE
7/19/2020 13:54	7/19/2020 18:25	Subtransmission	Distribution	TIE 6138			EQUIPMENT FAILURE
7/19/2020 10:50	7/19/2020 12:38	Subtransmission	Subtransmission	TIE 6138	2397	256417	EQUIPMENT FAILURE
7/19/2020 10:51	7/19/2020 10:58	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 10:51	7/19/2020 10:57	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 10:51	7/19/2020 10:58	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 10:53	7/19/2020 10:59	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 10:52	7/19/2020 11:04	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 10:53	7/19/2020 11:00	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 10:51	7/19/2020 11:06	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 12:59	7/19/2020 13:06	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 10:52	7/19/2020 10:58	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 10:53	7/19/2020 11:00	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 10:51	7/19/2020 11:05	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 10:54	7/19/2020 11:00	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 10:51	7/19/2020 10:57	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 10:53	7/19/2020 11:00	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 8:47	7/19/2020 20:27	Subtransmission	Distribution	TIE 6138	8	550	EQUIPMENT FAILURE
7/19/2020 11:07	7/19/2020 14:40	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 11:05	7/19/2020 16:06	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
7/19/2020 10:50	7/19/2020 20:21	Subtransmission	Distribution	TIE 6138	3	191	EQUIPMENT FAILURE
7/19/2020 10:50	7/19/2020 20:37	Subtransmission	Distribution	TIE 6138	5	1389	EQUIPMENT FAILURE
7/19/2020 10:52	7/19/2020 20:33	Subtransmission	Distribution	TIE 6138	42	30855	EQUIPMENT FAILURE
7/19/2020 10:50	7/19/2020 20:39	Subtransmission	Distribution	TIE 6138	2026	401149	EQUIPMENT FAILURE
7/19/2020 10:53	7/19/2020 20:08	Subtransmission	Distribution	TIE 6138	543	182948	EQUIPMENT FAILURE
7/19/2020 10:50	7/19/2020 18:00	Subtransmission	Distribution	TIE 6138	396	77864	EQUIPMENT FAILURE
7/19/2020 22:22	7/21/2020 15:47	Subtransmission	None	TRK 2010			EQUIPMENT FAILURE
7/19/2020 22:01	7/20/2020 13:34	Subtransmission	None	TRK 2038			EQUIPMENT FAILURE
7/19/2020 11:22	7/19/2020 19:54	Subtransmission	None	TRK 5838			EQUIPMENT FAILURE
7/20/2020 14:23	7/21/2020 15:11	Subtransmission	None	TRK 2038			EQUIPMENT FAILURE
7/21/2020 17:22	7/21/2020 19:30	Subtransmission	None	TRK 2038			EQUIPMENT FAILURE
8/2/2020 6:32	8/3/2020 8:55	Subtransmission	Distribution	TRK 1602	394	27597	EQUIPMENT FAILURE
8/3/2020 2:09	8/3/2020 8:55	Subtransmission	Distribution	TRK 1602	753	51979	EQUIPMENT FAILURE
8/3/2020 7:49	8/3/2020 8:55	Subtransmission	Distribution	TRK 1602	29	1971	EQUIPMENT FAILURE
8/3/2020 7:49	8/3/2020 8:55	Subtransmission	Distribution	TRK 1602	978	67259	EQUIPMENT FAILURE
8/3/2020 7:49	8/3/2020 8:55	Subtransmission	Distribution	TRK 1602	218	14921	EQUIPMENT FAILURE
8/3/2020 7:49	8/3/2020 8:55	Subtransmission	Distribution	TRK 1602	390	26737	EQUIPMENT FAILURE
8/3/2020 7:49	8/3/2020 8:55	Subtransmission	Distribution	TRK 1602	222	15282	EQUIPMENT FAILURE
8/3/2020 7:49	8/3/2020 8:55	Subtransmission	Distribution	TRK 1602	661	45225	EQUIPMENT FAILURE
8/3/2020 7:49	8/3/2020 8:55	Subtransmission	Distribution	TRK 1602	654	44568	EQUIPMENT FAILURE
8/3/2020 7:49	8/3/2020 8:55	Subtransmission	Distribution	TRK 1602	678	47030	EQUIPMENT FAILURE
8/4/2020 8:06	8/4/2020 13:39	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
8/12/2020 22:51	8/13/2020 0:44	Subtransmission	None	TRK 648			EQUIPMENT FAILURE
8/12/2020 22:59	8/13/2020 0:46	Subtransmission	None	TRK 648			EQUIPMENT FAILURE
8/12/2020 22:58	8/13/2020 0:46	Subtransmission	None	TRK 648			EQUIPMENT FAILURE
8/12/2020 22:59	8/13/2020 0:46	Subtransmission	None	TRK 648			EQUIPMENT FAILURE
8/12/2020 22:59	8/13/2020 0:46	Subtransmission	None	TRK 648			EQUIPMENT FAILURE
8/12/2020 22:48	8/13/2020 0:14	Subtransmission	Distribution	TRK 648	1238	115247	EQUIPMENT FAILURE
8/15/2020 7:47	8/15/2020 23:53	Subtransmission	None	TRK 1232			EQUIPMENT FAILURE
8/16/2020 8:02	8/16/2020 10:05	Subtransmission	None	TRK 2016			EQUIPMENT FAILURE
8/16/2020 8:11	8/16/2020 10:05	Subtransmission	None	TRK 2016			EQUIPMENT FAILURE
8/16/2020 16:26	8/16/2020 17:43	Subtransmission	Distribution	TRK 2016	317	19269	EQUIPMENT FAILURE
8/19/2020 12:11	8/19/2020 13:45	Subtransmission	None	TRK 2016			EQUIPMENT FAILURE
8/21/2020 12:42	8/21/2020 14:39	Subtransmission	None	TRK 441			EQUIPMENT FAILURE
8/21/2020 12:48	8/21/2020 14:39	Subtransmission	None	TRK 441			EQUIPMENT FAILURE
8/21/2020 12:45	8/21/2020 14:39	Subtransmission	None	TRK 441			EQUIPMENT FAILURE
8/21/2020 12:44	8/21/2020 14:39	Subtransmission	None	TRK 441			EQUIPMENT FAILURE
8/21/2020 12:37	8/21/2020 14:20	Subtransmission	Subtransmission	TRK 441	1116	44364	EQUIPMENT FAILURE
8/22/2020 15:58	8/22/2020 19:00	Subtransmission	Distribution	TRK 474	11	1518	EQUIPMENT FAILURE
8/23/2020 17:19	8/23/2020 20:00	Subtransmission	Distribution	TIE 1318	3116	23425	EQUIPMENT FAILURE
8/23/2020 17:19	8/23/2020 18:00	Subtransmission	Distribution	TIE 1318	732	283160	EQUIPMENT FAILURE
8/23/2020 17:25	8/23/2020 21:45	Subtransmission	Distribution	TIE 1318	980	380094	EQUIPMENT FAILURE
8/23/2020 17:48	8/23/2020 23:00	Subtransmission	None	TIE 1318			EQUIPMENT FAILURE
8/24/2020 2:01	8/24/2020 5:15	Subtransmission	Distribution	TIE 1318			EQUIPMENT FAILURE
8/29/2020 8:48	8/30/2020 12:18	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
8/29/2020 16:20	8/30/2020 4:57	Subtransmission	None	TRK 346			EQUIPMENT FAILURE
8/30/2020 15:45	8/31/2020 11:01	Subtransmission	Distribution	TRK 346	1	137	EQUIPMENT FAILURE
8/30/2020 8:53	8/30/2020 17:26	Subtransmission	None	TRK 346			EQUIPMENT FAILURE
9/13/2020 9:41	9/13/2020 12:02	Subtransmission	Substation	TIE 1568	272	28681	EQUIPMENT FAILURE
9/13/2020 9:41	9/13/2020 13:00	Subtransmission	Distribution	TIE 1568	237	60194	EQUIPMENT FAILURE
9/23/2020 13:55	9/23/2020 15:09	Subtransmission	Distribution	TRK 8215	1877	141895	EQUIPMENT FAILURE
9/23/2020 14:19	9/23/2020 21:50	Subtransmission	None	TRK 8215			EQUIPMENT FAILURE
9/23/2020 13:55	9/23/2020 15:09	Subtransmission	Distribution	TRK 8215	844	63791	EQUIPMENT FAILURE
9/23/2020 13:55	9/23/2020 17:15	Subtransmission	Distribution	TRK 8215	1518	114085	EQUIPMENT FAILURE

9/23/2020 13:55	9/23/2020 15:09	Subtransmission	Distribution	TRK 8215	889	66820	EQUIPMENT FAILURE
9/24/2020 16:33	9/29/2020 19:59	Subtransmission	None	TRK 2107			EQUIPMENT FAILURE
9/24/2020 16:29	9/25/2020 23:31	Subtransmission	None	TRK 2107			EQUIPMENT FAILURE
9/24/2020 12:16	9/24/2020 13:35	Subtransmission	Subtransmission	TRK 2247	1	95	EQUIPMENT FAILURE
9/24/2020 12:05	9/24/2020 13:35	Subtransmission	Distribution	TRK 2247	7	666	EQUIPMENT FAILURE
9/24/2020 12:19	9/24/2020 13:35	Subtransmission	Subtransmission	TRK 2247	1	90	EQUIPMENT FAILURE
9/24/2020 12:05	9/24/2020 13:35	Subtransmission	Subtransmission	TRK 2247	764	69359	EQUIPMENT FAILURE
9/24/2020 12:05	9/24/2020 13:35	Subtransmission	Subtransmission	TRK 2247	908	86275	EQUIPMENT FAILURE
9/24/2020 13:52	10/14/2020 14:36	Subtransmission	None	TRK 2247			EQUIPMENT FAILURE
9/24/2020 12:09	9/24/2020 19:39	Subtransmission	None	TRK 2247			EQUIPMENT FAILURE
9/25/2020 1:03	9/25/2020 7:10	Subtransmission	None	TRK 1110			EQUIPMENT FAILURE
10/4/2020 9:51	10/4/2020 17:00	Subtransmission	Distribution	TIE 4109			EQUIPMENT FAILURE
10/7/2020 5:36	10/7/2020 10:15	Subtransmission	Distribution	TIE 5829	44	10596	EQUIPMENT FAILURE
10/7/2020 6:04	10/7/2020 20:43	Subtransmission	None	TIE 5829			EQUIPMENT FAILURE
10/7/2020 5:42	10/7/2020 12:35	Subtransmission	None	TIE 5829			EQUIPMENT FAILURE
10/7/2020 5:36	10/7/2020 15:05	Subtransmission	Distribution	TIE 5829	65	34793	EQUIPMENT FAILURE
10/7/2020 5:46	10/7/2020 15:34	Subtransmission	None	TIE 5829			EQUIPMENT FAILURE
10/7/2020 5:47	10/7/2020 17:49	Subtransmission	None	TIE 5829			EQUIPMENT FAILURE
10/7/2020 5:36	10/7/2020 9:02	Subtransmission	Distribution	TIE 5829	1081	204653	EQUIPMENT FAILURE
10/7/2020 6:46	10/7/2020 11:16	Subtransmission	None	TRK 2247			EQUIPMENT FAILURE
10/11/2020 16:48	10/12/2020 15:12	Subtransmission	None	TRK 2247			EQUIPMENT FAILURE
10/14/2020 6:06	10/14/2020 12:30	Subtransmission	Distribution	TIE 6138	82	31666	EQUIPMENT FAILURE
10/14/2020 4:28	10/14/2020 6:37	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
10/14/2020 6:57	10/14/2020 11:13	Subtransmission	Subtransmission	TIE 6138	294	121185	EQUIPMENT FAILURE
10/14/2020 4:21	10/14/2020 11:13	Subtransmission	Distribution	TIE 6138	1360	484816	EQUIPMENT FAILURE
10/14/2020 4:21	10/14/2020 10:21	Subtransmission	Subtransmission	TIE 6138	666	219451	EQUIPMENT FAILURE
10/23/2020 14:25	10/24/2020 3:43	Subtransmission	None	TIE 3410			EQUIPMENT FAILURE
10/23/2020 14:07	10/23/2020 16:49	Subtransmission	Distribution	TIE 3410	331	41047	EQUIPMENT FAILURE
10/23/2020 14:07	10/23/2020 21:30	Subtransmission	Distribution	TIE 3410	241	101429	EQUIPMENT FAILURE
10/23/2020 14:27	10/25/2020 9:51	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
10/23/2020 14:09	10/23/2020 22:57	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
10/28/2020 15:24	11/20/2020 14:47	Subtransmission	None	TRK 2523			EQUIPMENT FAILURE
11/1/2020 12:39	11/1/2020 18:59	Subtransmission	Distribution	TRK 2035	512	134910	EQUIPMENT FAILURE
11/5/2020 8:06	11/5/2020 11:15	Subtransmission	None	TIE 6931			EQUIPMENT FAILURE
11/16/2020 8:57	11/21/2020 13:35	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
11/16/2020 14:57	11/18/2020 13:45	Subtransmission	None	TIE 9205			EQUIPMENT FAILURE
11/16/2020 8:20	11/17/2020 21:14	Subtransmission	None	TIE 9205			EQUIPMENT FAILURE
11/16/2020 17:28	11/17/2020 19:38	Subtransmission	None	TRK 6941			EQUIPMENT FAILURE
11/25/2020 6:27	11/25/2020 12:42	Subtransmission	Distribution	TRK 2826	414	92449	EQUIPMENT FAILURE
12/13/2020 21:38	12/14/2020 12:13	Subtransmission	None	TRK 1761			EQUIPMENT FAILURE
12/16/2020 16:29	12/16/2020 23:58	Subtransmission	None	TIE 3207			EQUIPMENT FAILURE
12/20/2020 5:20	12/20/2020 17:23	Subtransmission	None	TRK 3617			EQUIPMENT FAILURE
12/20/2020 5:10	12/20/2020 17:23	Subtransmission	None	TRK 3617			EQUIPMENT FAILURE
12/20/2020 5:16	12/20/2020 15:45	Subtransmission	None	TRK 3617			EQUIPMENT FAILURE
12/20/2020 5:33	12/21/2020 14:28	Subtransmission	None	TRK 3617			EQUIPMENT FAILURE
12/20/2020 5:09	12/20/2020 22:39	Subtransmission	Distribution	TRK 3617			EQUIPMENT FAILURE
12/20/2020 5:09	12/20/2020 12:20	Subtransmission	None	TRK 3617			EQUIPMENT FAILURE
12/20/2020 5:18	12/20/2020 17:20	Subtransmission	None	TRK 3617			EQUIPMENT FAILURE
1/4/2021 3:04	1/5/2021 4:00	Subtransmission	None	TRK 2470			EQUIPMENT FAILURE
1/14/2021 11:14	1/14/2021 15:26	Subtransmission	None	TRK 7745			EQUIPMENT FAILURE
1/23/2021 17:36	1/23/2021 19:28	Subtransmission	Distribution	TRK 6304	586	65761	EQUIPMENT FAILURE
1/23/2021 17:45	1/23/2021 22:51	Subtransmission	None	TRK 6304			EQUIPMENT FAILURE
1/23/2021 17:53	1/23/2021 22:49	Subtransmission	None	TRK 6304			EQUIPMENT FAILURE
1/26/2021 14:19	1/26/2021 20:47	Subtransmission	None	TRK 6125			EQUIPMENT FAILURE
2/3/2021 20:04	2/4/2021 1:42	Subtransmission	None	TRK 6304			EQUIPMENT FAILURE
2/3/2021 19:54	2/4/2021 1:03	Subtransmission	Distribution	TRK 6304	423	82624	EQUIPMENT FAILURE
2/3/2021 19:54	2/3/2021 22:15	Subtransmission	Distribution	TRK 6304	573	42736	EQUIPMENT FAILURE
2/20/2021 13:00	2/20/2021 19:31	Subtransmission	None	TRK 2715			EQUIPMENT FAILURE
2/20/2021 13:12	2/20/2021 19:55	Subtransmission	None	TRK 2715			EQUIPMENT FAILURE
2/21/2021 15:26	2/21/2021 19:45	Subtransmission	None	TIE 1568			EQUIPMENT FAILURE
2/27/2021 12:26	2/27/2021 13:19	Subtransmission	Distribution	TRK 1645	652	35307	EQUIPMENT FAILURE
2/27/2021 12:26	2/27/2021 13:19	Subtransmission	Distribution	TRK 1645	571	30957	EQUIPMENT FAILURE
2/27/2021 12:26	2/27/2021 13:19	Subtransmission	Distribution	TRK 1645	239	12945	EQUIPMENT FAILURE
2/27/2021 13:16	2/27/2021 13:42	Subtransmission	None	TRK 1646			EQUIPMENT FAILURE
2/27/2021 12:34	2/27/2021 13:42	Subtransmission	None	TRK 1646			EQUIPMENT FAILURE
2/27/2021 12:31	2/27/2021 15:50	Subtransmission	None	TRK 1646			EQUIPMENT FAILURE
2/28/2021 21:43	2/28/2021 23:45	Subtransmission	Subtransmission	TRK 2110	1134	122734	EQUIPMENT FAILURE
2/28/2021 21:43	2/28/2021 23:45	Subtransmission	Subtransmission	TRK 2110	787	85037	EQUIPMENT FAILURE
2/28/2021 21:54	3/1/2021 2:19	Subtransmission	None	TRK 2110			EQUIPMENT FAILURE
3/5/2021 13:24	3/5/2021 18:32	Subtransmission	None	TIE 3410			EQUIPMENT FAILURE
3/17/2021 20:07	3/18/2021 13:27	Subtransmission	None	TIE4105			EQUIPMENT FAILURE
3/24/2021 23:50	3/25/2021 1:10	Subtransmission	None	TRK 1276			EQUIPMENT FAILURE
3/25/2021 3:39	3/25/2021 8:30	Subtransmission	None	TRK 1276			EQUIPMENT FAILURE
3/26/2021 11:37	3/26/2021 13:56	Subtransmission	None	TRK 2087			EQUIPMENT FAILURE
3/26/2021 10:20	3/26/2021 13:42	Subtransmission	None	TRK 2087			EQUIPMENT FAILURE
3/26/2021 4:50	3/26/2021 12:53	Subtransmission	Distribution	TRK 2087	3	1336	EQUIPMENT FAILURE
3/26/2021 4:50	3/26/2021 12:53	Subtransmission	Distribution	TRK 2087	8	3566	EQUIPMENT FAILURE
3/26/2021 6:56	3/26/2021 13:10	Subtransmission	None	TRK 2087			EQUIPMENT FAILURE
3/26/2021 4:50	3/26/2021 12:53	Subtransmission	Distribution	TRK 2087	7	3122	EQUIPMENT FAILURE
3/26/2021 4:50	3/26/2021 12:53	Subtransmission	Distribution	TRK 2087	60	26778	EQUIPMENT FAILURE
3/26/2021 9:11	3/26/2021 19:47	Subtransmission	None	TRK 2629			EQUIPMENT FAILURE
3/28/2021 6:41	3/29/2021 5:36	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
3/31/2021 15:00	4/1/2021 4:02	Subtransmission	None	TRK 2629			EQUIPMENT FAILURE
4/1/2021 9:22	4/1/2021 12:18	Subtransmission	None	TRK 1276			EQUIPMENT FAILURE
4/7/2021 17:09	4/8/2021 15:48	Subtransmission	None	TRK 1276			EQUIPMENT FAILURE
4/7/2021 17:08	4/7/2021 20:33	Subtransmission	None	TRK 1276			EQUIPMENT FAILURE
4/7/2021 16:58	4/7/2021 17:30	Subtransmission	Distribution	TRK 1276			EQUIPMENT FAILURE
4/7/2021 21:01	4/8/2021 4:27	Subtransmission	None	TRK 1276			EQUIPMENT FAILURE
4/8/2021 15:16	4/8/2021 15:50	Subtransmission	None	TRK 1276			EQUIPMENT FAILURE
4/8/2021 6:23	4/8/2021 8:00	Subtransmission	Distribution	TRK 746	262	25375	EQUIPMENT FAILURE
4/8/2021 6:23	4/8/2021 8:00	Subtransmission	Distribution	TRK 746	557	53850	EQUIPMENT FAILURE
4/8/2021 6:23	4/8/2021 8:00	Subtransmission	Distribution	TRK 746	223	21535	EQUIPMENT FAILURE
4/8/2021 6:23	4/8/2021 8:00	Subtransmission	Distribution	TRK 746	284	27454	EQUIPMENT FAILURE
4/10/2021 11:48	4/10/2021 20:46	Subtransmission	None	TIE 7520			EQUIPMENT FAILURE
4/11/2021 14:32	4/11/2021 17:23	Subtransmission	None	TRK 1276			EQUIPMENT FAILURE
4/15/2021 13:19	4/15/2021 21:12	Subtransmission	None	TRK 2659			EQUIPMENT FAILURE
4/15/2021 19:05	4/16/2021 0:49	Subtransmission	None	TRK 2907			EQUIPMENT FAILURE
4/15/2021 6:48	4/15/2021 17:19	Subtransmission	None	TRK 746			EQUIPMENT FAILURE
4/15/2021 6:46	4/15/2021 16:25	Subtransmission	None	TRK 746			EQUIPMENT FAILURE
5/1/2021 14:42	5/1/2021 19:17	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
5/1/2021 16:35	5/2/2021 20:17	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
5/2/2021 15:06	5/3/2021 5:28	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
5/3/2021 7:22	5/3/2021 11:38	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
5/10/2021 9:22	5/10/2021 15:04	Subtransmission	None	TRK 2742			EQUIPMENT FAILURE
5/19/2021 15:29	5/27/2021 11:10	Subtransmission	None	TRK 2218			EQUIPMENT FAILURE

6/7/2021 19:26	6/8/2021 4:21	Subtransmission	None	TRK 1761			EQUIPMENT FAILURE
6/8/2021 17:24	6/8/2021 20:35	Subtransmission	Distribution	TRK 2054	1298	172433	EQUIPMENT FAILURE
6/8/2021 22:39	6/9/2021 14:00	Subtransmission	Distribution	TRK 2054	1	22	EQUIPMENT FAILURE
6/8/2021 17:53	6/8/2021 23:57	Subtransmission	None	TRK 2054			EQUIPMENT FAILURE
6/8/2021 22:54	6/9/2021 13:00	Subtransmission	Distribution	TRK 2054			EQUIPMENT FAILURE
6/8/2021 23:16	6/9/2021 12:00	Subtransmission	Distribution	TRK 2054			EQUIPMENT FAILURE
6/8/2021 17:56	6/8/2021 22:59	Subtransmission	None	TRK 2054			EQUIPMENT FAILURE
6/8/2021 17:34	6/9/2021 5:06	Subtransmission	None	TRK 2054			EQUIPMENT FAILURE
6/8/2021 17:24	6/8/2021 18:33	Subtransmission	Distribution	TRK 2054	920	54380	EQUIPMENT FAILURE
6/13/2021 13:21	6/13/2021 16:07	Subtransmission	None	TRK 3526			EQUIPMENT FAILURE
6/13/2021 15:32	6/13/2021 23:52	Subtransmission	None	TRK 3526			EQUIPMENT FAILURE
6/15/2021 7:31	6/17/2021 5:02	Subtransmission	None	TRK 3526			EQUIPMENT FAILURE
6/16/2021 20:12	6/17/2021 1:16	Subtransmission	None	TRK 7122			EQUIPMENT FAILURE
6/17/2021 1:46	6/17/2021 14:43	Subtransmission	None	TRK 8215			EQUIPMENT FAILURE
6/17/2021 1:53	6/17/2021 9:55	Subtransmission	None	TRK 8215			EQUIPMENT FAILURE
6/18/2021 22:38	6/19/2021 1:44	Subtransmission	None	TRK 3518			EQUIPMENT FAILURE
6/19/2021 12:43	6/19/2021 15:17	Subtransmission	None	TRK 3518			EQUIPMENT FAILURE
6/21/2021 7:32	6/21/2021 20:50	Subtransmission	None	TRK 1518			EQUIPMENT FAILURE
6/28/2021 15:51	6/29/2021 11:42	Subtransmission	None	TIE 6931			EQUIPMENT FAILURE
6/28/2021 17:57	6/29/2021 2:00	Subtransmission	Distribution	TIE 6931	2829	1073832	EQUIPMENT FAILURE
6/28/2021 16:53	6/29/2021 1:04	Subtransmission	Distribution	TIE 6931	1733	559960	EQUIPMENT FAILURE
6/28/2021 18:25	6/28/2021 21:35	Subtransmission	None	TIE 6931			EQUIPMENT FAILURE
6/28/2021 17:57	6/29/2021 2:00	Subtransmission	Distribution	TIE 6931	2742	1018093	EQUIPMENT FAILURE
6/28/2021 17:57	6/29/2021 0:37	Subtransmission	Distribution	TIE 6931	2448	851160	EQUIPMENT FAILURE
6/28/2021 18:04	6/28/2021 20:24	Subtransmission	None	TIE 6931			EQUIPMENT FAILURE
6/29/2021 7:37	6/29/2021 11:02	Subtransmission	None	TIE 6931			EQUIPMENT FAILURE
6/29/2021 14:46	6/30/2021 9:00	Subtransmission	Subtransmission	TRK 4301	1909	162557	EQUIPMENT FAILURE
6/29/2021 19:00	6/30/2021 9:00	Subtransmission	Subtransmission	TRK 4301	881	72637	EQUIPMENT FAILURE
6/29/2021 15:30	6/30/2021 9:00	Subtransmission	Subtransmission	TRK 4301	3	3999	EQUIPMENT FAILURE
6/30/2021 6:33	6/30/2021 9:00	Subtransmission	Subtransmission	TRK 4301	2	120	EQUIPMENT FAILURE
6/30/2021 6:33	6/30/2021 9:00	Subtransmission	Subtransmission	TRK 4301	512	42181	EQUIPMENT FAILURE
7/5/2021 18:26	7/5/2021 18:34	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
7/5/2021 19:05	7/5/2021 21:00	Subtransmission	Subtransmission	TIE 3220	1685	182841	EQUIPMENT FAILURE
7/5/2021 15:10	7/5/2021 21:00	Subtransmission	Subtransmission	TIE 3220	536	58213	EQUIPMENT FAILURE
7/5/2021 15:53	7/5/2021 19:40	Subtransmission	Distribution	TIE 6907	375	73849	EQUIPMENT FAILURE
7/5/2021 15:53	7/5/2021 21:45	Subtransmission	Distribution	TIE 6907	1967	635536	EQUIPMENT FAILURE
7/5/2021 16:18	7/5/2021 21:45	Subtransmission	Distribution	TIE 6907	246	79486	EQUIPMENT FAILURE
7/5/2021 15:53	7/5/2021 21:09	Subtransmission	Distribution	TIE 6907	1206	347194	EQUIPMENT FAILURE
7/5/2021 15:53	7/5/2021 20:45	Subtransmission	Distribution	TIE 6907	874	251334	EQUIPMENT FAILURE
7/5/2021 15:53	7/5/2021 21:16	Subtransmission	Distribution	TIE 6907	71	22007	EQUIPMENT FAILURE
7/5/2021 15:53	7/5/2021 21:34	Subtransmission	Distribution	TIE 6907	759	254886	EQUIPMENT FAILURE
7/5/2021 15:53	7/5/2021 16:20	Subtransmission	Distribution	TIE 6907			EQUIPMENT FAILURE
7/5/2021 15:53	7/5/2021 20:45	Subtransmission	Distribution	TIE 6907			EQUIPMENT FAILURE
7/5/2021 17:28	7/5/2021 20:54	Subtransmission	None	TIE 6907			EQUIPMENT FAILURE
7/5/2021 17:25	7/5/2021 20:22	Subtransmission	None	TIE 6907			EQUIPMENT FAILURE
7/5/2021 15:53	7/5/2021 21:34	Subtransmission	Distribution	TIE 6907	756	253916	EQUIPMENT FAILURE
7/5/2021 16:20	7/6/2021 5:36	Subtransmission	None	TIE 6907			EQUIPMENT FAILURE
7/6/2021 16:42	7/8/2021 14:11	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
7/6/2021 20:32	7/7/2021 20:14	Subtransmission	None	TRK 853			EQUIPMENT FAILURE
7/6/2021 19:02	7/7/2021 0:30	Subtransmission	Distribution	TRK 853	838	257399	EQUIPMENT FAILURE
7/6/2021 19:00	7/6/2021 23:48	Subtransmission	None	TRK 853			EQUIPMENT FAILURE
7/7/2021 15:49	7/8/2021 6:23	Subtransmission	None	TRK 7150			EQUIPMENT FAILURE
7/7/2021 15:05	7/9/2021 18:00	Subtransmission	Distribution	TRK 7150	388	1081919	EQUIPMENT FAILURE
7/10/2021 22:27	7/11/2021 14:36	Subtransmission	None	TRK 2218			EQUIPMENT FAILURE
7/11/2021 6:21	7/11/2021 13:17	Subtransmission	None	TRK 853			EQUIPMENT FAILURE
7/11/2021 13:08	7/11/2021 16:18	Subtransmission	None	TRK 853			EQUIPMENT FAILURE
7/13/2021 16:57	7/13/2021 20:30	Subtransmission	Distribution	TIE 1467	271	46784	EQUIPMENT FAILURE
7/13/2021 16:57	7/13/2021 20:30	Subtransmission	Distribution	TIE 1467	433	74823	EQUIPMENT FAILURE
7/13/2021 17:00	7/13/2021 20:30	Subtransmission	Distribution	TIE 1467	1	173	EQUIPMENT FAILURE
7/13/2021 18:23	7/14/2021 21:51	Subtransmission	None	TIE 4708			EQUIPMENT FAILURE
7/14/2021 10:41	7/15/2021 13:22	Subtransmission	None	TIE 4708			EQUIPMENT FAILURE
7/15/2021 12:04	7/16/2021 9:24	Subtransmission	None	TIE 5823			EQUIPMENT FAILURE
7/15/2021 12:08	7/15/2021 20:06	Subtransmission	None	TIE 5823			EQUIPMENT FAILURE
7/15/2021 12:03	7/15/2021 14:02	Subtransmission	None	TIE 5823			EQUIPMENT FAILURE
7/16/2021 17:30	7/16/2021 21:44	Subtransmission	Distribution	TRK 2611	593	75331	EQUIPMENT FAILURE
7/17/2021 17:18	7/18/2021 21:42	Subtransmission	None	TRK 2218			EQUIPMENT FAILURE
7/17/2021 7:51	7/17/2021 10:00	Subtransmission	Distribution	TRK 2611	513	29885	EQUIPMENT FAILURE
7/17/2021 7:51	7/17/2021 10:30	Subtransmission	Distribution	TRK 2611	952	55486	EQUIPMENT FAILURE
7/17/2021 7:52	7/17/2021 10:00	Subtransmission	Distribution	TRK 2611	402	23426	EQUIPMENT FAILURE
7/17/2021 8:08	7/18/2021 6:52	Subtransmission	None	TRK 2611			EQUIPMENT FAILURE
7/20/2021 17:24	7/20/2021 23:00	Subtransmission	Distribution	TIE 3241	1827	240520	EQUIPMENT FAILURE
7/20/2021 17:14	7/21/2021 1:00	Subtransmission	Distribution	TIE 3241	311	70853	EQUIPMENT FAILURE
7/20/2021 17:40	7/20/2021 19:48	Subtransmission	Distribution	TIE 3241	498	65176	EQUIPMENT FAILURE
7/20/2021 17:39	7/21/2021 1:00	Subtransmission	Distribution	TIE 3241	420	94434	EQUIPMENT FAILURE
7/20/2021 17:43	7/20/2021 19:48	Subtransmission	Distribution	TIE 3241	268	35068	EQUIPMENT FAILURE
7/20/2021 17:38	7/20/2021 23:00	Subtransmission	Subtransmission	TIE 3241	528	118218	EQUIPMENT FAILURE
7/20/2021 8:03	7/20/2021 9:05	Subtransmission	Distribution	TRK 2038	538	33325	EQUIPMENT FAILURE
7/20/2021 8:03	7/20/2021 9:51	Subtransmission	Distribution	TRK 2038			EQUIPMENT FAILURE
7/20/2021 8:03	7/20/2021 9:05	Subtransmission	Distribution	TRK 2038	1211	75063	EQUIPMENT FAILURE
7/20/2021 8:03	7/20/2021 9:05	Subtransmission	Distribution	TRK 2038	565	35043	EQUIPMENT FAILURE
7/20/2021 8:03	7/20/2021 9:05	Subtransmission	Distribution	TRK 2038	700	43360	EQUIPMENT FAILURE
7/20/2021 10:38	7/20/2021 14:08	Subtransmission	None	TRK 2038			EQUIPMENT FAILURE
7/20/2021 8:03	7/20/2021 8:52	Subtransmission	Distribution	TRK 2038	621	30560	EQUIPMENT FAILURE
7/20/2021 8:03	7/20/2021 8:52	Subtransmission	Distribution	TRK 2038	986	48504	EQUIPMENT FAILURE
7/20/2021 8:03	7/20/2021 8:52	Subtransmission	Distribution	TRK 2038	158	7774	EQUIPMENT FAILURE
7/20/2021 8:04	7/20/2021 8:37	Subtransmission	Distribution	TRK 2038	1480	51123	EQUIPMENT FAILURE
7/25/2021 5:58	7/25/2021 15:44	Subtransmission	None	TIE 1268			EQUIPMENT FAILURE
7/25/2021 20:20	7/26/2021 5:31	Subtransmission	None	TIE 1268			EQUIPMENT FAILURE
7/25/2021 10:49	7/25/2021 18:46	Subtransmission	None	TRK 6722			EQUIPMENT FAILURE
7/26/2021 0:13	7/26/2021 14:13	Subtransmission	Distribution	TRK 6722			EQUIPMENT FAILURE
7/26/2021 0:13	7/26/2021 20:54	Subtransmission	Distribution	TRK 6722	1	11	EQUIPMENT FAILURE
7/26/2021 16:54	7/27/2021 16:01	Subtransmission	None	TRK 6722			EQUIPMENT FAILURE
8/5/2021 16:48	8/8/2021 20:17	Subtransmission	None	TRK 2628			EQUIPMENT FAILURE
8/5/2021 16:42	8/7/2021 21:16	Subtransmission	None	TRK 2628			EQUIPMENT FAILURE
8/5/2021 16:16	8/6/2021 14:05	Subtransmission	None	TRK 2628			EQUIPMENT FAILURE
8/5/2021 16:38	8/5/2021 21:00	Subtransmission	None	TRK 2628			EQUIPMENT FAILURE
8/9/2021 14:56	8/9/2021 17:27	Subtransmission	Distribution	TRK 2528	585	53653	EQUIPMENT FAILURE
8/9/2021 14:56	8/9/2021 17:26	Subtransmission	Distribution	TRK 2528	1249	118395	EQUIPMENT FAILURE
8/9/2021 15:07	8/31/2021 22:54	Subtransmission	None	TRK 2528			EQUIPMENT FAILURE
8/9/2021 19:18	8/10/2021 17:00	Subtransmission	None	TRK 2528			EQUIPMENT FAILURE
8/11/2021 23:33	8/12/2021 3:57	Subtransmission	None	TIE 3800			EQUIPMENT FAILURE
8/11/2021 23:44	8/12/2021 3:57	Subtransmission	None	TIE 3800			EQUIPMENT FAILURE
8/11/2021 15:33	8/13/2021 20:30	Subtransmission	Distribution	TRK 2931	958	3014202	EQUIPMENT FAILURE
8/11/2021 15:39	8/13/2021 12:00	Subtransmission	Distribution	TRK 2931	79	271492	EQUIPMENT FAILURE
8/11/2021 15:34	8/13/2021 17:15	Subtransmission	Distribution	TRK 2931	1091	2480890	EQUIPMENT FAILURE

8/11/2021 15:34	8/13/2021 18:20	Subtransmission	Distribution	TRK 2931	849	1951103	EQUIPMENT FAILURE
8/11/2021 16:01	8/11/2021 19:36	Subtransmission	None	TRK 2931			EQUIPMENT FAILURE
8/11/2021 15:28	8/12/2021 12:50	Subtransmission	Distribution	TRK 4419	1480	498034	EQUIPMENT FAILURE
8/12/2021 0:11	8/12/2021 19:00	Subtransmission	Distribution	TIE 3800	761	814033	EQUIPMENT FAILURE
8/12/2021 15:39	8/12/2021 20:05	Subtransmission	None	TIE 3800			EQUIPMENT FAILURE
8/12/2021 0:29	8/12/2021 19:16	Subtransmission	None	TIE 3800			EQUIPMENT FAILURE
8/12/2021 14:17	8/14/2021 20:00	Subtransmission	None	TIE 7430			EQUIPMENT FAILURE
8/12/2021 3:02	8/12/2021 21:12	Subtransmission	None	TIE 7745			EQUIPMENT FAILURE
8/12/2021 4:00	8/18/2021 7:51	Subtransmission	None	TRK 1409			EQUIPMENT FAILURE
8/12/2021 3:15	8/12/2021 20:08	Subtransmission	None	TRK 4338			EQUIPMENT FAILURE
8/12/2021 10:27	8/14/2021 14:17	Subtransmission	None	TRK 4338			EQUIPMENT FAILURE
8/13/2021 9:33	8/13/2021 15:16	Subtransmission	None	TIE 2819			EQUIPMENT FAILURE
8/28/2021 20:34	8/29/2021 15:25	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
8/28/2021 11:30	8/29/2021 1:17	Subtransmission	None	TRK 5923			EQUIPMENT FAILURE
8/28/2021 12:43	8/30/2021 15:35	Subtransmission	None	TRK 5923			EQUIPMENT FAILURE
8/28/2021 6:35	8/28/2021 10:30	Subtransmission	Substation	TRK 5923	612	125934	EQUIPMENT FAILURE
8/29/2021 11:12	8/29/2021 15:18	Subtransmission	None	TRK 5923			EQUIPMENT FAILURE
8/29/2021 14:43	8/29/2021 18:45	Subtransmission	None	TRK 5923			EQUIPMENT FAILURE
8/29/2021 14:48	8/30/2021 15:34	Subtransmission	None	TRK 5923			EQUIPMENT FAILURE
8/31/2021 12:59	8/31/2021 18:12	Subtransmission	None	TRK 2247			EQUIPMENT FAILURE
9/1/2021 15:23	9/2/2021 14:37	Subtransmission	None	TRK 2247			EQUIPMENT FAILURE
9/2/2021 10:39	9/3/2021 5:22	Subtransmission	None	TRK 2038			EQUIPMENT FAILURE
9/2/2021 4:39	9/2/2021 6:32	Subtransmission	None	TRK 2038			EQUIPMENT FAILURE
9/2/2021 4:07	9/2/2021 8:30	Subtransmission	Distribution	TRK 2038	617	94405	EQUIPMENT FAILURE
9/2/2021 4:07	9/2/2021 8:24	Subtransmission	Distribution	TRK 2038	985	150632	EQUIPMENT FAILURE
9/2/2021 4:07	9/2/2021 19:30	Subtransmission	Distribution	TRK 2038	11	7249	EQUIPMENT FAILURE
9/2/2021 4:07	9/2/2021 8:25	Subtransmission	Distribution	TRK 2038	158	24172	EQUIPMENT FAILURE
9/2/2021 4:07	9/2/2021 8:19	Subtransmission	Distribution	TRK 2038	6	1151	EQUIPMENT FAILURE
9/2/2021 4:19	9/2/2021 12:22	Subtransmission	None	TRK 2038			EQUIPMENT FAILURE
9/2/2021 9:56	9/2/2021 10:10	Subtransmission	Distribution	TRK 2840	12	155	EQUIPMENT FAILURE
9/2/2021 9:25	9/2/2021 9:40	Subtransmission	Distribution	TRK 2840	14	158	EQUIPMENT FAILURE
9/4/2021 7:49	9/4/2021 9:42	Subtransmission	Distribution	TRK 7104	366	41114	EQUIPMENT FAILURE
9/4/2021 7:49	9/4/2021 9:42	Subtransmission	Distribution	TRK 7104	679	76271	EQUIPMENT FAILURE
9/4/2021 7:49	9/4/2021 9:42	Subtransmission	Distribution	TRK 7104	417	46883	EQUIPMENT FAILURE
9/4/2021 7:49	9/4/2021 9:12	Subtransmission	Distribution	TRK 7104	82	9207	EQUIPMENT FAILURE
9/4/2021 8:02	9/4/2021 10:00	Subtransmission	None	TRK 7104			EQUIPMENT FAILURE
9/6/2021 7:46	9/6/2021 20:43	Subtransmission	None	TRK 7104			EQUIPMENT FAILURE
9/7/2021 15:49	9/7/2021 20:46	Subtransmission	None	TRK 7520			EQUIPMENT FAILURE
9/9/2021 16:42	9/10/2021 4:55	Subtransmission	None	TRK 652			EQUIPMENT FAILURE
9/12/2021 22:27	9/13/2021 21:14	Subtransmission	Distribution	TRK 829	923	235163	EQUIPMENT FAILURE
9/13/2021 13:49	9/13/2021 18:56	Subtransmission	None	TRK 6304			EQUIPMENT FAILURE
9/13/2021 13:24	9/13/2021 18:30	Subtransmission	Distribution	TRK 6304	2491	313626	EQUIPMENT FAILURE
9/13/2021 13:26	9/13/2021 20:15	Subtransmission	Distribution	TRK 6304	336	85825	EQUIPMENT FAILURE
9/13/2021 13:26	9/13/2021 19:50	Subtransmission	Distribution	TRK 6304	593	230582	EQUIPMENT FAILURE
9/13/2021 13:40	9/13/2021 16:28	Subtransmission	None	TRK 6304			EQUIPMENT FAILURE
9/13/2021 13:31	9/13/2021 21:14	Subtransmission	Distribution	TRK 829	8	1988	EQUIPMENT FAILURE
9/18/2021 21:54	9/26/2021 13:08	Subtransmission	None	TRK 2002			EQUIPMENT FAILURE
9/18/2021 9:39	9/18/2021 18:30	Subtransmission	Distribution	TRK 2002	586	306820	EQUIPMENT FAILURE
9/23/2021 14:29	9/25/2021 13:00	Subtransmission	Distribution	TRK 2247	951	168730	EQUIPMENT FAILURE
9/24/2021 11:06	9/25/2021 16:00	Subtransmission	Distribution	TRK 2247	662	117169	EQUIPMENT FAILURE
9/25/2021 12:48	9/25/2021 16:39	Subtransmission	Distribution	TRK 2218	803	142092	EQUIPMENT FAILURE
9/25/2021 12:48	9/25/2021 16:29	Subtransmission	Distribution	TRK 2218	943	166409	EQUIPMENT FAILURE
9/25/2021 12:48	9/25/2021 16:27	Subtransmission	Distribution	TRK 2218	822	145373	EQUIPMENT FAILURE
9/25/2021 12:48	9/25/2021 16:39	Subtransmission	Distribution	TRK 2218	1179	208147	EQUIPMENT FAILURE
9/25/2021 12:45	9/25/2021 18:30	Subtransmission	Distribution	TRK 2218	1304	230656	EQUIPMENT FAILURE
9/25/2021 12:48	9/25/2021 16:21	Subtransmission	Distribution	TRK 2218	1007	178063	EQUIPMENT FAILURE
9/25/2021 12:48	9/25/2021 16:20	Subtransmission	Distribution	TRK 2247	899	158694	EQUIPMENT FAILURE
9/25/2021 12:48	9/25/2021 18:30	Subtransmission	Distribution	TRK 2247	947	167160	EQUIPMENT FAILURE
9/25/2021 10:57	9/26/2021 15:16	Subtransmission	None	TRK 4316			EQUIPMENT FAILURE
9/25/2021 14:31	9/26/2021 0:00	Subtransmission	Distribution	TRK 636	357	201370	EQUIPMENT FAILURE
9/25/2021 14:31	9/26/2021 0:00	Subtransmission	Distribution	TRK 636	39	21789	EQUIPMENT FAILURE
9/26/2021 8:21	9/26/2021 12:53	Subtransmission	None	TRK 2247			EQUIPMENT FAILURE
10/3/2021 22:22	10/4/2021 0:44	Subtransmission	Subtransmission	TRK 8215	812	51231	EQUIPMENT FAILURE
10/3/2021 22:22	10/4/2021 0:42	Subtransmission	Subtransmission	TRK 8215	816	51267	EQUIPMENT FAILURE
10/3/2021 22:37	10/4/2021 14:48	Subtransmission	None	TRK 8215			EQUIPMENT FAILURE
10/8/2021 7:38	10/9/2021 9:50	Subtransmission	None	TIE 6147			EQUIPMENT FAILURE
10/11/2021 9:33	10/11/2021 16:00	Subtransmission	Distribution	TRK 1525	14	5185	EQUIPMENT FAILURE
10/11/2021 9:22	10/11/2021 16:01	Subtransmission	Distribution	TRK 1525	2	755	EQUIPMENT FAILURE
10/11/2021 9:30	10/11/2021 16:00	Subtransmission	Distribution	TRK 1525	412	152831	EQUIPMENT FAILURE
10/11/2021 9:39	10/11/2021 16:00	Subtransmission	Distribution	TRK 1525	12	4443	EQUIPMENT FAILURE
10/11/2021 9:33	10/11/2021 16:00	Subtransmission	Distribution	TRK 1525	28	10406	EQUIPMENT FAILURE
10/11/2021 9:29	10/11/2021 16:00	Subtransmission	Distribution	TRK 1525	591	219246	EQUIPMENT FAILURE
10/11/2021 9:15	10/11/2021 16:00	Subtransmission	Distribution	TRK 1525	804	303195	EQUIPMENT FAILURE
10/11/2021 9:31	10/11/2021 16:00	Subtransmission	Distribution	TRK 1525	42	15571	EQUIPMENT FAILURE
10/11/2021 9:20	10/11/2021 16:00	Subtransmission	Distribution	TRK 1525	418	152715	EQUIPMENT FAILURE
10/11/2021 9:34	10/11/2021 16:00	Subtransmission	Distribution	TRK 1525			EQUIPMENT FAILURE
10/13/2021 8:20	10/13/2021 9:08	Subtransmission	Distribution	TRK 447	498	24732	EQUIPMENT FAILURE
10/13/2021 8:20	10/13/2021 9:08	Subtransmission	Distribution	TRK 447	506	24999	EQUIPMENT FAILURE
10/13/2021 8:20	10/13/2021 9:08	Subtransmission	Distribution	TRK 447	539	26782	EQUIPMENT FAILURE
10/13/2021 8:20	10/13/2021 9:08	Subtransmission	Distribution	TRK 447	269	13264	EQUIPMENT FAILURE
10/13/2021 8:21	10/13/2021 9:08	Subtransmission	Distribution	TRK 447	434	21297	EQUIPMENT FAILURE
10/13/2021 8:20	10/13/2021 9:08	Subtransmission	Distribution	TRK 447	496	24652	EQUIPMENT FAILURE
10/14/2021 17:53	10/14/2021 19:29	Subtransmission	Distribution	TIE 3705			EQUIPMENT FAILURE
10/14/2021 17:50	10/14/2021 21:44	Subtransmission	Distribution	TIE 3705			EQUIPMENT FAILURE
10/14/2021 17:56	10/15/2021 4:48	Subtransmission	None	TIE 3705			EQUIPMENT FAILURE
10/21/2021 11:57	10/21/2021 16:30	Subtransmission	Subtransmission	TRK 5938	956	265027	EQUIPMENT FAILURE
10/21/2021 11:57	10/21/2021 13:05	Subtransmission	Subtransmission	TRK 5938	502	35487	EQUIPMENT FAILURE
10/21/2021 11:57	10/21/2021 13:07	Subtransmission	Subtransmission	TRK 5938	177	12483	EQUIPMENT FAILURE
10/21/2021 11:57	10/21/2021 13:05	Subtransmission	Subtransmission	TRK 5938	328	25608	EQUIPMENT FAILURE
10/21/2021 11:57	10/21/2021 13:05	Subtransmission	Subtransmission	TRK 5938	1051	74273	EQUIPMENT FAILURE
11/3/2021 17:46	11/4/2021 13:35	Subtransmission	None	TIE 1467			EQUIPMENT FAILURE
11/11/2021 13:58	11/11/2021 14:11	Subtransmission	None	TIE 226			EQUIPMENT FAILURE
11/11/2021 14:07	11/11/2021 21:14	Subtransmission	Distribution	TIE 226	9	3444	EQUIPMENT FAILURE
11/11/2021 13:50	11/11/2021 15:54	Subtransmission	None	TIE 226			EQUIPMENT FAILURE
11/11/2021 14:01	12/6/2021 12:53	Subtransmission	None	TIE 226			EQUIPMENT FAILURE
11/11/2021 13:40	11/11/2021 15:31	Subtransmission	Distribution	TIE 226			EQUIPMENT FAILURE
11/11/2021 14:39	11/11/2021 22:12	Subtransmission	Distribution	TIE 6621			EQUIPMENT FAILURE
11/11/2021 14:33	11/12/2021 0:13	Subtransmission	Distribution	TIE 6621	601	221654	EQUIPMENT FAILURE
11/11/2021 14:33	11/12/2021 0:09	Subtransmission	Distribution	TIE 6621	582	241445	EQUIPMENT FAILURE
11/11/2021 14:33	11/12/2021 0:15	Subtransmission	Distribution	TIE 6621	199	65975	EQUIPMENT FAILURE
11/12/2021 15:03	11/12/2021 15:36	Subtransmission	None	TIE 226			EQUIPMENT FAILURE
11/12/2021 7:13	11/12/2021 16:22	Subtransmission	None	TIE 226			EQUIPMENT FAILURE
11/23/2021 4:24	11/23/2021 10:30	Subtransmission	Distribution	TRK 2466	182	57073	EQUIPMENT FAILURE
11/23/2021 4:23	11/23/2021 9:54	Subtransmission	Subtransmission	TRK 2466	170	57037	EQUIPMENT FAILURE
11/23/2021 4:23	11/23/2021 10:15	Subtransmission	Distribution	TRK 2466	214	50837	EQUIPMENT FAILURE

11/23/2021 4:23	11/23/2021 10:15	Subtransmission	Distribution	TRK 2466	262	89447	EQUIPMENT FAILURE
11/26/2021 12:00	11/26/2021 15:40	Subtransmission	None	TRK 2466			EQUIPMENT FAILURE
11/27/2021 1:08	11/27/2021 8:36	Subtransmission	None	TRK 1276			EQUIPMENT FAILURE
11/27/2021 10:04	11/27/2021 16:20	Subtransmission	None	TRK 1276			EQUIPMENT FAILURE
11/28/2021 16:29	12/11/2021 10:53	Subtransmission	None	TRK 1276			EQUIPMENT FAILURE
12/4/2021 5:28	12/4/2021 8:30	Subtransmission	None	TRK 7324			EQUIPMENT FAILURE
12/4/2021 22:03	12/5/2021 5:32	Subtransmission	None	TRK 7324			EQUIPMENT FAILURE
12/11/2021 20:44	12/12/2021 7:34	Subtransmission	None	TIE 5513			EQUIPMENT FAILURE
12/11/2021 11:24	12/12/2021 18:03	Subtransmission	None	TIE 6602			EQUIPMENT FAILURE
12/11/2021 10:59	12/12/2021 12:04	Subtransmission	None	TIE 6602			EQUIPMENT FAILURE
12/11/2021 10:38	12/12/2021 16:39	Subtransmission	Distribution	TRK 1403	1	1934	EQUIPMENT FAILURE
12/11/2021 10:34	12/12/2021 16:39	Subtransmission	Distribution	TRK 1403	1	1934	EQUIPMENT FAILURE
12/11/2021 11:21	12/13/2021 12:01	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
12/12/2021 8:55	12/12/2021 14:30	Subtransmission	None	TIE 3705			EQUIPMENT FAILURE
12/12/2021 8:08	12/12/2021 14:29	Subtransmission	None	TIE 3705			EQUIPMENT FAILURE
1/29/2022 7:20	1/29/2022 8:30	Subtransmission	Distribution	TRK 4338	1091	77532	EQUIPMENT FAILURE
1/29/2022 7:20	1/29/2022 8:30	Subtransmission	Distribution	TRK 4338	859	61169	EQUIPMENT FAILURE
1/29/2022 8:36	1/29/2022 16:07	Subtransmission	None	TRK 4338			EQUIPMENT FAILURE
1/29/2022 7:20	1/29/2022 8:30	Subtransmission	Distribution	TRK 4338	7	498	EQUIPMENT FAILURE
1/29/2022 7:20	1/29/2022 8:30	Subtransmission	Distribution	TRK 4338	530	37668	EQUIPMENT FAILURE
1/29/2022 7:30	1/29/2022 10:37	Subtransmission	Distribution	TRK 4338			EQUIPMENT FAILURE
1/29/2022 7:20	1/29/2022 10:36	Subtransmission	Distribution	TRK 4338			EQUIPMENT FAILURE
1/29/2022 7:20	1/29/2022 10:39	Subtransmission	Distribution	TRK 4338			EQUIPMENT FAILURE
1/29/2022 7:57	1/29/2022 10:42	Subtransmission	Distribution	TRK 4338	1	71	EQUIPMENT FAILURE
1/29/2022 7:20	1/29/2022 10:41	Subtransmission	Distribution	TRK 4338			EQUIPMENT FAILURE
1/29/2022 7:20	1/29/2022 10:40	Subtransmission	Distribution	TRK 4338			EQUIPMENT FAILURE
1/29/2022 7:20	1/29/2022 10:40	Subtransmission	Distribution	TRK 4338			EQUIPMENT FAILURE
1/29/2022 7:49	1/29/2022 8:30	Subtransmission	Distribution	TRK 4338	1	71	EQUIPMENT FAILURE
1/30/2022 3:30	1/30/2022 10:43	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE
1/30/2022 9:20	1/30/2022 18:54	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE
1/30/2022 3:41	1/30/2022 12:04	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE
1/31/2022 7:26	2/1/2022 16:32	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE
2/15/2022 10:23	2/15/2022 21:08	Subtransmission	Distribution	TIE 9111	1	12	EQUIPMENT FAILURE
2/20/2022 12:12	2/20/2022 19:54	Subtransmission	None	TRK 1525			EQUIPMENT FAILURE
3/2/2022 16:23	3/2/2022 18:20	Subtransmission	None	TRK 1719			EQUIPMENT FAILURE
3/2/2022 16:39	3/2/2022 17:18	Subtransmission	None	TRK 1719			EQUIPMENT FAILURE
3/13/2022 10:02	3/13/2022 17:47	Subtransmission	None	TRK 8407			EQUIPMENT FAILURE
3/19/2022 14:46	3/19/2022 21:00	Subtransmission	Distribution	TIE 1473	108	25441	EQUIPMENT FAILURE
3/20/2022 5:11	3/21/2022 8:31	Subtransmission	None	TRK 1527			EQUIPMENT FAILURE
3/30/2022 9:37	4/3/2022 14:56	Subtransmission	None	TRK 2255			EQUIPMENT FAILURE
3/31/2022 10:01	3/31/2022 14:28	Subtransmission	Distribution	TIE 3241	329	84293	EQUIPMENT FAILURE
3/31/2022 9:12	3/31/2022 14:27	Subtransmission	Distribution	TIE 3241	533	136597	EQUIPMENT FAILURE
3/31/2022 8:37	3/31/2022 14:28	Subtransmission	Distribution	TIE 3241	433	198021	EQUIPMENT FAILURE
3/31/2022 9:12	3/31/2022 15:43	Subtransmission	Distribution	TIE 3241	281	93076	EQUIPMENT FAILURE
3/31/2022 9:12	3/31/2022 15:42	Subtransmission	Distribution	TIE 3241	1973	654183	EQUIPMENT FAILURE
3/31/2022 10:02	3/31/2022 15:42	Subtransmission	Distribution	TIE 3241	493	163328	EQUIPMENT FAILURE
3/31/2022 13:09	4/1/2022 15:30	Subtransmission	None	TIE 3241			EQUIPMENT FAILURE
3/31/2022 9:32	4/1/2022 15:38	Subtransmission	None	TIE 3241			EQUIPMENT FAILURE
3/31/2022 5:56	3/31/2022 19:10	Subtransmission	Distribution	TRK 5411	575	367001	EQUIPMENT FAILURE
4/5/2022 17:16	4/5/2022 18:59	Subtransmission	Distribution	TRK 824	608	51814	EQUIPMENT FAILURE
4/11/2022 11:29	4/11/2022 19:20	Subtransmission	None	TRK 1232			EQUIPMENT FAILURE
4/12/2022 15:30	4/13/2022 0:12	Subtransmission	None	TRK 7151			EQUIPMENT FAILURE
4/14/2022 19:16	4/15/2022 16:20	Subtransmission	None	TRK 2443			EQUIPMENT FAILURE
4/23/2022 7:11	4/23/2022 16:52	Subtransmission	None	TRK 2002			EQUIPMENT FAILURE
4/24/2022 14:39	4/24/2022 15:52	Subtransmission	Distribution	TRK 2636	712	52397	EQUIPMENT FAILURE
4/24/2022 14:52	4/24/2022 21:10	Subtransmission	None	TRK 2636			EQUIPMENT FAILURE
4/28/2022 10:07	4/28/2022 21:14	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
5/7/2022 9:21	5/7/2022 10:58	Subtransmission	Distribution	TRK 2118	1141	110074	EQUIPMENT FAILURE
5/7/2022 9:22	5/7/2022 10:58	Subtransmission	Distribution	TRK 2118	623	59782	EQUIPMENT FAILURE
5/7/2022 9:21	5/7/2022 10:58	Subtransmission	Distribution	TRK 2118	514	49890	EQUIPMENT FAILURE
5/7/2022 9:22	5/7/2022 10:58	Subtransmission	Distribution	TRK 2118	596	55763	EQUIPMENT FAILURE
5/7/2022 9:22	5/7/2022 10:58	Subtransmission	Distribution	TRK 2118	711	67588	EQUIPMENT FAILURE
5/7/2022 9:22	5/7/2022 10:58	Subtransmission	Distribution	TRK 2118	1130	105837	EQUIPMENT FAILURE
5/7/2022 9:21	5/7/2022 10:58	Subtransmission	Distribution	TRK 2118	495	47539	EQUIPMENT FAILURE
5/11/2022 13:08	5/11/2022 19:44	Subtransmission	None	TRK 2659			EQUIPMENT FAILURE
5/11/2022 13:03	5/11/2022 19:44	Subtransmission	None	TRK 2659			EQUIPMENT FAILURE
5/11/2022 13:18	5/11/2022 19:44	Subtransmission	None	TRK 2659			EQUIPMENT FAILURE
5/11/2022 13:10	5/11/2022 19:44	Subtransmission	None	TRK 2659			EQUIPMENT FAILURE
5/11/2022 13:15	5/11/2022 19:49	Subtransmission	None	TRK 2659			EQUIPMENT FAILURE
5/15/2022 16:40	5/15/2022 19:42	Subtransmission	Substation	TRK 3508	850	140465	EQUIPMENT FAILURE
5/15/2022 16:40	5/15/2022 19:43	Subtransmission	Distribution	TRK 3508	763	126149	EQUIPMENT FAILURE
5/15/2022 16:40	5/15/2022 19:42	Subtransmission	Subtransmission	TRK 3508	1548	255405	EQUIPMENT FAILURE
5/15/2022 17:07	5/15/2022 23:40	Subtransmission	None	TRK 3508			EQUIPMENT FAILURE
5/17/2022 19:33	5/17/2022 20:35	Subtransmission	Distribution	TIE 6931	2747	169140	EQUIPMENT FAILURE
5/17/2022 19:34	5/17/2022 20:35	Subtransmission	Distribution	TIE 6931	1327	81612	EQUIPMENT FAILURE
5/17/2022 11:07	5/17/2022 20:35	Subtransmission	Distribution	TIE 6931	2205	135375	EQUIPMENT FAILURE
5/18/2022 21:07	5/18/2022 23:16	Subtransmission	Distribution	TIE 1423	806	105203	EQUIPMENT FAILURE
5/18/2022 21:07	5/19/2022 1:00	Subtransmission	Distribution	TIE 1423	2141	279522	EQUIPMENT FAILURE
5/18/2022 21:18	5/19/2022 5:49	Subtransmission	None	TIE 1423			EQUIPMENT FAILURE
5/20/2022 19:38	5/21/2022 14:35	Subtransmission	None	TRK 2918			EQUIPMENT FAILURE
5/20/2022 17:21	5/21/2022 2:00	Subtransmission	Distribution	TRK 2918	321	11745	EQUIPMENT FAILURE
5/21/2022 8:55	5/21/2022 20:23	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
5/21/2022 10:30	5/22/2022 16:20	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
5/21/2022 16:43	5/21/2022 19:08	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
5/27/2022 16:24	5/28/2022 6:30	Subtransmission	Distribution	TIE 3220	2043	255091	EQUIPMENT FAILURE
6/7/2022 14:43	6/7/2022 16:35	Subtransmission	Subtransmission	TRK 662	640	71517	EQUIPMENT FAILURE
6/7/2022 14:43	6/7/2022 16:35	Subtransmission	Subtransmission	TRK 662	386	43128	EQUIPMENT FAILURE
6/7/2022 14:42	6/7/2022 16:35	Subtransmission	Subtransmission	TRK 662	1049	117325	EQUIPMENT FAILURE
6/7/2022 14:43	6/7/2022 16:35	Subtransmission	Subtransmission	TRK 662	208	23219	EQUIPMENT FAILURE
6/7/2022 14:43	6/7/2022 16:35	Subtransmission	Subtransmission	TRK 662	176	19666	EQUIPMENT FAILURE
6/7/2022 14:43	6/7/2022 17:20	Subtransmission	Subtransmission	TRK 662	396	61974	EQUIPMENT FAILURE
6/7/2022 14:43	6/7/2022 16:35	Subtransmission	Subtransmission	TRK 662	460	51411	EQUIPMENT FAILURE
6/10/2022 15:18	6/10/2022 22:08	Subtransmission	Subtransmission	TRK 2418	638	248282	EQUIPMENT FAILURE
6/10/2022 15:18	6/10/2022 21:56	Subtransmission	Subtransmission	TRK 2418	821	252791	EQUIPMENT FAILURE
6/10/2022 15:18	6/10/2022 22:14	Subtransmission	Distribution	TRK 2418	804	313299	EQUIPMENT FAILURE
6/10/2022 15:18	6/10/2022 20:25	Subtransmission	Substation	TRK 2418	546	106890	EQUIPMENT FAILURE
6/10/2022 15:18	6/10/2022 21:30	Subtransmission	Subtransmission	TRK 2418	936	328219	EQUIPMENT FAILURE
6/10/2022 15:18	6/10/2022 20:25	Subtransmission	Subtransmission	TRK 2418	956	294577	EQUIPMENT FAILURE
6/16/2022 12:06	6/17/2022 2:05	Subtransmission	None	TRK 722			EQUIPMENT FAILURE
6/16/2022 9:04	6/16/2022 20:41	Subtransmission	None	TIE 3318			EQUIPMENT FAILURE
6/16/2022 15:58	6/19/2022 15:12	Subtransmission	None	TRK 2418			EQUIPMENT FAILURE
6/20/2022 10:04	6/20/2022 13:45	Subtransmission	Distribution	TRK 5838	294	68455	EQUIPMENT FAILURE
6/20/2022 10:13	6/20/2022 15:41	Subtransmission	None	TRK 5838			EQUIPMENT FAILURE
6/22/2022 14:53	6/23/2022 10:57	Subtransmission	None	TRK 2038			EQUIPMENT FAILURE
6/24/2022 22:24	6/25/2022 4:20	Subtransmission	Distribution	TRK 2806			EQUIPMENT FAILURE

6/24/2022 18:51	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806	6	1605	EQUIPMENT FAILURE
6/24/2022 18:57	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806	4	1070	EQUIPMENT FAILURE
6/24/2022 18:54	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806	5	1338	EQUIPMENT FAILURE
6/24/2022 18:50	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806	27	7224	EQUIPMENT FAILURE
6/24/2022 18:51	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806	37	9899	EQUIPMENT FAILURE
6/24/2022 18:51	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806	3	803	EQUIPMENT FAILURE
6/24/2022 18:53	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806	53	14181	EQUIPMENT FAILURE
6/24/2022 18:51	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806	34	9097	EQUIPMENT FAILURE
6/24/2022 18:55	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806	3	803	EQUIPMENT FAILURE
6/24/2022 18:55	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806	3	803	EQUIPMENT FAILURE
6/24/2022 18:56	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806	5	1338	EQUIPMENT FAILURE
6/24/2022 18:59	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806	4	1070	EQUIPMENT FAILURE
6/24/2022 18:57	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806			EQUIPMENT FAILURE
6/24/2022 18:51	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806	5	1338	EQUIPMENT FAILURE
6/24/2022 19:00	6/24/2022 22:30	Subtransmission	Distribution	TRK 2806	3	803	EQUIPMENT FAILURE
6/24/2022 22:42	6/25/2022 0:45	Subtransmission	Distribution	TRK 2806	664	36285	EQUIPMENT FAILURE
6/24/2022 18:50	6/25/2022 12:08	Subtransmission	Distribution	TRK 2806			EQUIPMENT FAILURE
6/24/2022 8:46	6/24/2022 20:41	Subtransmission	Distribution	TRK 2806	3222	359066	EQUIPMENT FAILURE
6/29/2022 14:41	6/29/2022 16:00	Subtransmission	Distribution	TIE 1423			EQUIPMENT FAILURE
6/29/2022 14:39	6/29/2022 16:00	Subtransmission	Distribution	TIE 1423			EQUIPMENT FAILURE
6/29/2022 15:14	6/29/2022 16:00	Subtransmission	Distribution	TIE 1423			EQUIPMENT FAILURE
6/29/2022 15:28	6/29/2022 16:00	Subtransmission	Distribution	TIE 1423			EQUIPMENT FAILURE
6/29/2022 15:05	6/29/2022 15:20	Subtransmission	Subtransmission	TIE 1423			EQUIPMENT FAILURE
6/29/2022 14:47	6/29/2022 16:00	Subtransmission	Distribution	TIE 1423			EQUIPMENT FAILURE
6/29/2022 14:34	6/29/2022 16:00	Subtransmission	Distribution	TIE 1423			EQUIPMENT FAILURE
6/29/2022 14:18	6/29/2022 16:00	Subtransmission	Distribution	TIE 1423			EQUIPMENT FAILURE
6/29/2022 15:05	6/29/2022 16:00	Subtransmission	Distribution	TIE 1423			EQUIPMENT FAILURE
6/29/2022 14:04	6/29/2022 14:52	Subtransmission	Subtransmission	TIE 1423	2133	103491	EQUIPMENT FAILURE
6/29/2022 14:04	6/29/2022 14:52	Subtransmission	Subtransmission	TIE 1423	810	39505	EQUIPMENT FAILURE
6/29/2022 16:19	6/29/2022 20:18	Subtransmission	None	TIE 1423			EQUIPMENT FAILURE
7/2/2022 5:49	7/3/2022 18:17	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
7/2/2022 7:48	7/2/2022 18:12	Subtransmission	None	TRK 5906			EQUIPMENT FAILURE
7/6/2022 14:41	7/7/2022 2:50	Subtransmission	Distribution	TIE 2025	1761	137497	EQUIPMENT FAILURE
7/6/2022 14:16	7/6/2022 21:00	Subtransmission	Distribution	TIE 2025			EQUIPMENT FAILURE
7/6/2022 15:03	7/7/2022 10:36	Subtransmission	None	TIE 2025			EQUIPMENT FAILURE
7/6/2022 14:49	7/7/2022 9:07	Subtransmission	None	TIE 2025			EQUIPMENT FAILURE
7/6/2022 9:24	7/6/2022 12:46	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
7/12/2022 22:43	7/13/2022 14:52	Subtransmission	None	TRK 6854			EQUIPMENT FAILURE
7/16/2022 9:17	7/16/2022 14:15	Subtransmission	None	TRK 7122			EQUIPMENT FAILURE
7/19/2022 14:27	7/19/2022 23:47	Subtransmission	Distribution	TRK 1642	503	267411	EQUIPMENT FAILURE
7/19/2022 14:27	7/19/2022 17:00	Subtransmission	Distribution	TRK 1642	293	22323	EQUIPMENT FAILURE
7/19/2022 14:27	7/19/2022 19:34	Subtransmission	Distribution	TRK 1642	474	138176	EQUIPMENT FAILURE
7/19/2022 14:27	7/19/2022 21:23	Subtransmission	Distribution	TRK 1642	317	131870	EQUIPMENT FAILURE
7/19/2022 14:27	7/19/2022 17:14	Subtransmission	Distribution	TRK 1642	816	110500	EQUIPMENT FAILURE
7/19/2022 18:29	7/19/2022 20:04	Subtransmission	Distribution	TRK 1656	655	56941	EQUIPMENT FAILURE
7/19/2022 18:29	7/19/2022 20:04	Subtransmission	Distribution	TRK 1656	434	44863	EQUIPMENT FAILURE
7/19/2022 18:29	7/19/2022 20:04	Subtransmission	Distribution	TRK 1656	644	57835	EQUIPMENT FAILURE
7/19/2022 18:29	7/19/2022 20:04	Subtransmission	Distribution	TRK 1656	612	58229	EQUIPMENT FAILURE
7/19/2022 14:36	7/20/2022 4:00	Subtransmission	Distribution	TRK 1656	565	90314	EQUIPMENT FAILURE
7/19/2022 18:29	7/19/2022 21:11	Subtransmission	Distribution	TRK 1656	877	133866	EQUIPMENT FAILURE
7/19/2022 18:29	7/20/2022 4:00	Subtransmission	Distribution	TRK 1656	451	163894	EQUIPMENT FAILURE
7/19/2022 18:29	7/20/2022 4:00	Subtransmission	Distribution	TRK 1656	500	181115	EQUIPMENT FAILURE
7/19/2022 18:28	7/20/2022 1:50	Subtransmission	Distribution	TRK 1656	226	100113	EQUIPMENT FAILURE
7/23/2022 17:08	7/24/2022 7:09	Subtransmission	Distribution	TIE 8014	718	109351	EQUIPMENT FAILURE
7/24/2022 4:38	7/24/2022 12:32	Subtransmission	Distribution	TIE 8014	406	187774	EQUIPMENT FAILURE
7/24/2022 4:38	7/24/2022 13:10	Subtransmission	Distribution	TIE 8014			EQUIPMENT FAILURE
7/24/2022 4:40	7/24/2022 12:30	Subtransmission	Distribution	TIE 8014			EQUIPMENT FAILURE
7/24/2022 4:35	7/24/2022 9:40	Subtransmission	Distribution	TIE 8014	290	85939	EQUIPMENT FAILURE
7/24/2022 4:35	7/24/2022 15:05	Subtransmission	Distribution	TIE 8014			EQUIPMENT FAILURE
7/24/2022 4:36	7/24/2022 14:00	Subtransmission	Distribution	TIE 8014			EQUIPMENT FAILURE
7/24/2022 4:36	7/24/2022 14:20	Subtransmission	Distribution	TIE 8014			EQUIPMENT FAILURE
7/24/2022 4:46	7/24/2022 11:58	Subtransmission	Distribution	TIE 8014			EQUIPMENT FAILURE
7/24/2022 4:35	7/24/2022 9:41	Subtransmission	Distribution	TIE 8014	124	36872	EQUIPMENT FAILURE
7/24/2022 4:35	7/25/2022 10:00	Subtransmission	Distribution	TIE 8014	1	1740	EQUIPMENT FAILURE
7/24/2022 4:49	7/24/2022 14:27	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
7/24/2022 1:23	7/24/2022 9:41	Subtransmission	Distribution	TIE 8014	230	68502	EQUIPMENT FAILURE
7/27/2022 15:28	7/27/2022 19:16	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
7/27/2022 16:25	7/27/2022 20:36	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
8/2/2022 21:26	8/3/2022 5:20	Subtransmission	Subtransmission	TRK 2247	832	230793	EQUIPMENT FAILURE
8/2/2022 21:26	8/3/2022 5:20	Subtransmission	Subtransmission	TRK 2247	866	242875	EQUIPMENT FAILURE
8/2/2022 21:26	8/3/2022 5:20	Subtransmission	Subtransmission	TRK 2247	545	153341	EQUIPMENT FAILURE
8/2/2022 21:26	8/3/2022 5:21	Subtransmission	Subtransmission	TRK 2247	572	159355	EQUIPMENT FAILURE
8/2/2022 21:26	8/3/2022 5:20	Subtransmission	Subtransmission	TRK 2247	813	226479	EQUIPMENT FAILURE
8/2/2022 21:26	8/3/2022 5:20	Subtransmission	Subtransmission	TRK 2247	1263	354319	EQUIPMENT FAILURE
8/2/2022 21:26	8/3/2022 5:20	Subtransmission	Subtransmission	TRK 2247	642	180637	EQUIPMENT FAILURE
8/2/2022 21:26	8/3/2022 5:20	Subtransmission	Subtransmission	TRK 2247	384	108061	EQUIPMENT FAILURE
8/2/2022 21:26	8/3/2022 5:20	Subtransmission	Subtransmission	TRK 2247	608	169433	EQUIPMENT FAILURE
8/2/2022 9:49	8/2/2022 22:51	Subtransmission	Substation	TRK 2247	298	22574	EQUIPMENT FAILURE
8/2/2022 16:06	8/3/2022 5:20	Subtransmission	Subtransmission	TRK 2247	401	111335	EQUIPMENT FAILURE
8/3/2022 20:57	8/4/2022 10:17	Subtransmission	Distribution	TIE 3705			EQUIPMENT FAILURE
8/3/2022 18:51	8/4/2022 2:00	Subtransmission	Distribution	TIE 3705	1550	370615	EQUIPMENT FAILURE
8/3/2022 20:00	8/4/2022 3:08	Subtransmission	Distribution	TIE 3705	284	127770	EQUIPMENT FAILURE
8/3/2022 18:51	8/4/2022 2:34	Subtransmission	Distribution	TIE 3705	1055	252398	EQUIPMENT FAILURE
8/3/2022 20:35	8/4/2022 2:25	Subtransmission	None	TRK 1229			EQUIPMENT FAILURE
8/4/2022 8:41	8/4/2022 19:49	Subtransmission	None	TIE 3800			EQUIPMENT FAILURE
8/4/2022 8:29	8/4/2022 20:31	Subtransmission	None	TRK 1229			EQUIPMENT FAILURE
8/9/2022 0:33	8/9/2022 5:39	Subtransmission	None	TRK 7324			EQUIPMENT FAILURE
8/20/2022 14:08	8/20/2022 20:57	Subtransmission	None	TRK 2002			EQUIPMENT FAILURE
8/20/2022 14:02	8/21/2022 2:09	Subtransmission	None	TRK 2002			EQUIPMENT FAILURE
8/20/2022 18:33	8/21/2022 14:20	Subtransmission	Distribution	TRK 7324	1313	538616	EQUIPMENT FAILURE
8/21/2022 4:19	8/21/2022 14:27	Subtransmission	Distribution	TRK 7324	872	269063	EQUIPMENT FAILURE
8/21/2022 4:19	8/21/2022 14:29	Subtransmission	Distribution	TRK 7324	1137	575153	EQUIPMENT FAILURE
8/21/2022 4:19	8/21/2022 14:30	Subtransmission	Distribution	TRK 7324	146	38501	EQUIPMENT FAILURE
8/21/2022 4:19	8/21/2022 14:10	Subtransmission	Distribution	TRK 7324	996	504253	EQUIPMENT FAILURE
8/21/2022 4:19	8/21/2022 14:27	Subtransmission	Distribution	TRK 7324	659	127792	EQUIPMENT FAILURE
8/21/2022 4:18	8/21/2022 14:28	Subtransmission	Distribution	TRK 7324	830	254626	EQUIPMENT FAILURE
8/21/2022 4:28	8/21/2022 12:06	Subtransmission	None	TRK 7324			EQUIPMENT FAILURE
8/23/2022 17:18	8/23/2022 21:05	Subtransmission	None	TRK 2002			EQUIPMENT FAILURE
8/27/2022 19:48	8/28/2022 14:09	Subtransmission	None	TRK 2439			EQUIPMENT FAILURE
8/29/2022 7:45	8/29/2022 11:36	Subtransmission	None	TRK 2439			EQUIPMENT FAILURE
8/29/2022 17:42	8/31/2022 11:43	Subtransmission	Distribution	TRK 2826	503	1464085	EQUIPMENT FAILURE
8/29/2022 17:42	8/31/2022 11:41	Subtransmission	Distribution	TRK 2826	646	1592352	EQUIPMENT FAILURE
8/29/2022 17:42	8/31/2022 12:30	Subtransmission	Distribution	TRK 2826	302	740757	EQUIPMENT FAILURE
8/30/2022 10:25	8/31/2022 11:14	Subtransmission	None	TRK 6304			EQUIPMENT FAILURE
8/30/2022 12:43	8/31/2022 18:55	Subtransmission	None	TRK 2826			EQUIPMENT FAILURE

8/31/2022 8:01	8/31/2022 21:08	Subtransmission	None	TIE 6907			EQUIPMENT FAILURE
8/31/2022 7:48	8/31/2022 12:39	Subtransmission	None	TIE 6907			EQUIPMENT FAILURE
9/12/2022 10:03	9/13/2022 12:57	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
9/12/2022 1:29	9/12/2022 4:17	Subtransmission	None	TRK 2826			EQUIPMENT FAILURE
9/19/2022 21:05	9/19/2022 23:58	Subtransmission	None	TRK 3543			EQUIPMENT FAILURE
9/25/2022 20:51	9/26/2022 5:30	Subtransmission	None	TRK 2255			EQUIPMENT FAILURE
9/25/2022 11:19	9/25/2022 14:48	Subtransmission	None	TRK 2255			EQUIPMENT FAILURE
9/29/2022 17:05	9/29/2022 20:53	Subtransmission	None	TRK 2237			EQUIPMENT FAILURE
10/6/2022 20:39	10/7/2022 1:46	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
10/6/2022 20:46	10/7/2022 17:19	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
10/6/2022 20:44	10/6/2022 21:05	Subtransmission	Distribution	TIE 3220	1	51	EQUIPMENT FAILURE
10/6/2022 20:39	10/6/2022 21:05	Subtransmission	Distribution	TIE 3220	1	51	EQUIPMENT FAILURE
10/7/2022 0:16	10/7/2022 0:40	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
10/13/2022 10:04	10/13/2022 15:25	Subtransmission	None	TRK 2038			EQUIPMENT FAILURE
10/15/2022 16:54	10/16/2022 2:13	Subtransmission	None	TRK 7913			EQUIPMENT FAILURE
10/16/2022 22:23	10/17/2022 16:16	Subtransmission	None	TIE 3800			EQUIPMENT FAILURE
10/16/2022 4:39	10/16/2022 13:38	Subtransmission	None	TRK 4351			EQUIPMENT FAILURE
10/17/2022 18:22	10/18/2022 5:37	Subtransmission	None	TRK 605			EQUIPMENT FAILURE
10/17/2022 17:39	10/18/2022 4:43	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
10/25/2022 22:27	10/26/2022 5:28	Subtransmission	Distribution	TIE 226	1265	424094	EQUIPMENT FAILURE
10/25/2022 22:27	10/26/2022 5:12	Subtransmission	Distribution	TIE 226	1446	495995	EQUIPMENT FAILURE
10/25/2022 22:33	10/26/2022 4:16	Subtransmission	Distribution	TIE 226	1285	349868	EQUIPMENT FAILURE
10/25/2022 22:29	10/26/2022 4:18	Subtransmission	Distribution	TIE 226	107	37367	EQUIPMENT FAILURE
10/25/2022 23:18	10/26/2022 4:57	Subtransmission	None	TIE 226			EQUIPMENT FAILURE
10/25/2022 22:40	10/26/2022 4:53	Subtransmission	None	TIE 226			EQUIPMENT FAILURE
11/13/2022 11:31	11/13/2022 18:24	Subtransmission	Distribution	TRK 2313	655	264670	EQUIPMENT FAILURE
11/27/2022 14:34	11/27/2022 15:15	Subtransmission	None	TIE 5823			EQUIPMENT FAILURE
11/27/2022 14:32	11/27/2022 16:42	Subtransmission	Distribution	TIE 5823	590	77527	EQUIPMENT FAILURE
11/27/2022 14:37	11/27/2022 20:20	Subtransmission	Distribution	TIE 5823	402	58952	EQUIPMENT FAILURE
11/27/2022 14:33	11/27/2022 15:22	Subtransmission	Distribution	TIE 5823	1	10	EQUIPMENT FAILURE
11/27/2022 14:32	11/27/2022 16:45	Subtransmission	Distribution	TIE 5823	271	36455	EQUIPMENT FAILURE
12/22/2022 21:51	12/24/2022 13:15	Subtransmission	Distribution	TIE 3800	1290	1456476	EQUIPMENT FAILURE
12/22/2022 14:15	12/22/2022 21:07	Subtransmission	None	TRK 2918			EQUIPMENT FAILURE
12/23/2022 12:43	12/23/2022 19:06	Subtransmission	Distribution	TIE 4605	613	28363	EQUIPMENT FAILURE
12/23/2022 13:50	12/23/2022 19:06	Subtransmission	Distribution	TIE 4605	916	27158	EQUIPMENT FAILURE
12/23/2022 17:08	12/24/2022 9:07	Subtransmission	Distribution	TIE 4605	3	3385	EQUIPMENT FAILURE
1/25/2023 16:59	1/25/2023 22:43	Subtransmission	None	TRK 1502			EQUIPMENT FAILURE
1/25/2023 11:37	1/25/2023 18:28	Subtransmission	None	TRK 2313			EQUIPMENT FAILURE
1/28/2023 14:01	1/28/2023 21:02	Subtransmission	None	TIE 810			EQUIPMENT FAILURE
2/17/2023 11:29	2/17/2023 13:58	Subtransmission	Device (II)	TRK 2005	1	719	EQUIPMENT FAILURE
2/17/2023 13:23	2/17/2023 19:58	Subtransmission		TRK 2005			EQUIPMENT FAILURE
2/17/2023 11:29	2/17/2023 20:40	Subtransmission		TRK 2005			EQUIPMENT FAILURE
2/17/2023 11:20	2/17/2023 13:59	Subtransmission	Device (II)	TRK 2005	13	6349	EQUIPMENT FAILURE
2/17/2023 12:08	2/18/2023 17:36	Subtransmission		TRK 2005			EQUIPMENT FAILURE
2/17/2023 21:01	2/18/2023 16:03	Subtransmission		TRK 2005			EQUIPMENT FAILURE
2/19/2023 18:15	2/20/2023 4:47	Subtransmission		TRK 2005			EQUIPMENT FAILURE
2/19/2023 18:27	2/20/2023 5:08	Subtransmission		TRK 2005			EQUIPMENT FAILURE
2/20/2023 1:15	2/20/2023 2:46	Subtransmission	Device (II)	TRK 2005	298	21333	EQUIPMENT FAILURE
2/22/2023 22:00	2/25/2023 7:39	Subtransmission		TIE 1568			EQUIPMENT FAILURE
2/22/2023 22:07	2/25/2023 7:40	Subtransmission		TIE 2819			EQUIPMENT FAILURE
2/22/2023 21:09	2/25/2023 7:38	Subtransmission		TIE 6621			EQUIPMENT FAILURE
2/22/2023 16:39	2/26/2023 23:04	Subtransmission	Subtransmission	TIE 6621	1599	7531171	EQUIPMENT FAILURE
2/22/2023 18:21	2/25/2023 17:59	Subtransmission	Substation	TRK 2035	1170	1572023	EQUIPMENT FAILURE
2/24/2023 9:51	2/26/2023 9:34	Subtransmission		TIE 5513			EQUIPMENT FAILURE
2/25/2023 11:54	2/25/2023 20:33	Subtransmission		TIE 6517			EQUIPMENT FAILURE
3/1/2023 3:08	3/1/2023 4:16	Subtransmission	Substation	TIE 6138	2	329	EQUIPMENT FAILURE
3/1/2023 3:27	3/3/2023 6:17	Subtransmission		TIE 6138			EQUIPMENT FAILURE
3/3/2023 17:49	3/6/2023 10:11	Subtransmission		TRK 2107			EQUIPMENT FAILURE
3/3/2023 17:49	3/4/2023 21:36	Subtransmission	Circuit Level	TRK 2107			EQUIPMENT FAILURE
3/3/2023 22:07	3/5/2023 17:00	Subtransmission		TRK 6842			EQUIPMENT FAILURE
3/4/2023 7:28	3/8/2023 17:27	Subtransmission		TRK 6842			EQUIPMENT FAILURE
3/17/2023 14:03	3/22/2023 23:14	Subtransmission		TRK 2002			EQUIPMENT FAILURE
3/20/2023 15:19	3/21/2023 6:11	Subtransmission		TRK 5938			EQUIPMENT FAILURE
3/31/2023 22:55	3/31/2023 23:11	Subtransmission	Device (II)	TRK 3557			EQUIPMENT FAILURE
3/31/2023 22:42	4/1/2023 14:49	Subtransmission		TRK 3557			EQUIPMENT FAILURE
3/31/2023 22:31	4/5/2023 13:07	Subtransmission		TRK 3557			EQUIPMENT FAILURE
3/31/2023 22:28	3/31/2023 23:18	Subtransmission	Circuit Level	TRK 3557			EQUIPMENT FAILURE
3/31/2023 22:55	3/31/2023 23:10	Subtransmission	Circuit Level	TRK 3557			EQUIPMENT FAILURE
4/1/2023 14:40	4/4/2023 13:31	Subtransmission		TRK 3557			EQUIPMENT FAILURE
4/12/2023 10:02	4/14/2023 17:42	Subtransmission		TRK 4227			EQUIPMENT FAILURE
4/23/2023 16:58	4/30/2023 21:22	Subtransmission		TRK 2308			EQUIPMENT FAILURE
4/30/2023 18:14	5/1/2023 22:59	Subtransmission		TRK 5145			EQUIPMENT FAILURE
5/7/2023 8:40	5/7/2023 16:26	Subtransmission		TRK 1218			EQUIPMENT FAILURE
5/26/2023 6:41	5/26/2023 9:15	Subtransmission	Circuit Level	TRK 564	223	18654	EQUIPMENT FAILURE
5/26/2023 6:41	5/26/2023 9:07	Subtransmission	Circuit Level	TRK 564	356	29718	EQUIPMENT FAILURE
5/26/2023 6:41	5/26/2023 9:15	Subtransmission	Circuit Level	TRK 564	340	28450	EQUIPMENT FAILURE
5/26/2023 6:30	5/26/2023 9:07	Subtransmission	Circuit Level	TRK 564	97	8117	EQUIPMENT FAILURE
5/30/2023 17:54	5/31/2023 13:05	Subtransmission		TIE 7621			EQUIPMENT FAILURE
5/31/2023 17:38	6/1/2023 5:26	Subtransmission		TRK 2629			EQUIPMENT FAILURE
6/1/2023 18:44	6/2/2023 3:09	Subtransmission		TRK 824	1	373	EQUIPMENT FAILURE
6/1/2023 18:38	6/2/2023 2:11	Subtransmission	Subtransmission	TRK 824	1727	646197	EQUIPMENT FAILURE
6/2/2023 2:59	6/2/2023 11:04	Subtransmission	Single Customer	TRK 824			EQUIPMENT FAILURE
6/13/2023 9:27	6/14/2023 20:37	Subtransmission	Service Secondary	TIE 7733			EQUIPMENT FAILURE
6/14/2023 10:08	6/14/2023 12:55	Subtransmission	Circuit Level	TRK 4911	475	17566	EQUIPMENT FAILURE
6/15/2023 18:40	6/17/2023 8:45	Subtransmission		TRK 2002			EQUIPMENT FAILURE
6/15/2023 16:36	6/18/2023 8:53	Subtransmission		TRK 3632			EQUIPMENT FAILURE
6/16/2023 0:43	1/11/2024 22:33	Subtransmission		TRK 2002			EQUIPMENT FAILURE
6/23/2023 8:08	6/23/2023 14:59	Subtransmission	Circuit Level	TRK 2032	1838	522622	EQUIPMENT FAILURE
6/23/2023 8:09	6/23/2023 15:30	Subtransmission	Circuit Level	TRK 2032	1944	678713	EQUIPMENT FAILURE
6/23/2023 7:53	6/23/2023 8:13	Subtransmission		TRK 2032			EQUIPMENT FAILURE
6/23/2023 8:26	6/23/2023 11:25	Subtransmission	Single Customer	TRK 2032			EQUIPMENT FAILURE
6/25/2023 15:22	6/25/2023 16:21	Subtransmission		TRK 5127			EQUIPMENT FAILURE
6/25/2023 16:30	6/25/2023 21:53	Subtransmission		TRK 5127			EQUIPMENT FAILURE
6/25/2023 16:23	6/25/2023 21:35	Subtransmission	Subtransmission	TRK 5127	1669	292441	EQUIPMENT FAILURE
6/25/2023 16:23	6/26/2023 14:26	Subtransmission	Subtransmission	TRK 5127	3220	715814	EQUIPMENT FAILURE
6/26/2023 10:03	6/26/2023 11:29	Subtransmission		TIE 7702			EQUIPMENT FAILURE
6/26/2023 0:47	6/27/2023 13:58	Subtransmission		TIE 7702			EQUIPMENT FAILURE
6/26/2023 7:08	6/27/2023 10:35	Subtransmission		TIE 7702			EQUIPMENT FAILURE
6/26/2023 7:29	6/27/2023 10:48	Subtransmission	Single Customer	TIE 7702	1	1951	EQUIPMENT FAILURE
6/28/2023 22:40	6/29/2023 11:51	Subtransmission	Subtransmission	TRK 5127	2192	568704	EQUIPMENT FAILURE
6/28/2023 22:40	6/29/2023 11:50	Subtransmission	Subtransmission	TRK 5127	1674	434756	EQUIPMENT FAILURE
6/29/2023 3:19	6/29/2023 9:03	Subtransmission	Circuit Level	TRK 5127	682	387281	EQUIPMENT FAILURE
6/29/2023 3:20	6/29/2023 9:01	Subtransmission	Circuit Level	TRK 5127	381	217371	EQUIPMENT FAILURE
6/29/2023 3:16	6/29/2023 8:29	Subtransmission	Single Customer	TRK 5127			EQUIPMENT FAILURE
6/29/2023 4:37	6/29/2023 8:24	Subtransmission	Single Customer	TRK 5127			EQUIPMENT FAILURE

7/2/2023 1:51	7/5/2023 18:16	Subtransmission		TIE 2819			EQUIPMENT FAILURE
7/2/2023 1:43	7/2/2023 9:26	Subtransmission	Service Transformer	TIE 2819	7	581	EQUIPMENT FAILURE
7/2/2023 1:40	7/2/2023 16:12	Subtransmission	Substation	TIE 2819	4829	400312	EQUIPMENT FAILURE
7/9/2023 15:46	7/10/2023 2:15	Subtransmission		TIE 817			EQUIPMENT FAILURE
7/9/2023 21:30	7/9/2023 22:18	Subtransmission	Single Customer	TIE 817	1	316	EQUIPMENT FAILURE
7/9/2023 15:43	7/10/2023 3:20	Subtransmission	Subtransmission	TIE 817	6318	2204582	EQUIPMENT FAILURE
7/9/2023 16:02	7/10/2023 0:27	Subtransmission		TIE 817			EQUIPMENT FAILURE
7/11/2023 20:34	7/12/2023 11:41	Subtransmission	Subtransmission	TRK 1418	247	68086	EQUIPMENT FAILURE
7/19/2023 13:19	7/19/2023 14:51	Subtransmission	Circuit Level	TIE 9303			EQUIPMENT FAILURE
7/19/2023 13:56	7/19/2023 20:55	Subtransmission		TIE 9303			EQUIPMENT FAILURE
7/19/2023 13:20	7/20/2023 1:02	Subtransmission	Single Customer	TIE 9303			EQUIPMENT FAILURE
7/20/2023 16:18	7/22/2023 14:08	Subtransmission		TIE 6117			EQUIPMENT FAILURE
7/20/2023 19:11	7/21/2023 12:46	Subtransmission		TRK 359			EQUIPMENT FAILURE
7/26/2023 16:26	7/27/2023 5:30	Subtransmission		TRK 4911			EQUIPMENT FAILURE
7/26/2023 16:18	7/28/2023 17:09	Subtransmission		TRK 4911			EQUIPMENT FAILURE
7/27/2023 13:24	7/27/2023 21:04	Subtransmission	Subtransmission	TRK 4911	601	78962	EQUIPMENT FAILURE
7/27/2023 7:39	7/28/2023 17:40	Subtransmission	Circuit Level	TRK 2922	88	5561	EQUIPMENT FAILURE
8/6/2023 21:11	8/7/2023 10:10	Subtransmission		TRK 2543			EQUIPMENT FAILURE
8/6/2023 16:32	8/6/2023 18:51	Subtransmission		TRK 2543			EQUIPMENT FAILURE
8/7/2023 22:11	8/9/2023 8:49	Subtransmission		TRK 776			EQUIPMENT FAILURE
8/8/2023 7:35	8/8/2023 16:09	Subtransmission	Subtransmission	TRK 2826	500	44038	EQUIPMENT FAILURE
8/8/2023 7:49	8/8/2023 13:17	Subtransmission	Single Customer	TRK 2826	1	88	EQUIPMENT FAILURE
8/8/2023 10:53	8/8/2023 23:40	Subtransmission	Circuit Level	TRK 2826	1558	48285	EQUIPMENT FAILURE
8/8/2023 7:44	8/8/2023 17:40	Subtransmission	Single Customer	TRK 2826	1	88	EQUIPMENT FAILURE
8/8/2023 9:07	8/8/2023 18:39	Subtransmission	Single Customer	TRK 2826			EQUIPMENT FAILURE
8/8/2023 8:41	8/8/2023 16:50	Subtransmission	Subtransmission	TRK 2826	1219	107367	EQUIPMENT FAILURE
8/8/2023 8:24	8/10/2023 11:42	Subtransmission		TRK 2826			EQUIPMENT FAILURE
8/8/2023 9:17	8/8/2023 13:53	Subtransmission		TRK 2826			EQUIPMENT FAILURE
8/21/2023 5:16	8/21/2023 9:29	Subtransmission	Circuit Level	TIE 1467	10	3233	EQUIPMENT FAILURE
8/24/2023 11:49	8/28/2023 23:22	Subtransmission		TRK 1340			EQUIPMENT FAILURE
8/24/2023 22:14	8/26/2023 9:14	Subtransmission		TIE 6138			EQUIPMENT FAILURE
8/25/2023 15:00	8/26/2023 20:33	Subtransmission	Circuit Level	TIE 6147	2778	3410845	EQUIPMENT FAILURE
8/25/2023 11:13	8/25/2023 13:52	Subtransmission		TIE 6147			EQUIPMENT FAILURE
8/25/2023 1:59	8/26/2023 16:02	Subtransmission		TRK 2439			EQUIPMENT FAILURE
9/5/2023 2:48	9/16/2023 15:09	Subtransmission		TRK 4338			EQUIPMENT FAILURE
9/28/2023 15:57	9/28/2023 19:20	Subtransmission		TRK 5938			EQUIPMENT FAILURE
10/27/2023 19:28	10/28/2023 0:34	Subtransmission	Device (II)	TRK 1251	28	5212	EQUIPMENT FAILURE
11/17/2023 22:28	11/18/2023 19:49	Subtransmission	Device (II)	TRK 2010	31	49117	EQUIPMENT FAILURE
12/18/2023 15:41	12/19/2023 6:14	Subtransmission		TRK 5145			EQUIPMENT FAILURE
12/24/2023 21:57	12/29/2023 10:50	Subtransmission		TRK 3124			EQUIPMENT FAILURE
6/2/2020 7:27	6/2/2020 10:58	Subtransmission	None	TRK 7106			EQUIPMENT LOADING
6/2/2020 17:40	6/2/2020 18:42	Subtransmission	Distribution	TRK 7106	1285	68185	EQUIPMENT LOADING
6/11/2022 6:29	6/11/2022 16:16	Subtransmission	None	TRK 2418			EQUIPMENT LOADING
6/13/2022 1:27	6/13/2022 6:31	Subtransmission	None	TRK 2471			EQUIPMENT LOADING
9/4/2023 19:13	9/5/2023 3:08	Subtransmission	Circuit Level	TRK 359			EQUIPMENT LOADING
9/4/2023 19:41	9/5/2023 3:08	Subtransmission	Circuit Level	TRK 359			EQUIPMENT LOADING
9/4/2023 19:13	9/5/2023 3:05	Subtransmission	Circuit Level	TRK 359			EQUIPMENT LOADING
9/4/2023 19:34	9/5/2023 3:08	Subtransmission	Circuit Level	TRK 359			EQUIPMENT LOADING
2/23/2023 8:09	2/25/2023 7:43	Subtransmission		TIE 4501			ICE
2/23/2023 6:51	2/25/2023 7:42	Subtransmission		TRK 7702			ICE
2/25/2023 7:52	2/25/2023 17:07	Subtransmission		TIE 8804			ICE
3/4/2023 9:25	3/4/2023 20:01	Subtransmission		TRK 2918			ICE
6/24/2018 9:35	6/24/2018 18:33	Subtransmission	None	TIE 9111			LIGHTNING
2/26/2018 10:35	2/26/2018 14:37	Subtransmission	None	TRK 2510			PUBLIC INTERFERENCE
1/7/2019 12:48	1/8/2019 15:30	Subtransmission	None	TRK 7909			PUBLIC INTERFERENCE
2/21/2019 8:16	2/21/2019 13:01	Subtransmission	None	TRK 4351			PUBLIC INTERFERENCE
3/22/2019 8:53	3/22/2019 16:05	Subtransmission	None	TRK 2715			PUBLIC INTERFERENCE
4/26/2019 17:56	4/26/2019 20:59	Subtransmission	None	TIE 3245			PUBLIC INTERFERENCE
5/11/2019 9:19	5/11/2019 19:39	Subtransmission	None	TRK 2510			PUBLIC INTERFERENCE
5/26/2019 7:03	5/26/2019 10:22	Subtransmission	None	TRK 2519			PUBLIC INTERFERENCE
5/28/2019 12:02	5/29/2019 7:18	Subtransmission	None	TRK 7411			PUBLIC INTERFERENCE
6/27/2019 22:31	6/28/2019 5:24	Subtransmission	None	TRK 3646			PUBLIC INTERFERENCE
12/8/2019 22:35	12/9/2019 13:28	Subtransmission	None	TRK 7150			PUBLIC INTERFERENCE
12/8/2019 20:24	12/9/2019 6:31	Subtransmission	None	TRK 7150			PUBLIC INTERFERENCE
9/24/2020 8:18	9/24/2020 9:47	Subtransmission	Distribution	TIE 7520	193	11335	PUBLIC INTERFERENCE
9/24/2020 8:26	9/24/2020 18:44	Subtransmission	None	TIE 7520			PUBLIC INTERFERENCE
9/24/2020 8:19	9/24/2020 9:45	Subtransmission	Distribution	TIE 7520	21	1220	PUBLIC INTERFERENCE
9/24/2020 8:16	9/24/2020 9:45	Subtransmission	Distribution	TIE 7520	159	17898	PUBLIC INTERFERENCE
10/11/2021 4:21	10/11/2021 6:11	Subtransmission	None	TIE 5823			PUBLIC INTERFERENCE
10/11/2021 4:10	10/11/2021 5:19	Subtransmission	Distribution	TIE 5823	688	45764	PUBLIC INTERFERENCE
10/11/2021 4:36	10/11/2021 12:29	Subtransmission	None	TIE 5823			PUBLIC INTERFERENCE
10/11/2021 4:38	10/11/2021 12:13	Subtransmission	None	TIE 5823			PUBLIC INTERFERENCE
11/29/2021 9:53	11/29/2021 11:23	Subtransmission	None	TIE 6602			PUBLIC INTERFERENCE
5/2/2022 15:29	5/3/2022 0:57	Subtransmission	None	TRK 346			PUBLIC INTERFERENCE
9/3/2022 7:38	9/3/2022 17:33	Subtransmission	None	TRK 4316			PUBLIC INTERFERENCE
9/3/2022 7:26	9/3/2022 17:10	Subtransmission	Distribution	TRK 4316	5	2895	PUBLIC INTERFERENCE
9/3/2022 7:36	9/3/2022 17:33	Subtransmission	None	TRK 4316			PUBLIC INTERFERENCE
11/16/2022 17:50	11/17/2022 0:59	Subtransmission	None	TRK 4316			PUBLIC INTERFERENCE
11/18/2022 8:29	11/18/2022 14:26	Subtransmission	None	TRK 3508			PUBLIC INTERFERENCE
8/25/2023 9:34	8/25/2023 15:14	Subtransmission		TRK 781			PUBLIC INTERFERENCE
11/18/2023 22:22	11/29/2023 20:08	Subtransmission		TRK 2806			PUBLIC INTERFERENCE
11/18/2023 22:12	11/19/2023 5:24	Subtransmission	Device (II)	TRK 2806	484	37346	PUBLIC INTERFERENCE
2/23/2018 11:53	2/23/2018 15:00	Subtransmission	Distribution	TIE 4109	133	18760	TREE
2/23/2018 7:23	2/23/2018 10:00	Subtransmission	Distribution	TIE 4109	781	109650	TREE
2/23/2018 7:45	2/23/2018 18:36	Subtransmission	None	TIE 4109			TREE
2/23/2018 7:23	2/23/2018 9:05	Subtransmission	Distribution	TIE 4109	417	38224	TREE
2/23/2018 7:23	2/23/2018 9:06	Subtransmission	Distribution	TIE 4109	645	59825	TREE
2/25/2018 15:59	2/27/2018 1:22	Subtransmission	None	TIE4105			TREE
4/14/2018 19:27	4/15/2018 19:49	Subtransmission	None	TIE 3208			TREE
4/14/2018 9:22	4/14/2018 18:17	Subtransmission	None	TIE 3208			TREE
4/15/2018 7:05	4/15/2018 23:00	Subtransmission	Distribution	TIE 1467	1154	931231	TREE
4/15/2018 7:05	4/15/2018 12:43	Subtransmission	Distribution	TIE 1467	420	129082	TREE
4/15/2018 7:05	4/15/2018 21:30	Subtransmission	Distribution	TIE 1467	731	647929	TREE
4/15/2018 8:18	4/15/2018 18:39	Subtransmission	None	TRK 2002			TREE
4/15/2018 8:39	4/15/2018 17:30	Subtransmission	None	TRK 2002			TREE
4/15/2018 8:16	4/15/2018 18:38	Subtransmission	None	TRK 2002			TREE
5/5/2018 12:02	5/8/2018 0:58	Subtransmission	None	TIE 4109			TREE
5/8/2018 8:31	5/8/2018 15:08	Subtransmission	None	TIE 2812			TREE
5/8/2018 10:45	5/8/2018 20:14	Subtransmission	None	TRK 7150			TREE
5/27/2018 12:30	5/27/2018 15:46	Subtransmission	None	TRK 2636			TREE
5/27/2018 15:47	5/27/2018 21:24	Subtransmission	None	TRK 2636			TREE
5/29/2018 14:32	5/30/2018 1:26	Subtransmission	None	TRK 7062			TREE
5/30/2018 22:42	5/31/2018 14:03	Subtransmission	None	TIE 5843			TREE
7/15/2018 22:04	7/16/2018 10:24	Subtransmission	Distribution	TRK 4416	845	624346	TREE
7/15/2018 23:05	7/16/2018 0:56	Subtransmission	None	TRK 4416			TREE

7/16/2018 16:25	7/17/2018 6:35	Subtransmission	None	TIE 6147			TREE
7/16/2018 16:17	7/16/2018 22:29	Subtransmission	Distribution	TIE 6147	277	99561	TREE
7/26/2018 21:09	7/27/2018 19:45	Subtransmission	Distribution	TIE 1544	464	74568	TREE
8/2/2018 12:53	8/2/2018 14:14	Subtransmission	Subtransmission	TIE 4109	390	31375	TREE
8/2/2018 12:53	8/2/2018 14:14	Subtransmission	Subtransmission	TIE 4109	633	51273	TREE
8/2/2018 12:58	8/2/2018 23:52	Subtransmission	None	TIE 4109			TREE
8/2/2018 12:52	8/2/2018 21:40	Subtransmission	Distribution	TIE 4109	747	241650	TREE
10/17/2018 9:27	10/17/2018 18:42	Subtransmission	None	TRK 2025			TREE
12/27/2018 18:46	12/27/2018 22:42	Subtransmission	Distribution	TIE 9111	406	69809	TREE
12/27/2018 19:55	12/28/2018 4:26	Subtransmission	None	TIE 9111			TREE
12/27/2018 19:50	12/27/2018 22:42	Subtransmission	Distribution	TIE 9111	673	117081	TREE
12/28/2018 17:14	12/28/2018 20:24	Subtransmission	None	TRK 7122			TREE
12/28/2018 17:14	12/28/2018 18:11	Subtransmission	None	TRK 7122			TREE
12/28/2018 17:17	12/28/2018 20:16	Subtransmission	None	TRK 7122			TREE
12/31/2018 23:06	1/1/2019 14:32	Subtransmission	None	TIE 3245			TREE
12/31/2018 22:56	1/1/2019 0:52	Subtransmission	Distribution	TIE 3245	345	41048	TREE
1/2/2019 15:32	1/2/2019 20:04	Subtransmission	None	TRK 5145			TREE
1/7/2019 7:00	1/7/2019 15:21	Subtransmission	Distribution	TIE 4109	685	298827	TREE
1/7/2019 7:58	1/7/2019 15:15	Subtransmission	Distribution	TIE 4109	477	207740	TREE
1/7/2019 7:58	1/7/2019 12:15	Subtransmission	Distribution	TIE 4109	803	209534	TREE
2/7/2019 23:02	2/8/2019 16:25	Subtransmission	None	TIE 7621			TREE
2/19/2019 21:03	2/19/2019 23:15	Subtransmission	None	TIE 182			TREE
2/24/2019 15:20	2/24/2019 20:48	Subtransmission	None	TIE 4501			TREE
2/24/2019 23:00	2/25/2019 3:02	Subtransmission	Distribution	TIE 4708	478	119679	TREE
2/24/2019 23:00	2/25/2019 17:00	Subtransmission	Distribution	TIE 4708	580	640007	TREE
2/24/2019 23:08	2/25/2019 17:53	Subtransmission	None	TIE 4708			TREE
2/24/2019 23:00	2/25/2019 3:30	Subtransmission	Distribution	TIE 4708	1564	381393	TREE
2/24/2019 23:07	2/25/2019 3:30	Subtransmission	Distribution	TIE 4708	1	243	TREE
2/24/2019 23:00	2/25/2019 3:00	Subtransmission	Distribution	TIE 4708	657	221569	TREE
2/24/2019 19:25	2/25/2019 3:02	Subtransmission	Distribution	TIE 4708	529	129200	TREE
2/24/2019 14:35	2/24/2019 16:48	Subtransmission	Subtransmission	TIE 6138	1636	200145	TREE
2/24/2019 14:40	2/24/2019 18:20	Subtransmission	Distribution	TIE 6138	1406	171770	TREE
2/24/2019 14:31	2/25/2019 1:00	Subtransmission	Distribution	TIE 6138	1532	343187	TREE
2/24/2019 12:12	2/24/2019 18:14	Subtransmission	Distribution	TIE 6138	2461	366895	TREE
2/24/2019 15:40	2/25/2019 14:09	Subtransmission	Distribution	TIE 6602	323	409805	TREE
2/24/2019 15:40	2/24/2019 20:40	Subtransmission	Distribution	TIE 6602	137	41051	TREE
2/24/2019 11:08	2/25/2019 20:10	Subtransmission	None	TRK 5145			TREE
2/24/2019 13:37	2/25/2019 19:05	Subtransmission	None	TRK 5145			TREE
2/24/2019 10:30	2/24/2019 21:13	Subtransmission	None	TRK 5404			TREE
2/25/2019 7:04	2/25/2019 15:29	Subtransmission	None	TIE 4708			TREE
2/25/2019 11:52	2/25/2019 21:13	Subtransmission	None	TIE 4708			TREE
2/25/2019 7:08	2/25/2019 12:32	Subtransmission	None	TIE 6138			TREE
2/25/2019 1:02	2/25/2019 20:19	Subtransmission	None	TRK 5145			TREE
3/11/2019 16:45	3/12/2019 3:13	Subtransmission	None	TIE 3410			TREE
3/30/2019 5:48	3/30/2019 8:54	Subtransmission	None	TIE 3402			TREE
3/30/2019 5:10	3/30/2019 12:54	Subtransmission	None	TIE 3402			TREE
3/30/2019 5:17	3/30/2019 6:50	Subtransmission	Distribution	TIE 3402	311	29037	TREE
4/13/2019 13:40	4/13/2019 19:45	Subtransmission	None	TIE 807			TREE
4/13/2019 15:21	4/13/2019 21:16	Subtransmission	None	TIE 807			TREE
4/13/2019 10:57	4/13/2019 12:45	Subtransmission	None	TIE 807			TREE
4/14/2019 20:04	4/14/2019 22:00	Subtransmission	Subtransmission	TIE 3208	511	60815	TREE
4/14/2019 20:04	4/14/2019 22:00	Subtransmission	Subtransmission	TIE 3208	477	56668	TREE
4/28/2019 4:51	4/28/2019 8:30	Subtransmission	Distribution	TIE 2648	1560	27435	TREE
4/28/2019 4:50	4/28/2019 8:30	Subtransmission	Distribution	TIE 2648	771	21337	TREE
4/28/2019 4:59	4/28/2019 8:00	Subtransmission	Distribution	TIE 2648	1287	60533	TREE
4/28/2019 5:03	4/28/2019 16:44	Subtransmission	None	TIE 2648			TREE
5/23/2019 6:29	5/23/2019 13:07	Subtransmission	Distribution	TIE 1473	874	261946	TREE
5/23/2019 5:58	5/23/2019 11:28	Subtransmission	None	TIE 3417			TREE
7/3/2019 0:51	7/4/2019 1:10	Subtransmission	None	TRK 1232			TREE
7/5/2019 17:09	7/5/2019 20:00	Subtransmission	None	TIE 7745			TREE
7/5/2019 17:25	7/5/2019 20:38	Subtransmission	None	TIE 7745			TREE
7/5/2019 17:05	7/6/2019 15:06	Subtransmission	None	TIE 7745			TREE
7/5/2019 16:57	7/5/2019 21:35	Subtransmission	None	TIE 7745			TREE
7/7/2019 7:34	7/7/2019 15:43	Subtransmission	None	TRK 7122			TREE
7/20/2019 7:53	7/20/2019 16:58	Subtransmission	None	TIE 1544			TREE
7/20/2019 22:30	7/21/2019 21:06	Subtransmission	None	TIE 3245			TREE
7/20/2019 21:37	7/21/2019 11:30	Subtransmission	Distribution	TIE 3245	3	3486	TREE
7/22/2019 0:38	7/23/2019 14:28	Subtransmission	None	TIE 4501			TREE
7/27/2019 16:57	7/28/2019 16:33	Subtransmission	None	TIE 9107			TREE
7/28/2019 19:26	8/1/2019 11:57	Subtransmission	None	TIE 6147			TREE
7/28/2019 17:15	7/29/2019 0:30	Subtransmission	Distribution	TIE 6147	552	238137	TREE
8/17/2019 18:22	8/18/2019 19:57	Subtransmission	None	TIE 3241			TREE
8/26/2019 12:17	8/27/2019 10:30	Subtransmission	Distribution	TIE 3241	1	6	TREE
9/5/2019 12:44	9/5/2019 13:28	Subtransmission	None	TIE 5513			TREE
9/5/2019 12:48	9/5/2019 18:06	Subtransmission	None	TIE 5513			TREE
9/11/2019 11:38	9/11/2019 17:55	Subtransmission	None	TIE 3205			TREE
9/11/2019 11:37	9/11/2019 14:38	Subtransmission	None	TIE 3205			TREE
9/13/2019 15:20	9/13/2019 23:01	Subtransmission	None	TIE 4501			TREE
9/23/2019 11:41	9/23/2019 17:43	Subtransmission	None	TIE 3203			TREE
9/23/2019 14:01	9/23/2019 18:00	Subtransmission	Distribution	TIE 3203	518	112016	TREE
9/23/2019 12:25	9/23/2019 18:25	Subtransmission	None	TIE 3203			TREE
10/17/2019 13:34	10/17/2019 16:34	Subtransmission	Distribution	TRK 5145	1039	161273	TREE
10/17/2019 13:34	10/17/2019 16:34	Subtransmission	Distribution	TRK 5145	170	26298	TREE
10/17/2019 13:34	10/17/2019 16:44	Subtransmission	Distribution	TRK 5145	361	63359	TREE
10/17/2019 13:34	10/17/2019 16:40	Subtransmission	Distribution	TRK 5145	640	110725	TREE
10/17/2019 13:34	10/17/2019 16:42	Subtransmission	Distribution	TRK 5145	407	69982	TREE
10/17/2019 13:34	10/17/2019 16:34	Subtransmission	Distribution	TRK 5145	403	58473	TREE
10/19/2019 10:35	10/19/2019 11:53	Subtransmission	Distribution	TIE 3410	6	484	TREE
10/19/2019 13:58	10/19/2019 19:19	Subtransmission	Distribution	TIE 3410	41	8280	TREE
10/19/2019 14:07	10/19/2019 21:00	Subtransmission	None	TIE 3410			TREE
10/22/2019 0:07	10/22/2019 5:28	Subtransmission	None	TIE 3241			TREE
10/22/2019 0:09	10/22/2019 4:50	Subtransmission	None	TIE 3241			TREE
10/27/2019 5:09	10/27/2019 15:09	Subtransmission	None	TIE 7140			TREE
10/27/2019 11:11	10/27/2019 14:45	Subtransmission	None	TIE 7430			TREE
10/27/2019 4:29	10/27/2019 14:45	Subtransmission	Distribution	TIE 7430	1531	591662	TREE
11/1/2019 0:21	11/1/2019 20:39	Subtransmission	None	TIE 3410			TREE
11/20/2019 10:38	11/20/2019 20:06	Subtransmission	None	TIE 3209			TREE
11/27/2019 14:35	11/27/2019 20:47	Subtransmission	None	TIE 3417			TREE
11/27/2019 13:15	11/27/2019 20:09	Subtransmission	None	TIE 3417			TREE
12/1/2019 3:21	12/1/2019 10:30	Subtransmission	Distribution	TIE 5829	1191	228806	TREE
12/5/2019 13:16	12/5/2019 22:03	Subtransmission	None	TIE 3323			TREE
12/5/2019 16:37	12/5/2019 18:48	Subtransmission	None	TIE 3323			TREE
12/26/2019 10:53	12/26/2019 20:26	Subtransmission	None	TIE 3208			TREE
12/30/2019 7:33	12/30/2019 10:27	Subtransmission	None	TIE 4605			TREE
12/30/2019 11:46	12/30/2019 16:00	Subtransmission	Distribution	TIE 4605	179	41708	TREE

3/10/2020 17:36	3/10/2020 18:29	Subtransmission	None	TIE 3208			TREE
3/17/2020 5:32	3/17/2020 12:53	Subtransmission	None	TIE 3323			TREE
3/17/2020 14:57	3/17/2020 22:47	Subtransmission	None	TIE 3323			TREE
4/13/2020 15:32	4/13/2020 20:38	Subtransmission	None	TIE 3206			TREE
4/13/2020 17:10	4/13/2020 22:09	Subtransmission	None	TIE 3206			TREE
4/21/2020 0:27	4/21/2020 0:34	Subtransmission	None	TRK 6125			TREE
4/21/2020 0:20	4/21/2020 2:32	Subtransmission	Distribution	TRK 6125	163	26880	TREE
4/21/2020 7:05	4/21/2020 19:08	Subtransmission	None	TRK 6125			TREE
5/28/2020 18:43	5/28/2020 20:30	Subtransmission	Distribution	TRK 2010	11	189	TREE
5/28/2020 18:53	6/1/2020 12:58	Subtransmission	None	TRK 2010			TREE
6/3/2020 3:40	6/3/2020 13:08	Subtransmission	Distribution	TIE 6931	1062	537363	TREE
6/3/2020 4:01	6/3/2020 16:05	Subtransmission	None	TIE 6931			TREE
6/3/2020 11:47	6/3/2020 15:58	Subtransmission	Distribution	TIE 6931	163	40395	TREE
6/10/2020 14:13	6/11/2020 22:13	Subtransmission	Distribution	TIE 3209	608	1062043	TREE
6/10/2020 16:09	6/11/2020 7:17	Subtransmission	Distribution	TIE 4523	392	160996	TREE
6/10/2020 16:46	6/13/2020 13:26	Subtransmission	None	TIE 4523			TREE
6/10/2020 16:05	6/11/2020 1:30	Subtransmission	Distribution	TIE 4523	600	250665	TREE
6/11/2020 21:27	6/14/2020 6:37	Subtransmission	None	TIE 8505			TREE
6/11/2020 21:45	6/12/2020 2:15	Subtransmission	None	TIE 8505			TREE
7/19/2020 10:21	7/19/2020 16:50	Subtransmission	Distribution	TIE 4708	537	351823	TREE
7/19/2020 10:27	7/19/2020 21:15	Subtransmission	None	TIE 4708			TREE
8/10/2020 16:27	8/10/2020 16:53	Subtransmission	Distribution	TRK 6759	1266	25477	TREE
8/18/2020 10:33	8/18/2020 21:04	Subtransmission	None	TRK 2035			TREE
8/29/2020 1:56	8/29/2020 16:42	Subtransmission	None	TRK 7114			TREE
8/29/2020 2:01	8/29/2020 9:29	Subtransmission	None	TRK 7114			TREE
8/31/2020 10:34	8/31/2020 15:07	Subtransmission	None	TRK 7114			TREE
9/2/2020 10:10	9/2/2020 14:53	Subtransmission	None	TRK 7114			TREE
9/11/2020 16:45	9/11/2020 20:32	Subtransmission	None	TRK 1563			TREE
9/11/2020 1:52	9/11/2020 14:56	Subtransmission	None	TRK 1563			TREE
9/11/2020 1:41	9/11/2020 2:40	Subtransmission	Distribution	TRK 1563	204	16268	TREE
9/12/2020 10:25	9/15/2020 19:02	Subtransmission	None	TRK 1563			TREE
10/4/2020 9:26	10/4/2020 11:27	Subtransmission	None	TRK 5145			TREE
10/23/2020 13:51	10/23/2020 22:34	Subtransmission	Distribution	TIE 7702	539	280793	TREE
10/31/2020 13:46	10/31/2020 14:48	Subtransmission	Subtransmission	TIE 9111	1144	142654	TREE
10/31/2020 13:56	11/1/2020 0:42	Subtransmission	Distribution	TIE 9111			TREE
10/31/2020 14:04	10/31/2020 20:15	Subtransmission	None	TIE 9111			TREE
11/15/2020 13:56	11/17/2020 18:12	Subtransmission	None	TIE 3318			TREE
11/15/2020 14:50	11/16/2020 19:21	Subtransmission	None	TIE 3318			TREE
11/16/2020 13:15	11/18/2020 20:48	Subtransmission	None	TIE 4109			TREE
11/18/2020 15:44	11/18/2020 17:10	Subtransmission	Distribution	TIE 4109	166	14318	TREE
12/24/2020 4:12	12/24/2020 10:58	Subtransmission	None	TIE 226			TREE
12/24/2020 4:12	12/24/2020 14:11	Subtransmission	None	TIE 226			TREE
12/24/2020 4:10	12/24/2020 12:08	Subtransmission	Distribution	TIE 226	1032	238732	TREE
12/24/2020 4:40	12/24/2020 10:00	Subtransmission	Distribution	TIE 226	16	3165	TREE
12/24/2020 4:31	12/24/2020 6:07	Subtransmission	Distribution	TIE 226	1444	141474	TREE
12/24/2020 4:49	12/24/2020 14:32	Subtransmission	None	TIE 226			TREE
12/24/2020 4:28	12/24/2020 4:44	Subtransmission	None	TIE 226			TREE
12/24/2020 4:28	12/24/2020 6:07	Subtransmission	Distribution	TIE 226	1292	129328	TREE
12/24/2020 15:53	12/24/2020 22:21	Subtransmission	None	TIE 8511			TREE
12/24/2020 4:35	12/24/2020 12:30	Subtransmission	Distribution	TIE 8511	1	439	TREE
12/24/2020 4:48	12/24/2020 6:17	Subtransmission	Distribution	TIE 8511	45	3725	TREE
3/4/2021 5:39	3/4/2021 15:10	Subtransmission	None	TIE 3241			TREE
6/8/2021 16:17	6/8/2021 18:00	Subtransmission	Distribution	TRK 8215	867	82249	TREE
6/8/2021 17:04	6/8/2021 18:37	Subtransmission	None	TRK 8215			TREE
6/9/2021 17:06	6/9/2021 20:53	Subtransmission	None	TIE 1540			TREE
6/20/2021 23:18	6/22/2021 21:03	Subtransmission	None	TRK 2659			TREE
7/1/2021 0:09	7/1/2021 1:28	Subtransmission	Distribution	TIE 6147	2132	170928	TREE
7/1/2021 0:13	7/1/2021 3:44	Subtransmission	None	TIE 6147			TREE
7/1/2021 11:34	7/1/2021 18:31	Subtransmission	None	TIE 6147			TREE
7/1/2021 12:12	7/1/2021 20:58	Subtransmission	None	TIE 6147			TREE
7/6/2021 16:02	7/6/2021 16:43	Subtransmission	None	TRK 7062			TREE
7/6/2021 18:45	7/6/2021 22:40	Subtransmission	Distribution	TRK 7062	1250	226595	TREE
7/6/2021 19:36	7/6/2021 22:50	Subtransmission	Distribution	TRK 7062	678	132787	TREE
7/6/2021 19:37	7/6/2021 22:50	Subtransmission	Distribution	TRK 7062	89	17250	TREE
7/6/2021 19:57	7/7/2021 17:06	Subtransmission	None	TRK 7062			TREE
7/7/2021 15:21	7/8/2021 10:00	Subtransmission	Distribution	TIE 4509	436	191247	TREE
7/7/2021 15:06	7/9/2021 15:00	Subtransmission	Distribution	TRK 4405	307	969312	TREE
7/7/2021 17:05	7/7/2021 17:56	Subtransmission	None	TRK 4405			TREE
7/7/2021 15:06	7/8/2021 23:29	Subtransmission	Subtransmission	TRK 4405	453	878590	TREE
7/7/2021 9:51	7/8/2021 4:04	Subtransmission	Distribution	TRK 4405	184	642365	TREE
7/7/2021 15:05	7/8/2021 21:45	Subtransmission	Subtransmission	TRK 4405	377	680897	TREE
7/8/2021 4:39	7/8/2021 21:16	Subtransmission	None	TRK 7122			TREE
7/20/2021 21:39	7/23/2021 10:40	Subtransmission	None	TIE 1531			TREE
7/20/2021 20:07	7/20/2021 23:00	Subtransmission	Distribution	TIE 1531	2453	411979	TREE
7/20/2021 20:07	7/21/2021 6:30	Subtransmission	Distribution	TIE 1531	1179	700205	TREE
7/23/2021 7:01	7/23/2021 11:21	Subtransmission	None	TIE 8014			TREE
7/24/2021 19:38	7/26/2021 9:48	Subtransmission	Distribution	TIE 8014	793	329233	TREE
7/25/2021 15:21	7/26/2021 20:02	Subtransmission	None	TRK 7122			TREE
7/25/2021 17:28	7/25/2021 20:54	Subtransmission	None	TRK 7122			TREE
7/25/2021 17:20	7/25/2021 18:48	Subtransmission	None	TRK 7122			TREE
7/29/2021 5:01	7/30/2021 14:59	Subtransmission	None	TIE 3205			TREE
8/9/2021 20:30	8/10/2021 14:30	Subtransmission	Distribution	TRK 6759			TREE
8/9/2021 18:08	8/10/2021 19:29	Subtransmission	None	TRK 6759			TREE
8/9/2021 19:14	8/10/2021 17:31	Subtransmission	None	TRK 6759			TREE
8/9/2021 19:01	8/10/2021 5:57	Subtransmission	None	TRK 6759			TREE
8/9/2021 17:49	8/10/2021 19:15	Subtransmission	None	TRK 6759			TREE
8/9/2021 15:32	8/10/2021 17:43	Subtransmission	None	TRK 6759			TREE
8/9/2021 0:08	8/10/2021 0:31	Subtransmission	Subtransmission	TRK 6759	821	433757	TREE
8/11/2021 16:24	8/13/2021 4:00	Subtransmission	Distribution	TIE4105			TREE
8/11/2021 15:37	8/14/2021 22:30	Subtransmission	Distribution	TRK 1340	588	643066	TREE
8/11/2021 22:30	8/13/2021 11:18	Subtransmission	None	TRK 1340			TREE
8/11/2021 15:38	8/13/2021 15:30	Subtransmission	Distribution	TRK 1340	772	1173129	TREE
8/11/2021 15:31	8/14/2021 22:45	Subtransmission	Subtransmission	TRK 2035	523	2602822	TREE
8/11/2021 15:31	8/14/2021 20:30	Subtransmission	Distribution	TRK 2035	776	3271963	TREE
8/11/2021 22:27	8/13/2021 20:30	Subtransmission	None	TRK 2035			TREE
8/24/2021 21:57	8/25/2021 14:46	Subtransmission	Distribution	TRK 7062	580	581150	TREE
8/27/2021 18:00	8/29/2021 1:27	Subtransmission	Distribution	TIE 3206	131	115458	TREE
8/28/2021 4:05	8/29/2021 1:27	Subtransmission	Distribution	TIE 3206	379	311753	TREE
9/4/2021 11:38	9/7/2021 8:03	Subtransmission	None	TRK 565			TREE
9/7/2021 20:36	9/8/2021 18:00	Subtransmission	Distribution	TRK 1276	1674	316268	TREE
9/15/2021 1:07	9/15/2021 21:14	Subtransmission	None	TRK 2659			TREE
9/22/2021 17:20	9/23/2021 21:32	Subtransmission	Distribution	TIE 3402	969	2742772	TREE
9/22/2021 20:16	9/24/2021 20:11	Subtransmission	None	TIE4105			TREE
9/22/2021 19:48	9/24/2021 19:51	Subtransmission	None	TIE4105			TREE
9/22/2021 19:26	9/24/2021 19:30	Subtransmission	Distribution	TIE4105	547	636676	TREE

9/23/2021 8:59	9/23/2021 20:06	Subtransmission	None	TIE 3205			TREE
11/11/2021 14:44	11/12/2021 12:34	Subtransmission	None	TIE 6621			TREE
11/11/2021 14:48	11/11/2021 23:26	Subtransmission	None	TIE 6621			TREE
12/11/2021 14:36	12/13/2021 19:16	Subtransmission	None	TIE 4105			TREE
12/11/2021 12:56	12/11/2021 18:38	Subtransmission	None	TIE 4105			TREE
12/11/2021 10:11	12/11/2021 14:45	Subtransmission	None	TIE 8033			TREE
12/11/2021 9:58	12/11/2021 21:22	Subtransmission	None	TIE 8033			TREE
12/11/2021 9:53	12/11/2021 15:30	Subtransmission	Distribution	TIE 8033	808	314869	TREE
12/11/2021 12:48	12/12/2021 14:20	Subtransmission	Distribution	TIE 8033	358	542988	TREE
12/11/2021 10:42	12/11/2021 13:23	Subtransmission	None	TIE 8033			TREE
12/11/2021 10:49	12/13/2021 15:45	Subtransmission	Distribution	TIE 8033	86	273091	TREE
12/11/2021 9:58	12/11/2021 19:00	Subtransmission	Distribution	TIE 8033	163	73569	TREE
12/11/2021 10:08	12/13/2021 20:02	Subtransmission	None	TIE 8033			TREE
12/11/2021 10:58	12/12/2021 17:01	Subtransmission	None	TRK 2824			TREE
12/11/2021 11:56	12/12/2021 11:35	Subtransmission	Distribution	TRK 7062	89	124655	TREE
12/11/2021 12:09	12/13/2021 16:59	Subtransmission	None	TRK 7062			TREE
12/12/2021 9:02	12/13/2021 6:04	Subtransmission	None	TRK 2824			TREE
12/12/2021 8:52	12/12/2021 21:45	Subtransmission	None	TRK 7062			TREE
12/16/2021 14:25	12/16/2021 19:30	Subtransmission	Distribution	TIE 3705	1479	452124	TREE
12/16/2021 14:25	12/16/2021 20:00	Subtransmission	Distribution	TIE 3705	465	140642	TREE
12/19/2021 16:34	12/20/2021 11:54	Subtransmission	None	TIE 3705			TREE
12/20/2021 9:38	12/20/2021 20:45	Subtransmission	None	TIE 3705			TREE
3/2/2022 12:07	3/3/2022 16:30	Subtransmission	None	TRK 2411			TREE
3/6/2022 9:44	3/6/2022 17:16	Subtransmission	None	TIE 4708			TREE
3/6/2022 9:29	3/6/2022 17:00	Subtransmission	Distribution	TIE 4708	481	77233	TREE
3/31/2022 5:03	3/31/2022 15:58	Subtransmission	None	TIE 6931			TREE
3/31/2022 5:47	3/31/2022 13:25	Subtransmission	None	TIE 6931			TREE
4/15/2022 12:47	4/15/2022 21:17	Subtransmission	Distribution	TIE 9111	260	115132	TREE
4/15/2022 13:18	4/15/2022 21:13	Subtransmission	None	TIE 9111			TREE
4/15/2022 20:46	4/17/2022 21:00	Subtransmission	None	TIE 9111			TREE
4/15/2022 12:47	4/15/2022 21:16	Subtransmission	Distribution	TIE 9111	618	211124	TREE
4/15/2022 13:49	4/15/2022 21:17	Subtransmission	None	TIE 9111			TREE
4/21/2022 10:53	4/21/2022 20:39	Subtransmission	None	TIE 226			TREE
4/21/2022 10:50	4/21/2022 20:25	Subtransmission	None	TIE 226			TREE
5/4/2022 11:51	5/5/2022 10:08	Subtransmission	None	TIE 3205			TREE
5/4/2022 22:10	5/5/2022 1:20	Subtransmission	Distribution	TIE 3205	1944	361463	TREE
6/1/2022 12:51	6/2/2022 20:52	Subtransmission	None	TRK 2005			TREE
6/1/2022 22:43	6/2/2022 20:53	Subtransmission	None	TRK 2005			TREE
6/2/2022 9:03	6/2/2022 20:18	Subtransmission	None	TIE 2025			TREE
6/3/2022 7:56	6/3/2022 14:30	Subtransmission	None	TIE 2025			TREE
6/16/2022 8:19	6/16/2022 11:30	Subtransmission	Distribution	TRK 2806	1425	95620	TREE
6/16/2022 8:08	6/16/2022 10:23	Subtransmission	Distribution	TRK 2806	654	68990	TREE
6/16/2022 8:09	6/16/2022 10:23	Subtransmission	Distribution	TRK 2806	450	55980	TREE
6/16/2022 8:47	6/16/2022 13:37	Subtransmission	None	TRK 2806			TREE
6/18/2022 1:35	6/18/2022 2:19	Subtransmission	None	TRK 1232			TREE
6/18/2022 0:58	6/18/2022 20:56	Subtransmission	None	TRK 1232			TREE
6/18/2022 1:21	6/18/2022 3:09	Subtransmission	None	TRK 1232			TREE
6/18/2022 0:58	6/18/2022 20:54	Subtransmission	Distribution	TRK 1232	13	960	TREE
6/18/2022 0:58	6/18/2022 2:13	Subtransmission	Distribution	TRK 1232	746	55115	TREE
6/18/2022 1:20	6/18/2022 2:18	Subtransmission	None	TRK 1232			TREE
6/18/2022 0:58	6/18/2022 2:13	Subtransmission	Distribution	TRK 1232	1581	116851	TREE
6/18/2022 0:58	6/18/2022 20:54	Subtransmission	Distribution	TRK 1232	10	739	TREE
6/18/2022 0:58	6/18/2022 20:58	Subtransmission	Distribution	TRK 1232	12	883	TREE
6/18/2022 0:58	6/18/2022 20:54	Subtransmission	Distribution	TRK 1232	3	757	TREE
6/18/2022 0:58	6/18/2022 20:57	Subtransmission	None	TRK 1232			TREE
6/18/2022 1:10	6/18/2022 6:05	Subtransmission	None	TRK 1232			TREE
6/18/2022 0:58	6/18/2022 14:20	Subtransmission	Distribution	TRK 1232	245	90828	TREE
6/18/2022 1:18	6/18/2022 13:30	Subtransmission	Distribution	TRK 1232	423	157453	TREE
6/29/2022 23:52	6/30/2022 6:45	Subtransmission	Distribution	TRK 3508			TREE
6/29/2022 23:48	6/30/2022 4:30	Subtransmission	Distribution	TRK 3508			TREE
8/3/2022 18:24	8/4/2022 13:40	Subtransmission	Distribution	TIE 4523	666	768789	TREE
8/3/2022 18:27	8/4/2022 13:17	Subtransmission	None	TIE 4523			TREE
8/3/2022 18:19	8/4/2022 20:27	Subtransmission	Distribution	TRK 7114	1212	194468	TREE
8/3/2022 18:24	8/4/2022 21:33	Subtransmission	None	TRK 7114			TREE
8/3/2022 19:20	8/4/2022 14:10	Subtransmission	None	TRK 7114			TREE
8/11/2022 0:59	8/11/2022 14:17	Subtransmission	None	TIE 5843			TREE
8/29/2022 20:05	8/31/2022 7:43	Subtransmission	None	TIE 3203			TREE
8/29/2022 18:33	8/30/2022 19:30	Subtransmission	Distribution	TRK 4911	3096	4535609	TREE
8/29/2022 20:03	8/30/2022 15:46	Subtransmission	None	TRK 4911			TREE
9/1/2022 14:33	9/2/2022 17:51	Subtransmission	None	TRK 5513			TREE
9/21/2022 10:21	9/21/2022 20:50	Subtransmission	None	TIE 3203			TREE
9/21/2022 19:57	9/22/2022 16:23	Subtransmission	Distribution	TRK 7150	494	284173	TREE
9/22/2022 7:25	9/22/2022 16:38	Subtransmission	None	TRK 7150			TREE
9/22/2022 6:33	9/22/2022 16:23	Subtransmission	Distribution	TRK 7150	394	225182	TREE
9/22/2022 7:12	9/22/2022 16:38	Subtransmission	None	TRK 7150			TREE
9/22/2022 6:33	9/22/2022 16:00	Subtransmission	Distribution	TRK 7150	543	310384	TREE
9/22/2022 6:53	9/22/2022 16:38	Subtransmission	None	TRK 7150			TREE
9/22/2022 6:33	9/22/2022 16:23	Subtransmission	Distribution	TRK 7150	509	290923	TREE
9/22/2022 6:47	9/22/2022 9:25	Subtransmission	None	TRK 7150			TREE
9/22/2022 7:10	9/22/2022 17:14	Subtransmission	None	TRK 7150			TREE
9/22/2022 6:40	9/22/2022 16:45	Subtransmission	Distribution	TRK 7150	579	304818	TREE
9/25/2022 6:12	9/25/2022 10:21	Subtransmission	Distribution	TRK 3617	208	51269	TREE
9/25/2022 6:30	9/25/2022 11:46	Subtransmission	None	TRK 3617			TREE
12/3/2022 8:16	12/3/2022 19:25	Subtransmission	None	TIE 1467			TREE
2/7/2023 16:11	2/8/2023 7:41	Subtransmission		TRK 1251			TREE
2/7/2023 15:27	2/8/2023 17:12	Subtransmission		TRK 1251			TREE
2/15/2023 15:28	2/16/2023 20:07	Subtransmission		TIE 3245			TREE
2/15/2023 15:26	2/15/2023 21:36	Subtransmission	Subtransmission	TIE 810	378	75185	TREE
2/22/2023 18:25	2/24/2023 6:28	Subtransmission		TIE 1544			TREE
2/22/2023 18:44	2/26/2023 10:52	Subtransmission		TIE 1544			TREE
2/22/2023 18:14	2/22/2023 21:17	Subtransmission	Subtransmission	TIE 1544	10	18932	TREE
3/17/2023 13:51	3/17/2023 23:07	Subtransmission	Circuit Level	TRK 2002	591	235575	TREE
3/25/2023 18:47	3/26/2023 16:31	Subtransmission		TRK 2806			TREE
5/19/2023 23:16	5/20/2023 19:21	Subtransmission		TIE 4501			TREE
5/19/2023 23:11	5/20/2023 19:00	Subtransmission		TIE 4501			TREE
5/19/2023 23:13	5/20/2023 17:13	Subtransmission		TIE 4501	1	338	TREE
5/19/2023 23:11	5/20/2023 17:14	Subtransmission	Circuit Level	TIE 4501	195	82820	TREE
5/19/2023 23:07	5/20/2023 5:20	Subtransmission	Device (II)	TIE 4501	20	6829	TREE
5/19/2023 23:07	5/20/2023 5:20	Subtransmission	Device (II)	TIE 4501	67	22645	TREE
5/19/2023 23:07	5/20/2023 5:20	Subtransmission	Device (II)	TIE 4501	42	17137	TREE
5/19/2023 23:07	5/20/2023 5:28	Subtransmission	Device (II)	TIE 4501			TREE
5/19/2023 23:11	5/20/2023 5:20	Subtransmission	Device (II)	TIE 4501	26	8788	TREE
5/19/2023 23:13	5/20/2023 5:28	Subtransmission	Single Customer	TIE 4501	1	338	TREE
5/19/2023 23:07	5/21/2023 11:02	Subtransmission	Subtransmission	TIE 4501	357	48804	TREE
5/20/2023 3:07	5/20/2023 5:21	Subtransmission	Single Customer	TIE 4501	1	338	TREE

5/30/2023 21:55	5/31/2023 6:44	Subtransmission	Subtransmission	TIE 4501	2	140	TREE
5/30/2023 1:50	5/30/2023 21:43	Subtransmission	Circuit Level	TIE 4501	5	3094	TREE
5/30/2023 16:09	5/30/2023 18:11	Subtransmission	Device (I)	TIE 4501			TREE
5/30/2023 17:58	5/30/2023 20:55	Subtransmission	Device (I)	TIE 4501	28	18351	TREE
5/30/2023 16:07	5/30/2023 20:56	Subtransmission	Service Secondary	TIE 4501			TREE
5/30/2023 16:26	5/31/2023 8:43	Subtransmission	Service Secondary	TIE 4501	2	1066	TREE
5/30/2023 17:41	5/30/2023 20:55	Subtransmission	Service Secondary	TIE 4501			TREE
5/30/2023 21:02	5/31/2023 11:06	Subtransmission	Service Secondary	TIE 4501	1	534	TREE
5/30/2023 15:29	5/30/2023 18:36	Subtransmission	Single Customer	TIE 4501			TREE
5/30/2023 16:19	5/31/2023 2:10	Subtransmission	Single Customer	TIE 4501			TREE
5/30/2023 17:11	5/30/2023 20:55	Subtransmission	Single Customer	TIE 4501			TREE
5/30/2023 21:10	5/31/2023 10:03	Subtransmission	Single Customer	TIE 4501			TREE
5/30/2023 21:34	5/31/2023 10:04	Subtransmission	Single Customer	TIE 4501			TREE
5/30/2023 20:30	5/31/2023 2:33	Subtransmission	Subtransmission	TIE 4501	646	555168	TREE
5/30/2023 10:20	5/30/2023 22:44	Subtransmission	Device (II)	TIE 4501			TREE
6/25/2023 18:35	6/26/2023 10:35	Subtransmission		TIE 4501			TREE
7/20/2023 15:22	7/21/2023 8:28	Subtransmission	Subtransmission	TIE 9303	4558	2769524	TREE
7/20/2023 18:26	7/24/2023 15:57	Subtransmission		TIE 9303			TREE
7/20/2023 15:47	7/21/2023 7:42	Subtransmission		TIE 9303			TREE
7/20/2023 15:49	7/21/2023 7:42	Subtransmission		TIE 9303			TREE
7/26/2023 15:30	7/27/2023 22:13	Subtransmission	Device (II)	TIE 4501			TREE
7/26/2023 15:06	7/27/2023 21:04	Subtransmission	Subtransmission	TIE 5513	416	738237	TREE
7/26/2023 16:05	7/28/2023 16:58	Subtransmission		TRK 1340			TREE
7/26/2023 16:07	7/28/2023 13:54	Subtransmission		TRK 4338			TREE
7/26/2023 15:42	7/27/2023 21:07	Subtransmission	Device (II)	TIE 4501			TREE
7/26/2023 17:11	7/27/2023 22:47	Subtransmission		TIE 4501			TREE
7/26/2023 15:41	7/27/2023 22:13	Subtransmission	Device (II)	TIE 4501			TREE
7/26/2023 16:11	7/28/2023 17:07	Subtransmission		TIE 4501			TREE
7/26/2023 22:21	7/28/2023 20:56	Subtransmission		TIE 7430			TREE
7/26/2023 16:09	7/28/2023 11:15	Subtransmission	Subtransmission	TRK 1303	1594	1871969	TREE
7/26/2023 16:09	7/28/2023 14:16	Subtransmission	Circuit Level	TRK 1303	1228	3437160	TREE
7/26/2023 16:06	7/28/2023 17:06	Subtransmission		TRK 1303			TREE
7/26/2023 16:11	7/29/2023 22:30	Subtransmission		TRK 1340			TREE
7/26/2023 19:24	7/28/2023 20:31	Subtransmission		TRK 4338			TREE
7/27/2023 19:44	7/28/2023 12:01	Subtransmission		TIE 5513			TREE
7/27/2023 6:57	7/28/2023 13:30	Subtransmission	Service Transformer	TRK 1303			TREE
7/27/2023 17:01	7/28/2023 15:13	Subtransmission		TRK 1303			TREE
8/14/2023 16:02	8/15/2023 5:08	Subtransmission		TIE 3209			TREE
8/14/2023 15:56	8/14/2023 19:55	Subtransmission	Subtransmission	TIE 3209	1262	179028	TREE
8/18/2023 14:17	8/18/2023 15:40	Subtransmission		TIE 2819			TREE
8/18/2023 15:40	9/13/2023 7:01	Subtransmission		TIE 2819			TREE
8/18/2023 11:01	8/18/2023 20:00	Subtransmission	Subtransmission	TIE 4105	1851	537984	TREE
8/18/2023 11:28	8/18/2023 22:02	Subtransmission	Service Transformer	TIE 4105	5	1066	TREE
8/18/2023 11:39	8/18/2023 20:35	Subtransmission		TIE 4105			TREE
8/18/2023 12:08	8/18/2023 19:57	Subtransmission		TIE 4105			TREE
8/18/2023 11:27	8/18/2023 22:03	Subtransmission	Service Transformer	TIE 4105	12	2560	TREE
8/24/2023 22:15	8/26/2023 11:50	Subtransmission		TIE 5829			TREE
8/24/2023 2:45	8/27/2023 17:30	Subtransmission	Circuit Level	TIE 5843	703	2076932	TREE
8/24/2023 22:02	8/29/2023 21:35	Subtransmission	Device (I)	TIE 5843	5	34812	TREE
8/24/2023 22:22	8/25/2023 21:29	Subtransmission		TIE 5843			TREE
8/24/2023 3:44	8/26/2023 9:31	Subtransmission		TIE 6147			TREE
8/24/2023 21:54	8/26/2023 9:11	Subtransmission	Subtransmission	TIE 6147	5630	4664028	TREE
8/24/2023 3:32	8/25/2023 8:44	Subtransmission	Circuit Level	TIE 6147	1	585	TREE
8/24/2023 22:10	8/26/2023 9:03	Subtransmission		TIE 6147			TREE
8/24/2023 22:07	8/26/2023 9:31	Subtransmission		TIE 8014			TREE
8/24/2023 14:26	8/26/2023 7:40	Subtransmission	Subtransmission	TRK 8407			TREE
8/29/2023 1:45	8/30/2023 15:44	Subtransmission		TIE 5208			TREE
8/29/2023 1:46	8/30/2023 16:01	Subtransmission		TIE 6138			TREE
11/21/2023 0:14	11/21/2023 13:56	Subtransmission		TRK 8407			TREE
8/3/2022 18:22	8/4/2022 18:55	Subtransmission	None	TRK 7114			WIND
2/15/2023 10:14	2/16/2023 22:58	Subtransmission		TRK 4316			WIND
2/21/2023 18:28	2/22/2023 4:29	Subtransmission		TRK 3511			WIND
2/22/2023 22:41	2/25/2023 7:41	Subtransmission		TIE 5208			WIND
2/22/2023 21:23	2/25/2023 7:58	Subtransmission		TRK 2035			WIND
2/22/2023 21:47	2/25/2023 7:53	Subtransmission		TRK 2806			WIND
2/22/2023 21:49	2/25/2023 7:38	Subtransmission		TRK 2812			WIND
2/24/2023 13:10	2/25/2023 7:58	Subtransmission		TRK 1470			WIND
2/24/2023 23:17	2/25/2023 7:57	Subtransmission		TRK 3632			WIND
2/27/2023 15:23	3/2/2023 11:01	Subtransmission		TIE 3205			WIND
3/5/2023 15:59	3/5/2023 23:49	Subtransmission	Substation	TRK 463			WIND
3/25/2023 15:11	3/26/2023 14:13	Subtransmission		TRK 1403			WIND
8/1/2021 9:42	8/1/2021 11:01	Subtransmission	Distribution	TRK 3417	679	54744	ANIMAL
3/27/2022 21:47	3/27/2022 21:53	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
3/27/2022 14:43	3/27/2022 16:22	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
3/27/2022 14:42	3/27/2022 16:22	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
3/27/2022 14:42	3/27/2022 17:43	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
3/27/2022 14:39	3/27/2022 18:30	Subtransmission	Distribution	TRK 3536			EQUIPMENT FAILURE
3/27/2022 14:39	3/27/2022 17:00	Subtransmission	Distribution	TRK 3536			EQUIPMENT FAILURE
3/27/2022 14:47	3/27/2022 17:42	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
3/27/2022 14:48	3/27/2022 17:43	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
3/27/2022 16:19	3/27/2022 22:14	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
3/27/2022 14:51	3/28/2022 2:41	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
3/27/2022 16:01	3/27/2022 17:44	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
3/27/2022 14:50	3/27/2022 17:43	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
6/28/2020 6:05	6/28/2020 11:18	Subtransmission	Distribution	TRK 416	171	20224	ANIMAL
7/15/2018 18:47	7/15/2018 20:36	Subtransmission	Distribution	TRK 2806	465	50303	EQUIPMENT FAILURE
7/15/2018 18:46	7/15/2018 20:44	Subtransmission	Distribution	TRK 2806	2925	332550	EQUIPMENT FAILURE
7/15/2018 21:03	7/18/2018 6:59	Subtransmission	None	TRK 2806			EQUIPMENT FAILURE
8/23/2018 9:32	8/23/2018 21:44	Subtransmission	None	TRK 6759			EQUIPMENT FAILURE
9/20/2018 10:40	9/20/2018 15:56	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
9/20/2018 15:39	9/20/2018 18:21	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
1/21/2019 8:23	1/21/2019 15:55	Subtransmission	None	TRK 3508			EQUIPMENT FAILURE
1/24/2019 1:19	1/25/2019 14:55	Subtransmission	None	TRK 3508			EQUIPMENT FAILURE
4/30/2019 9:13	4/30/2019 10:45	Subtransmission	Distribution	TIE 6931	1535	242436	EQUIPMENT FAILURE
4/30/2019 9:13	4/30/2019 10:46	Subtransmission	Distribution	TIE 6931	2426	225640	EQUIPMENT FAILURE
5/24/2020 14:02	5/24/2020 21:34	Subtransmission	None	TRK 4227			EQUIPMENT FAILURE
6/9/2020 20:36	6/11/2020 3:06	Subtransmission	None	TRK 3509			EQUIPMENT FAILURE
6/9/2020 20:20	6/9/2020 21:06	Subtransmission	None	TRK 3509			EQUIPMENT FAILURE
6/9/2020 20:29	6/9/2020 21:45	Subtransmission	None	TRK 3509			EQUIPMENT FAILURE
6/28/2020 19:02	6/28/2020 20:00	Subtransmission	Distribution	TRK 2237	559	26482	EQUIPMENT FAILURE
6/28/2020 19:05	6/28/2020 23:09	Subtransmission	Distribution	TRK 2237	350	13133	EQUIPMENT FAILURE
6/28/2020 19:02	6/28/2020 20:00	Subtransmission	Distribution	TRK 2237	932	44726	EQUIPMENT FAILURE
6/28/2020 19:02	6/28/2020 20:00	Subtransmission	Distribution	TRK 2237	823	38940	EQUIPMENT FAILURE
6/28/2020 19:02	6/28/2020 20:00	Subtransmission	Distribution	TRK 2237	641	79340	EQUIPMENT FAILURE
6/28/2020 19:02	6/28/2020 20:00	Subtransmission	Distribution	TRK 2237	879	41671	EQUIPMENT FAILURE

6/28/2020 15:12	6/28/2020 20:00	Subtransmission	Distribution	TRK 2237	1191	56827	EQUIPMENT FAILURE
6/28/2020 19:02	6/28/2020 20:00	Subtransmission	Distribution	TRK 2237	1073	50850	EQUIPMENT FAILURE
7/2/2020 22:37	7/3/2020 1:11	Subtransmission	None	TRK 2305			EQUIPMENT FAILURE
7/2/2020 19:14	7/3/2020 5:55	Subtransmission	None	TRK 2305			EQUIPMENT FAILURE
7/2/2020 18:54	7/3/2020 5:37	Subtransmission	Distribution	TRK 2305	1	618	EQUIPMENT FAILURE
7/2/2020 18:42	7/3/2020 5:07	Subtransmission	Distribution	TRK 2305	1	611	EQUIPMENT FAILURE
7/2/2020 19:08	7/3/2020 1:10	Subtransmission	None	TRK 2305			EQUIPMENT FAILURE
7/3/2020 8:42	7/4/2020 11:02	Subtransmission	None	TRK 2742			EQUIPMENT FAILURE
7/13/2020 9:51	7/13/2020 13:17	Subtransmission	None	TRK 7150			EQUIPMENT FAILURE
11/22/2020 18:05	11/23/2020 15:19	Subtransmission	None	TRK 1444			EQUIPMENT FAILURE
11/23/2020 1:57	11/23/2020 11:08	Subtransmission	Distribution	TRK 1444	24	11961	EQUIPMENT FAILURE
11/24/2020 19:30	11/25/2020 14:42	Subtransmission	None	TRK 1444			EQUIPMENT FAILURE
5/7/2021 2:54	5/7/2021 5:05	Subtransmission	Subtransmission	TIE 7733	79	10053	EQUIPMENT FAILURE
7/29/2020 15:18	7/30/2020 0:15	Subtransmission	Distribution	TRK 1303	1225	179615	TREE
7/29/2020 15:44	7/30/2020 4:48	Subtransmission	None	TRK 1303			TREE
7/29/2020 15:52	7/30/2020 10:00	Subtransmission	Distribution	TRK 1303	4	4253	TREE
10/23/2020 15:40	10/23/2020 21:34	Subtransmission	None	TIE 9111			ANIMAL
7/20/2021 8:28	7/20/2021 16:32	Subtransmission	None	TRK 2038			ANIMAL
1/3/2018 10:00	1/3/2018 15:21	Subtransmission	None	TRK 1225			EQUIPMENT FAILURE
1/4/2018 10:30	1/4/2018 21:20	Subtransmission	None	TRK 7913			EQUIPMENT FAILURE
1/11/2018 9:43	1/11/2018 17:46	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
1/21/2018 21:17	1/21/2018 22:09	Subtransmission	None	TRK 2032			EQUIPMENT FAILURE
1/31/2018 15:10	1/31/2018 20:22	Subtransmission	None	TRK 2218			EQUIPMENT FAILURE
2/15/2018 5:40	2/15/2018 10:29	Subtransmission	None	TIE 201			EQUIPMENT FAILURE
2/17/2018 23:00	2/18/2018 1:16	Subtransmission	None	TRK 3632			EQUIPMENT FAILURE
2/20/2018 9:40	2/20/2018 12:09	Subtransmission	None	TIE 3842			EQUIPMENT FAILURE
2/22/2018 11:54	2/22/2018 14:51	Subtransmission	None	TRK 0359			EQUIPMENT FAILURE
3/10/2018 11:50	3/10/2018 19:35	Subtransmission	None	TRK 6938			EQUIPMENT FAILURE
3/10/2018 11:55	3/10/2018 23:28	Subtransmission	None	TRK 6938			EQUIPMENT FAILURE
3/28/2018 0:59	3/28/2018 2:26	Subtransmission	Subtransmission	TRK 465	362	31960	EQUIPMENT FAILURE
3/28/2018 0:59	3/28/2018 2:26	Subtransmission	Subtransmission	TRK 465	358	31586	EQUIPMENT FAILURE
3/28/2018 0:58	3/28/2018 2:26	Subtransmission	Subtransmission	TRK 465	38	3341	EQUIPMENT FAILURE
3/28/2018 0:58	3/28/2018 2:26	Subtransmission	Subtransmission	TRK 465	1183	104727	EQUIPMENT FAILURE
3/28/2018 0:59	3/28/2018 2:26	Subtransmission	Subtransmission	TRK 465	281	24803	EQUIPMENT FAILURE
3/30/2018 9:11	3/30/2018 15:28	Subtransmission	None	TRK 4962			EQUIPMENT FAILURE
4/4/2018 11:31	4/5/2018 7:12	Subtransmission	None	TIE 3203			EQUIPMENT FAILURE
4/14/2018 16:58	4/14/2018 21:21	Subtransmission	None	TIE 2812			EQUIPMENT FAILURE
4/15/2018 13:33	4/16/2018 20:01	Subtransmission	None	TRK 2715			EQUIPMENT FAILURE
4/24/2018 14:52	5/7/2018 16:49	Subtransmission	None	TRK 7106			EQUIPMENT FAILURE
5/3/2018 3:58	5/3/2018 13:41	Subtransmission	None	TRK 1473			EQUIPMENT FAILURE
5/4/2018 13:27	5/9/2018 20:35	Subtransmission	None	TIE 1423			EQUIPMENT FAILURE
5/4/2018 13:54	5/9/2018 14:52	Subtransmission	None	TRK 2648			EQUIPMENT FAILURE
5/5/2018 7:36	5/8/2018 15:11	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
5/19/2018 19:03	5/20/2018 18:34	Subtransmission	None	TRK 1563			EQUIPMENT FAILURE
5/25/2018 15:48	5/27/2018 10:01	Subtransmission	None	TIE 4412			EQUIPMENT FAILURE
6/4/2018 13:49	6/5/2018 0:24	Subtransmission	None	TIE 3402			EQUIPMENT FAILURE
6/7/2018 18:03	6/8/2018 4:48	Subtransmission	None	TRK 3124			EQUIPMENT FAILURE
6/16/2018 6:24	6/16/2018 17:37	Subtransmission	None	TIE 4109			EQUIPMENT FAILURE
7/9/2018 9:18	7/9/2018 12:10	Subtransmission	None	TRK 2002			EQUIPMENT FAILURE
7/15/2018 20:51	7/16/2018 17:34	Subtransmission	None	TRK 2439			EQUIPMENT FAILURE
7/17/2018 9:06	7/17/2018 21:15	Subtransmission	None	TRK 4405			EQUIPMENT FAILURE
7/20/2018 13:31	7/20/2018 19:26	Subtransmission	None	TIE 7504			EQUIPMENT FAILURE
7/26/2018 8:49	7/26/2018 8:56	Subtransmission	None	TIE 1540			EQUIPMENT FAILURE
7/26/2018 14:28	7/26/2018 16:19	Subtransmission	None	TRK 2218			EQUIPMENT FAILURE
7/27/2018 10:28	7/27/2018 19:41	Subtransmission	None	TIE 3209			EQUIPMENT FAILURE
7/29/2018 15:36	7/30/2018 1:45	Subtransmission	None	TRK 7130			EQUIPMENT FAILURE
8/8/2018 3:38	8/8/2018 14:00	Subtransmission	Distribution	TIE 3402	299	179773	EQUIPMENT FAILURE
8/8/2018 3:43	8/8/2018 16:45	Subtransmission	None	TIE 3402			EQUIPMENT FAILURE
8/8/2018 3:48	8/8/2018 14:00	Subtransmission	None	TIE 3402			EQUIPMENT FAILURE
8/8/2018 9:05	8/8/2018 21:00	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
8/8/2018 2:14	8/8/2018 16:13	Subtransmission	None	TRK 3632			EQUIPMENT FAILURE
8/19/2018 13:36	8/19/2018 20:50	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
8/29/2018 7:08	8/29/2018 20:08	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
9/3/2018 7:27	9/4/2018 0:49	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
9/7/2018 9:36	10/1/2018 5:20	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
9/8/2018 13:21	9/8/2018 14:20	Subtransmission	None	TRK 5404			EQUIPMENT FAILURE
9/10/2018 10:12	9/10/2018 17:49	Subtransmission	None	TIE 5526			EQUIPMENT FAILURE
9/10/2018 10:00	9/10/2018 17:46	Subtransmission	None	TIE 5526			EQUIPMENT FAILURE
9/20/2018 9:44	9/20/2018 22:58	Subtransmission	None	TRK 5239			EQUIPMENT FAILURE
9/21/2018 19:37	9/23/2018 11:14	Subtransmission	None	TIE 4428			EQUIPMENT FAILURE
10/1/2018 15:16	10/1/2018 18:06	Subtransmission	None	TIE 9211			EQUIPMENT FAILURE
10/10/2018 19:54	10/11/2018 6:23	Subtransmission	None	TRK 6508			EQUIPMENT FAILURE
10/25/2018 20:57	10/26/2018 21:02	Subtransmission	None	TRK 6759			EQUIPMENT FAILURE
11/6/2018 23:26	11/7/2018 12:07	Subtransmission	None	TRK 2227			EQUIPMENT FAILURE
12/12/2018 11:46	12/12/2018 16:57	Subtransmission	None	TIE 810			EQUIPMENT FAILURE
12/20/2018 0:24	12/20/2018 5:00	Subtransmission	Distribution	TIE 4104	1027	277941	EQUIPMENT FAILURE
12/20/2018 0:42	12/20/2018 7:30	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
12/20/2018 0:24	12/20/2018 5:00	Subtransmission	Distribution	TIE 4104	1097	299611	EQUIPMENT FAILURE
12/20/2018 0:43	12/28/2018 19:56	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
12/20/2018 0:41	12/20/2018 6:33	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
12/20/2018 0:56	12/20/2018 9:18	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
12/23/2018 10:55	12/23/2018 15:19	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
1/14/2019 9:14	1/14/2019 19:14	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
1/18/2019 12:06	1/18/2019 19:16	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
1/19/2019 2:05	1/19/2019 15:48	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
2/2/2019 13:38	2/2/2019 21:20	Subtransmission	None	TRK 5906			EQUIPMENT FAILURE
2/4/2019 20:39	2/5/2019 21:09	Subtransmission	None	TIE 5843			EQUIPMENT FAILURE
2/18/2019 11:28	2/18/2019 23:31	Subtransmission	None	TIE 9211			EQUIPMENT FAILURE
2/24/2019 9:58	2/24/2019 20:34	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
3/6/2019 13:40	3/6/2019 18:02	Subtransmission	None	TIE4105			EQUIPMENT FAILURE
4/11/2019 12:23	4/11/2019 21:04	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
4/19/2019 7:44	4/19/2019 9:18	Subtransmission	None	TIE 4501			EQUIPMENT FAILURE
4/24/2019 12:41	4/26/2019 13:03	Subtransmission	None	TRK 7106			EQUIPMENT FAILURE
4/30/2019 2:28	5/1/2019 13:21	Subtransmission	None	TIE 1467			EQUIPMENT FAILURE
5/21/2019 20:07	5/22/2019 0:03	Subtransmission	None	TIE 6907			EQUIPMENT FAILURE
5/24/2019 14:54	5/24/2019 20:51	Subtransmission	None	TIE 7745			EQUIPMENT FAILURE
6/1/2019 22:19	6/2/2019 13:15	Subtransmission	Distribution	TIE 5829	53	14508	EQUIPMENT FAILURE
6/2/2019 10:15	6/2/2019 14:29	Subtransmission	None	TIE 5829			EQUIPMENT FAILURE
6/3/2019 12:26	6/3/2019 23:54	Subtransmission	None	TRK 4316			EQUIPMENT FAILURE
6/4/2019 16:04	6/5/2019 16:32	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
6/15/2019 16:20	6/16/2019 19:25	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
6/15/2019 16:20	6/16/2019 19:25	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
7/21/2019 7:17	7/22/2019 20:39	Subtransmission	None	TRK 2218			EQUIPMENT FAILURE
7/21/2019 16:17	7/24/2019 16:31	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE
7/22/2019 0:43	7/24/2019 16:29	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE

7/28/2019 15:16	7/28/2019 21:15	Subtransmission	None	TIE 1467			EQUIPMENT FAILURE
7/29/2019 16:21	7/30/2019 6:10	Subtransmission	None	TIE 4708			EQUIPMENT FAILURE
7/29/2019 15:40	7/29/2019 17:40	Subtransmission	Distribution	TIE 4708	586	69766	EQUIPMENT FAILURE
7/29/2019 15:40	7/29/2019 19:00	Subtransmission	Distribution	TIE 4708	3043	363530	EQUIPMENT FAILURE
7/30/2019 12:28	7/30/2019 16:21	Subtransmission	None	TIE 4708			EQUIPMENT FAILURE
8/7/2019 13:23	8/7/2019 20:31	Subtransmission	None	TRK 8215			EQUIPMENT FAILURE
8/8/2019 5:18	8/8/2019 20:32	Subtransmission	Distribution	TIE 9111	439	146393	EQUIPMENT FAILURE
8/8/2019 5:18	8/8/2019 20:30	Subtransmission	Distribution	TIE 9111	296	153803	EQUIPMENT FAILURE
8/14/2019 0:58	8/14/2019 3:09	Subtransmission	None	TIE 3800			EQUIPMENT FAILURE
8/18/2019 16:31	8/19/2019 20:14	Subtransmission	None	TRK 2715			EQUIPMENT FAILURE
8/19/2019 4:40	8/19/2019 11:23	Subtransmission	None	TRK 2715			EQUIPMENT FAILURE
8/26/2019 17:40	8/27/2019 5:50	Subtransmission	None	TRK 3557			EQUIPMENT FAILURE
8/29/2019 23:51	8/30/2019 1:12	Subtransmission	None	TRK 830			EQUIPMENT FAILURE
8/29/2019 23:13	8/30/2019 1:51	Subtransmission	None	TRK 830			EQUIPMENT FAILURE
8/29/2019 23:32	8/30/2019 12:45	Subtransmission	None	TRK 830			EQUIPMENT FAILURE
8/30/2019 0:38	8/30/2019 16:39	Subtransmission	None	TIE 817			EQUIPMENT FAILURE
9/25/2019 10:15	9/26/2019 19:11	Subtransmission	None	TRK 2087			EQUIPMENT FAILURE
9/28/2019 8:25	9/28/2019 17:17	Subtransmission	None	TIE 4523			EQUIPMENT FAILURE
9/28/2019 0:31	9/28/2019 6:20	Subtransmission	Distribution	TRK 1555	1388	488566	EQUIPMENT FAILURE
9/28/2019 0:53	9/28/2019 9:09	Subtransmission	None	TRK 1555			EQUIPMENT FAILURE
10/2/2019 3:16	10/2/2019 6:18	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
10/2/2019 3:14	10/2/2019 17:26	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
10/2/2019 9:56	10/2/2019 18:13	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
10/12/2019 0:10	10/12/2019 14:05	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
10/12/2019 0:12	10/12/2019 13:37	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
10/21/2019 16:47	10/22/2019 0:10	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
10/27/2019 4:11	10/27/2019 15:22	Subtransmission	None	TIE 1540			EQUIPMENT FAILURE
10/28/2019 18:15	10/29/2019 5:30	Subtransmission	None	TIE 1540			EQUIPMENT FAILURE
11/28/2019 9:25	11/29/2019 17:46	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
12/29/2019 23:37	12/30/2019 21:11	Subtransmission	None	TIE 5823			EQUIPMENT FAILURE
12/29/2019 8:00	12/30/2019 13:07	Subtransmission	None	TRK 2659			EQUIPMENT FAILURE
2/11/2020 19:17	2/12/2020 5:52	Subtransmission	None	TRK 7324			EQUIPMENT FAILURE
2/11/2020 19:03	2/12/2020 5:51	Subtransmission	None	TRK 7324			EQUIPMENT FAILURE
3/6/2020 10:55	3/6/2020 19:48	Subtransmission	None	TRK 5917			EQUIPMENT FAILURE
3/6/2020 10:18	3/6/2020 14:56	Subtransmission	Distribution	TRK 5917	22	6366	EQUIPMENT FAILURE
3/10/2020 9:37	3/10/2020 20:35	Subtransmission	None	TRK 2107			EQUIPMENT FAILURE
3/10/2020 5:33	3/10/2020 16:49	Subtransmission	None	TRK 2107			EQUIPMENT FAILURE
3/10/2020 2:27	3/10/2020 5:43	Subtransmission	None	TRK 6722			EQUIPMENT FAILURE
3/14/2020 15:19	3/15/2020 14:46	Subtransmission	None	TIE 3410			EQUIPMENT FAILURE
3/15/2020 13:10	3/18/2020 3:50	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
3/15/2020 14:00	3/15/2020 20:30	Subtransmission	Distribution	TIE 4105	108	1577	EQUIPMENT FAILURE
3/21/2020 0:43	3/21/2020 14:33	Subtransmission	None	TRK 7104			EQUIPMENT FAILURE
3/21/2020 9:03	3/21/2020 12:29	Subtransmission	Distribution	TRK 7104	383	18617	EQUIPMENT FAILURE
3/21/2020 16:07	3/21/2020 17:07	Subtransmission	None	TRK 7104			EQUIPMENT FAILURE
4/2/2020 14:43	4/3/2020 6:52	Subtransmission	None	TIE 1544			EQUIPMENT FAILURE
4/3/2020 10:04	4/3/2020 14:12	Subtransmission	None	TIE 1544			EQUIPMENT FAILURE
4/20/2020 20:56	4/21/2020 0:01	Subtransmission	None	TRK 1232			EQUIPMENT FAILURE
4/20/2020 20:57	4/20/2020 21:12	Subtransmission	None	TRK 1232			EQUIPMENT FAILURE
4/20/2020 21:02	4/21/2020 5:07	Subtransmission	None	TRK 1232			EQUIPMENT FAILURE
4/23/2020 16:43	4/23/2020 23:20	Subtransmission	None	TIE 3410			EQUIPMENT FAILURE
4/29/2020 12:34	4/29/2020 15:31	Subtransmission	None	TRK 2840			EQUIPMENT FAILURE
4/29/2020 11:02	4/29/2020 14:20	Subtransmission	Distribution	TRK 2840			EQUIPMENT FAILURE
4/29/2020 12:28	4/29/2020 13:53	Subtransmission	None	TRK 2840			EQUIPMENT FAILURE
4/29/2020 19:02	4/30/2020 13:04	Subtransmission	None	TRK 2840			EQUIPMENT FAILURE
4/29/2020 12:34	4/30/2020 10:10	Subtransmission	None	TRK 2840			EQUIPMENT FAILURE
5/8/2020 11:02	5/8/2020 15:42	Subtransmission	None	TRK 7035			EQUIPMENT FAILURE
5/12/2020 13:01	5/12/2020 14:33	Subtransmission	None	TIE 3416			EQUIPMENT FAILURE
5/16/2020 2:10	5/16/2020 4:13	Subtransmission	Substation	TIE 4104	108	13174	EQUIPMENT FAILURE
5/16/2020 2:09	5/16/2020 3:33	Subtransmission	Subtransmission	TIE 4104	1095	91992	EQUIPMENT FAILURE
5/16/2020 2:29	5/16/2020 18:42	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
5/20/2020 14:43	5/20/2020 17:00	Subtransmission	None	TIE 3410			EQUIPMENT FAILURE
5/22/2020 11:22	5/22/2020 16:34	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
5/22/2020 13:53	5/22/2020 21:06	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
6/11/2020 23:02	6/16/2020 5:17	Subtransmission	None	TIE 810			EQUIPMENT FAILURE
6/11/2020 21:54	6/12/2020 19:28	Subtransmission	None	TIE 810			EQUIPMENT FAILURE
6/12/2020 18:13	6/12/2020 19:09	Subtransmission	None	TIE 7621			EQUIPMENT FAILURE
6/13/2020 13:02	6/16/2020 14:22	Subtransmission	None	TRK 7717			EQUIPMENT FAILURE
6/23/2020 10:05	6/24/2020 2:48	Subtransmission	None	TRK 2636			EQUIPMENT FAILURE
6/23/2020 5:45	6/26/2020 20:49	Subtransmission	None	TRK 2636			EQUIPMENT FAILURE
6/23/2020 5:48	6/23/2020 13:18	Subtransmission	None	TRK 2636			EQUIPMENT FAILURE
6/27/2020 7:04	6/27/2020 18:00	Subtransmission	Distribution	TRK 2931	530	100007	EQUIPMENT FAILURE
6/27/2020 8:28	6/27/2020 20:27	Subtransmission	None	TRK 2931			EQUIPMENT FAILURE
6/27/2020 7:08	6/27/2020 9:00	Subtransmission	None	TRK 2931			EQUIPMENT FAILURE
6/27/2020 7:38	6/27/2020 17:45	Subtransmission	None	TRK 2931			EQUIPMENT FAILURE
6/27/2020 0:09	6/27/2020 19:30	Subtransmission	Distribution	TRK 2931	2980	2036375	EQUIPMENT FAILURE
7/7/2020 13:03	7/9/2020 17:39	Subtransmission	None	TRK 1243			EQUIPMENT FAILURE
7/10/2020 15:33	7/10/2020 20:15	Subtransmission	Distribution	TRK 7062	5	209	EQUIPMENT FAILURE
7/10/2020 15:08	7/11/2020 19:59	Subtransmission	Distribution	TRK 7062	124	154745	EQUIPMENT FAILURE
7/10/2020 14:41	7/10/2020 16:21	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
7/10/2020 14:59	7/10/2020 16:06	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
7/10/2020 14:58	7/10/2020 16:05	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
7/10/2020 14:57	7/10/2020 16:05	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
7/10/2020 15:36	7/10/2020 20:15	Subtransmission	Distribution	TRK 7062	3	94	EQUIPMENT FAILURE
7/10/2020 15:40	7/10/2020 20:15	Subtransmission	Distribution	TRK 7062	5	220	EQUIPMENT FAILURE
7/10/2020 16:45	7/10/2020 20:15	Subtransmission	Distribution	TRK 7062			EQUIPMENT FAILURE
7/10/2020 14:59	7/10/2020 19:05	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
7/10/2020 14:56	7/10/2020 15:06	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
7/10/2020 14:56	7/10/2020 16:05	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
7/10/2020 14:56	7/10/2020 15:06	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
7/10/2020 15:27	7/10/2020 22:41	Subtransmission	Distribution	TRK 7062	688	268060	EQUIPMENT FAILURE
7/10/2020 15:27	7/10/2020 21:59	Subtransmission	Distribution	TRK 7062	90	34244	EQUIPMENT FAILURE
7/10/2020 16:37	7/11/2020 16:00	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
7/21/2020 7:03	7/21/2020 12:05	Subtransmission	Subtransmission	TIE 3800	804	260177	EQUIPMENT FAILURE
7/21/2020 7:02	7/21/2020 12:05	Subtransmission	Subtransmission	TIE 3800	1088	351092	EQUIPMENT FAILURE
7/21/2020 7:15	7/21/2020 16:22	Subtransmission	None	TIE 3800			EQUIPMENT FAILURE
7/28/2020 9:36	7/28/2020 19:27	Subtransmission	None	TRK 462			EQUIPMENT FAILURE
8/9/2020 19:31	8/10/2020 0:37	Subtransmission	None	TIE 3318			EQUIPMENT FAILURE
8/16/2020 10:24	8/21/2020 22:32	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
8/17/2020 14:01	8/19/2020 11:01	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
8/18/2020 12:32	8/18/2020 18:21	Subtransmission	None	TIE 3209			EQUIPMENT FAILURE
8/28/2020 7:30	8/29/2020 19:05	Subtransmission	None	TRK 2038			EQUIPMENT FAILURE
8/29/2020 22:31	8/30/2020 19:16	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
8/29/2020 22:30	8/30/2020 19:16	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
9/7/2020 3:08	9/7/2020 7:46	Subtransmission	None	TRK 1527			EQUIPMENT FAILURE
9/7/2020 3:03	9/8/2020 5:13	Subtransmission	None	TRK 1527			EQUIPMENT FAILURE

11/1/2020 11:55	11/1/2020 21:20	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
11/13/2020 7:33	11/13/2020 10:43	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
11/13/2020 11:51	11/14/2020 20:04	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
11/13/2020 7:24	11/14/2020 1:01	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
11/15/2020 12:07	11/18/2020 20:00	Subtransmission	Distribution	TIE 1473	116	317176	EQUIPMENT FAILURE
11/15/2020 12:48	11/15/2020 16:00	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
11/16/2020 1:52	11/17/2020 15:51	Subtransmission	None	TRK 1232			EQUIPMENT FAILURE
11/25/2020 13:43	12/2/2020 9:20	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
12/24/2020 3:06	12/24/2020 4:31	Subtransmission	Subtransmission	TRK 6304	599	47975	EQUIPMENT FAILURE
12/24/2020 3:14	12/24/2020 17:59	Subtransmission	None	TRK 6304			EQUIPMENT FAILURE
1/22/2021 8:34	1/22/2021 14:40	Subtransmission	None	TIE 810			EQUIPMENT FAILURE
2/4/2021 12:10	2/4/2021 18:22	Subtransmission	None	TIE 4501			EQUIPMENT FAILURE
2/17/2021 11:15	2/17/2021 14:40	Subtransmission	None	TRK 1134			EQUIPMENT FAILURE
3/11/2021 9:28	3/11/2021 18:40	Subtransmission	None	TIE 3416			EQUIPMENT FAILURE
3/18/2021 15:58	3/19/2021 19:00	Subtransmission	None	TIE 7702			EQUIPMENT FAILURE
3/24/2021 10:22	3/24/2021 21:11	Subtransmission	None	TIE 4708			EQUIPMENT FAILURE
3/28/2021 14:49	3/28/2021 15:40	Subtransmission	Distribution	TIE 3417	607	25514	EQUIPMENT FAILURE
3/28/2021 14:48	3/28/2021 15:40	Subtransmission	Distribution	TIE 3417	180	7103	EQUIPMENT FAILURE
3/28/2021 14:21	3/28/2021 16:20	Subtransmission	Distribution	TIE 3417	617	50571	EQUIPMENT FAILURE
4/29/2021 16:10	4/29/2021 22:38	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
4/29/2021 18:36	4/30/2021 3:20	Subtransmission	None	TRK 7913			EQUIPMENT FAILURE
5/24/2021 0:49	5/24/2021 16:42	Subtransmission	None	TRK 2418			EQUIPMENT FAILURE
5/26/2021 9:15	5/26/2021 21:02	Subtransmission	None	TRK 2255			EQUIPMENT FAILURE
5/28/2021 13:50	5/28/2021 15:10	Subtransmission	Distribution	TIE 3822	51	3835	EQUIPMENT FAILURE
5/28/2021 14:04	5/28/2021 15:22	Subtransmission	None	TIE 3822			EQUIPMENT FAILURE
5/28/2021 14:28	5/28/2021 15:22	Subtransmission	None	TIE 3822			EQUIPMENT FAILURE
5/28/2021 14:12	5/29/2021 7:05	Subtransmission	None	TIE 3822			EQUIPMENT FAILURE
6/12/2021 20:41	6/13/2021 15:13	Subtransmission	None	TIE 4523			EQUIPMENT FAILURE
6/16/2021 13:55	6/16/2021 15:13	Subtransmission	None	TIE 9123			EQUIPMENT FAILURE
6/16/2021 15:06	6/17/2021 5:04	Subtransmission	None	TRK 1229			EQUIPMENT FAILURE
6/28/2021 5:46	6/28/2021 13:04	Subtransmission	None	TRK 2840			EQUIPMENT FAILURE
6/28/2021 5:46	6/28/2021 13:04	Subtransmission	None	TRK 2840			EQUIPMENT FAILURE
6/28/2021 5:58	6/28/2021 9:09	Subtransmission	None	TRK 2840			EQUIPMENT FAILURE
6/28/2021 5:51	6/28/2021 15:37	Subtransmission	None	TRK 2840			EQUIPMENT FAILURE
6/29/2021 19:51	6/30/2021 13:00	Subtransmission	None	TIE 2812			EQUIPMENT FAILURE
6/29/2021 16:13	6/29/2021 20:04	Subtransmission	None	TIE 2812			EQUIPMENT FAILURE
7/7/2021 17:16	7/8/2021 13:57	Subtransmission	None	TRK 2308			EQUIPMENT FAILURE
7/8/2021 15:25	7/9/2021 14:11	Subtransmission	None	TIE 3402			EQUIPMENT FAILURE
7/21/2021 11:22	7/21/2021 13:56	Subtransmission	None	TIE 3800			EQUIPMENT FAILURE
8/3/2021 10:13	8/4/2021 1:32	Subtransmission	None	TRK 6172			EQUIPMENT FAILURE
8/12/2021 15:35	8/16/2021 13:09	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
8/12/2021 11:06	8/13/2021 16:43	Subtransmission	None	TRK 5838			EQUIPMENT FAILURE
9/1/2021 11:11	9/1/2021 23:06	Subtransmission	None	TIE 807			EQUIPMENT FAILURE
9/30/2021 10:21	9/30/2021 12:38	Subtransmission	None	TRK 4911			EQUIPMENT FAILURE
10/3/2021 13:26	10/3/2021 14:46	Subtransmission	None	TRK 6172			EQUIPMENT FAILURE
10/5/2021 17:52	10/6/2021 12:45	Subtransmission	None	TRK 7035			EQUIPMENT FAILURE
10/14/2021 11:11	10/14/2021 15:06	Subtransmission	None	TRK 1518			EQUIPMENT FAILURE
11/30/2021 12:56	11/30/2021 16:01	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
11/30/2021 10:32	11/30/2021 12:41	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
12/5/2021 17:04	12/6/2021 15:29	Subtransmission	None	TRK 2715			EQUIPMENT FAILURE
12/11/2021 19:14	12/13/2021 14:35	Subtransmission	None	TRK 5838			EQUIPMENT FAILURE
1/29/2022 3:39	1/29/2022 20:30	Subtransmission	Distribution	TIE 1473	203	23169	EQUIPMENT FAILURE
1/29/2022 20:32	1/29/2022 22:38	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
1/29/2022 17:56	1/29/2022 22:37	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
1/29/2022 3:49	1/30/2022 19:13	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
1/29/2022 3:41	1/29/2022 14:00	Subtransmission	Distribution	TIE 1473	258	30131	EQUIPMENT FAILURE
1/29/2022 18:45	1/29/2022 22:37	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
1/29/2022 6:29	1/29/2022 9:47	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
1/29/2022 3:39	1/29/2022 14:00	Subtransmission	Distribution	TIE 1473	183	22171	EQUIPMENT FAILURE
3/7/2022 10:02	3/7/2022 14:56	Subtransmission	None	TRK 1248			EQUIPMENT FAILURE
3/18/2022 20:10	3/19/2022 5:58	Subtransmission	None	TRK 4971			EQUIPMENT FAILURE
3/18/2022 20:04	3/19/2022 5:15	Subtransmission	None	TRK 4971			EQUIPMENT FAILURE
3/29/2022 23:00	3/30/2022 1:40	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
3/31/2022 12:30	3/31/2022 20:37	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
4/14/2022 17:28	4/15/2022 16:09	Subtransmission	None	TIE 1568			EQUIPMENT FAILURE
4/23/2022 11:00	4/25/2022 4:35	Subtransmission	None	TIE 3209			EQUIPMENT FAILURE
4/24/2022 18:52	4/25/2022 4:49	Subtransmission	None	TIE 3410			EQUIPMENT FAILURE
5/4/2022 2:14	5/4/2022 12:45	Subtransmission	Substation	TRK 4301	636	101563	EQUIPMENT FAILURE
5/4/2022 2:24	5/4/2022 9:17	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
5/21/2022 10:38	5/21/2022 20:15	Subtransmission	Distribution	TRK 7062	87	53189	EQUIPMENT FAILURE
5/21/2022 10:38	5/21/2022 20:15	Subtransmission	Distribution	TRK 7062	672	411690	EQUIPMENT FAILURE
5/21/2022 10:45	5/21/2022 21:35	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
6/6/2022 16:20	6/7/2022 16:37	Subtransmission	None	TRK 8403			EQUIPMENT FAILURE
6/7/2022 13:43	6/8/2022 4:26	Subtransmission	None	TIE 3822			EQUIPMENT FAILURE
6/7/2022 13:31	6/7/2022 15:54	Subtransmission	Subtransmission	TIE 3822	2482	328297	EQUIPMENT FAILURE
6/7/2022 13:45	6/7/2022 15:54	Subtransmission	Subtransmission	TIE 3822	310	40983	EQUIPMENT FAILURE
6/7/2022 14:12	6/7/2022 16:16	Subtransmission	None	TIE 3822			EQUIPMENT FAILURE
6/7/2022 13:50	6/7/2022 16:26	Subtransmission	None	TIE 3822			EQUIPMENT FAILURE
6/15/2022 15:01	6/15/2022 17:20	Subtransmission	Distribution	TIE 1467	160	25048	EQUIPMENT FAILURE
6/16/2022 9:08	6/16/2022 20:13	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
6/20/2022 21:01	6/22/2022 11:26	Subtransmission	Distribution	TRK 2541			EQUIPMENT FAILURE
6/20/2022 14:02	7/30/2022 15:25	Subtransmission	None	TRK 2541			EQUIPMENT FAILURE
6/20/2022 16:53	6/20/2022 21:37	Subtransmission	Subtransmission	TRK 2541	1356	302942	EQUIPMENT FAILURE
6/20/2022 16:54	6/20/2022 19:06	Subtransmission	Subtransmission	TRK 2541	517	63598	EQUIPMENT FAILURE
6/20/2022 8:53	6/20/2022 20:10	Subtransmission	Subtransmission	TRK 2541	819	160604	EQUIPMENT FAILURE
6/25/2022 17:41	6/25/2022 22:17	Subtransmission	None	TIE 810			EQUIPMENT FAILURE
6/27/2022 13:43	6/29/2022 15:08	Subtransmission	None	TIE 810			EQUIPMENT FAILURE
7/14/2022 16:40	7/15/2022 5:31	Subtransmission	None	TIE 1467			EQUIPMENT FAILURE
7/17/2022 8:19	7/19/2022 6:22	Subtransmission	None	TRK 1444			EQUIPMENT FAILURE
7/20/2022 6:19	7/20/2022 14:51	Subtransmission	None	TIE 1312			EQUIPMENT FAILURE
7/21/2022 17:39	7/22/2022 12:58	Subtransmission	None	TRK 1322			EQUIPMENT FAILURE
7/22/2022 12:39	7/23/2022 12:43	Subtransmission	None	TRK 1322			EQUIPMENT FAILURE
7/22/2022 0:31	7/22/2022 14:00	Subtransmission	None	TRK 7756			EQUIPMENT FAILURE
7/24/2022 15:12	7/24/2022 22:05	Subtransmission	None	TRK 2411			EQUIPMENT FAILURE
7/28/2022 10:08	7/28/2022 18:51	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
8/3/2022 18:07	8/3/2022 20:16	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
8/3/2022 17:42	8/3/2022 20:15	Subtransmission	Distribution	TRK 2027	7	408	EQUIPMENT FAILURE
8/3/2022 18:56	8/4/2022 0:11	Subtransmission	Distribution	TRK 2027	1866	322691	EQUIPMENT FAILURE
8/3/2022 19:17	8/8/2022 14:40	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
8/4/2022 22:49	8/5/2022 13:15	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
8/4/2022 9:24	8/4/2022 15:11	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
8/29/2022 19:50	8/30/2022 20:41	Subtransmission	None	TIE 6907			EQUIPMENT FAILURE
8/30/2022 11:01	9/3/2022 20:18	Subtransmission	None	TRK 1444			EQUIPMENT FAILURE
8/30/2022 10:23	8/31/2022 14:57	Subtransmission	None	TRK 3534			EQUIPMENT FAILURE
8/31/2022 18:16	9/1/2022 21:04	Subtransmission	None	TRK 3534			EQUIPMENT FAILURE

9/1/2022 14:49	9/2/2022 8:20	Subtransmission	None	TRK 5145			EQUIPMENT FAILURE
9/2/2022 10:29	9/3/2022 20:30	Subtransmission	None	TRK 5145			EQUIPMENT FAILURE
9/19/2022 6:01	9/19/2022 21:38	Subtransmission	None	TRK 2719			EQUIPMENT FAILURE
9/20/2022 8:19	9/20/2022 16:32	Subtransmission	None	TRK 1518			EQUIPMENT FAILURE
9/21/2022 10:51	9/23/2022 8:39	Subtransmission	None	TIE 9205			EQUIPMENT FAILURE
9/22/2022 14:11	9/22/2022 16:57	Subtransmission	None	TIE 9205			EQUIPMENT FAILURE
10/26/2022 5:32	10/26/2022 14:30	Subtransmission	Distribution	TIE1340	156	84810	EQUIPMENT FAILURE
10/26/2022 5:32	10/26/2022 7:33	Subtransmission	Distribution	TRK 1340	815	88477	EQUIPMENT FAILURE
10/26/2022 5:32	10/26/2022 7:33	Subtransmission	Distribution	TRK 1340	622	66672	EQUIPMENT FAILURE
10/26/2022 6:00	10/26/2022 11:12	Subtransmission	None	TRK 1340			EQUIPMENT FAILURE
10/26/2022 5:45	10/26/2022 15:09	Subtransmission	None	TRK 1340			EQUIPMENT FAILURE
10/26/2022 7:39	10/26/2022 9:34	Subtransmission	Distribution	TRK 1340			EQUIPMENT FAILURE
10/26/2022 8:05	10/26/2022 8:59	Subtransmission	Distribution	TRK 1340			EQUIPMENT FAILURE
10/27/2022 7:59	10/28/2022 5:46	Subtransmission	None	TRK 7150			EQUIPMENT FAILURE
11/9/2022 7:23	11/9/2022 15:53	Subtransmission	None	TRK 2922			EQUIPMENT FAILURE
1/10/2023 12:29	1/11/2023 12:00	Subtransmission	None	TRK 2038			EQUIPMENT FAILURE
2/15/2023 13:10	2/20/2023 7:17	Subtransmission		TIE 9123			EQUIPMENT FAILURE
2/17/2023 2:07	2/17/2023 14:45	Subtransmission		TRK 3124			EQUIPMENT FAILURE
2/22/2023 18:12	2/25/2023 7:37	Subtransmission		TIE 1540			EQUIPMENT FAILURE
2/22/2023 18:04	2/28/2023 10:32	Subtransmission	Subtransmission	TIE 1540	42	177059	EQUIPMENT FAILURE
2/23/2023 10:49	2/25/2023 7:44	Subtransmission		TIE 1318			EQUIPMENT FAILURE
2/23/2023 6:56	2/25/2023 7:54	Subtransmission		TRK 2237			EQUIPMENT FAILURE
2/23/2023 11:05	2/25/2023 10:35	Subtransmission		TIE 1540			EQUIPMENT FAILURE
2/23/2023 0:38	2/23/2023 21:44	Subtransmission		TRK 2237			EQUIPMENT FAILURE
2/28/2023 20:37	3/3/2023 16:42	Subtransmission		TRK 1467			EQUIPMENT FAILURE
3/3/2023 17:30	3/4/2023 11:20	Subtransmission		TRK 2032			EQUIPMENT FAILURE
3/11/2023 2:19	3/11/2023 20:22	Subtransmission		TRK 2742			EQUIPMENT FAILURE
3/24/2023 3:10	3/24/2023 21:07	Subtransmission	Single Customer	TRK 2455	1	72	EQUIPMENT FAILURE
3/25/2023 18:12	3/27/2023 7:40	Subtransmission		TRK 4301			EQUIPMENT FAILURE
3/27/2023 1:55	3/27/2023 13:48	Subtransmission		TRK 3661			EQUIPMENT FAILURE
4/5/2023 13:35	4/6/2023 18:59	Subtransmission		TRK 2302			EQUIPMENT FAILURE
4/28/2023 11:15	5/2/2023 1:13	Subtransmission		TIE 1318			EQUIPMENT FAILURE
4/29/2023 10:45	4/29/2023 11:30	Subtransmission	Service Secondary	TRK 1418	15	5859	EQUIPMENT FAILURE
4/29/2023 4:11	4/29/2023 11:08	Subtransmission	Subtransmission	TRK 1418	208	81214	EQUIPMENT FAILURE
4/29/2023 2:45	4/29/2023 16:28	Subtransmission		TRK 1418			EQUIPMENT FAILURE
5/2/2023 8:34	6/1/2023 22:27	Subtransmission		TRK 3534			EQUIPMENT FAILURE
5/11/2023 18:31	5/12/2023 5:50	Subtransmission	Circuit Level	TRK 4971	1	771	EQUIPMENT FAILURE
5/23/2023 11:39	6/2/2023 22:27	Subtransmission		TIE 7504			EQUIPMENT FAILURE
5/27/2023 21:50	5/28/2023 13:24	Subtransmission		TIE 1467			EQUIPMENT FAILURE
5/28/2023 14:53	5/28/2023 21:18	Subtransmission	Subtransmission	TIE 1467	1612	50140	EQUIPMENT FAILURE
5/28/2023 14:50	5/28/2023 21:14	Subtransmission	Single Customer	TIE 1467	1	50	EQUIPMENT FAILURE
5/28/2023 15:37	5/28/2023 21:15	Subtransmission	Single Customer	TIE 1467	1	50	EQUIPMENT FAILURE
5/28/2023 15:38	5/28/2023 21:16	Subtransmission	Single Customer	TIE 1467	1	49	EQUIPMENT FAILURE
5/28/2023 15:43	5/28/2023 21:17	Subtransmission	Single Customer	TIE 1467	1	49	EQUIPMENT FAILURE
6/11/2023 18:55	6/13/2023 6:09	Subtransmission		TRK 7078			EQUIPMENT FAILURE
7/13/2023 8:10	7/13/2023 14:38	Subtransmission		TRK 3124			EQUIPMENT FAILURE
7/15/2023 6:57	7/16/2023 13:58	Subtransmission		TRK 5127			EQUIPMENT FAILURE
7/20/2023 23:25	7/24/2023 16:12	Subtransmission		TRK 6919			EQUIPMENT FAILURE
7/20/2023 15:59	7/22/2023 14:09	Subtransmission		TRK 1229			EQUIPMENT FAILURE
7/20/2023 16:30	7/21/2023 10:28	Subtransmission		TRK 1229	1	1500	EQUIPMENT FAILURE
7/20/2023 16:44	7/20/2023 21:25	Subtransmission		TRK 1229			EQUIPMENT FAILURE
7/20/2023 16:48	7/20/2023 21:03	Subtransmission		TRK 1229			EQUIPMENT FAILURE
7/20/2023 17:16	7/22/2023 10:26	Subtransmission		TRK 1229			EQUIPMENT FAILURE
7/20/2023 17:24	7/21/2023 21:50	Subtransmission		TRK 1229			EQUIPMENT FAILURE
7/20/2023 17:31	7/20/2023 20:22	Subtransmission		TRK 1229			EQUIPMENT FAILURE
7/20/2023 17:38	7/22/2023 13:58	Subtransmission		TRK 1229			EQUIPMENT FAILURE
7/20/2023 17:57	7/21/2023 14:20	Subtransmission		TRK 1229			EQUIPMENT FAILURE
7/20/2023 17:56	7/21/2023 21:25	Subtransmission	Device (I)	TRK 1229	22	33407	EQUIPMENT FAILURE
7/20/2023 16:35	7/21/2023 20:50	Subtransmission	Single Customer	TRK 1229			EQUIPMENT FAILURE
7/20/2023 17:31	7/21/2023 21:27	Subtransmission	Single Customer	TRK 1229	1	26	EQUIPMENT FAILURE
7/20/2023 18:11	7/21/2023 21:27	Subtransmission	Single Customer	TRK 1229			EQUIPMENT FAILURE
7/21/2023 17:03	7/22/2023 14:01	Subtransmission		TRK 1229			EQUIPMENT FAILURE
7/22/2023 19:25	7/22/2023 21:05	Subtransmission		TRK 6919			EQUIPMENT FAILURE
7/22/2023 21:23	7/29/2023 16:57	Subtransmission		TRK 6919			EQUIPMENT FAILURE
7/26/2023 19:23	7/27/2023 10:36	Subtransmission		TIE 6517			EQUIPMENT FAILURE
7/26/2023 18:58	7/28/2023 17:07	Subtransmission		TRK 2035			EQUIPMENT FAILURE
7/26/2023 17:59	7/28/2023 16:59	Subtransmission		TRK 5526			EQUIPMENT FAILURE
7/26/2023 16:34	8/14/2023 19:28	Subtransmission		TIE 3205			EQUIPMENT FAILURE
7/26/2023 17:05	7/29/2023 4:23	Subtransmission		TIE 3402			EQUIPMENT FAILURE
7/26/2023 15:58	7/28/2023 13:05	Subtransmission		TRK 5906			EQUIPMENT FAILURE
7/26/2023 15:35	7/27/2023 16:19	Subtransmission		TRK 5906			EQUIPMENT FAILURE
7/26/2023 15:40	7/27/2023 16:14	Subtransmission		TRK 5906			EQUIPMENT FAILURE
7/26/2023 15:53	7/27/2023 16:13	Subtransmission		TRK 5906			EQUIPMENT FAILURE
7/26/2023 15:58	7/27/2023 16:12	Subtransmission		TRK 5906			EQUIPMENT FAILURE
7/26/2023 16:06	7/28/2023 13:35	Subtransmission		TRK 5906			EQUIPMENT FAILURE
7/26/2023 18:15	8/3/2023 17:09	Subtransmission		TRK 5906			EQUIPMENT FAILURE
7/26/2023 16:02	7/27/2023 16:12	Subtransmission	Circuit Level	TRK 5906	1867	2420381	EQUIPMENT FAILURE
7/26/2023 16:41	7/27/2023 10:23	Subtransmission	Circuit Level	TRK 5906	864	1220349	EQUIPMENT FAILURE
7/26/2023 16:05	7/28/2023 14:34	Subtransmission	Device (II)	TRK 5906	54	133803	EQUIPMENT FAILURE
7/26/2023 16:34	7/28/2023 12:22	Subtransmission	Single Customer	TRK 5906			EQUIPMENT FAILURE
7/30/2023 0:56	8/24/2023 5:21	Subtransmission		TIE 3107			EQUIPMENT FAILURE
8/9/2023 14:49	8/11/2023 13:26	Subtransmission		TIE 4105			EQUIPMENT FAILURE
8/15/2023 5:23	8/24/2023 5:24	Subtransmission		TRK 2005			EQUIPMENT FAILURE
8/16/2023 15:05	8/17/2023 12:00	Subtransmission		TRK 2025			EQUIPMENT FAILURE
8/17/2023 13:43	8/17/2023 18:23	Subtransmission		TIE 9303	1	104	EQUIPMENT FAILURE
8/17/2023 15:19	8/17/2023 16:53	Subtransmission	Single Customer	TIE 9303			EQUIPMENT FAILURE
8/17/2023 15:25	8/17/2023 16:54	Subtransmission	Single Customer	TIE 9303	1	105	EQUIPMENT FAILURE
8/17/2023 15:25	8/17/2023 16:55	Subtransmission	Single Customer	TIE 9303			EQUIPMENT FAILURE
8/17/2023 15:26	8/17/2023 16:55	Subtransmission	Single Customer	TIE 9303	1	105	EQUIPMENT FAILURE
8/17/2023 15:31	8/17/2023 16:55	Subtransmission	Single Customer	TIE 9303			EQUIPMENT FAILURE
8/17/2023 15:35	8/17/2023 16:55	Subtransmission	Single Customer	TIE 9303	1	105	EQUIPMENT FAILURE
8/17/2023 15:49	8/17/2023 16:57	Subtransmission	Single Customer	TIE 9303	1	105	EQUIPMENT FAILURE
8/17/2023 16:05	8/17/2023 16:58	Subtransmission	Single Customer	TIE 9303	1	105	EQUIPMENT FAILURE
8/17/2023 16:11	8/17/2023 16:59	Subtransmission	Single Customer	TIE 9303			EQUIPMENT FAILURE
8/17/2023 16:28	8/17/2023 16:59	Subtransmission	Single Customer	TIE 9303	1	105	EQUIPMENT FAILURE
8/17/2023 16:43	8/17/2023 16:58	Subtransmission	Single Customer	TIE 9303	1	105	EQUIPMENT FAILURE
8/17/2023 16:44	8/17/2023 16:59	Subtransmission	Single Customer	TIE 9303			EQUIPMENT FAILURE
8/17/2023 14:22	8/17/2023 16:49	Subtransmission		TIE 9303	1	104	EQUIPMENT FAILURE
8/17/2023 13:31	8/17/2023 16:39	Subtransmission	Subtransmission	TIE 9303	1508	158104	EQUIPMENT FAILURE
8/17/2023 14:24	8/17/2023 16:49	Subtransmission		TIE 9303			EQUIPMENT FAILURE
8/17/2023 13:53	8/17/2023 18:07	Subtransmission		TIE 9303	1	104	EQUIPMENT FAILURE
8/17/2023 13:35	8/17/2023 18:24	Subtransmission		TIE 9303			EQUIPMENT FAILURE
8/17/2023 13:36	8/17/2023 18:21	Subtransmission		TIE 9303	1	104	EQUIPMENT FAILURE
8/17/2023 14:47	8/17/2023 16:49	Subtransmission		TIE 9303			EQUIPMENT FAILURE
8/17/2023 13:44	8/18/2023 5:54	Subtransmission		TIE 9303			EQUIPMENT FAILURE

8/17/2023 13:48	8/17/2023 21:00	Subtransmission		TIE 9303			EQUIPMENT FAILURE
8/17/2023 12:00	2/8/2024 22:39	Subtransmission		TRK 2025			EQUIPMENT FAILURE
8/24/2023 23:35	8/27/2023 1:54	Subtransmission		TIE 7430			EQUIPMENT FAILURE
8/24/2023 23:44	8/29/2023 21:17	Subtransmission		TIE 1224			EQUIPMENT FAILURE
8/24/2023 18:33	8/29/2023 20:43	Subtransmission		TIE 1224			EQUIPMENT FAILURE
8/25/2023 2:09	8/29/2023 1:16	Subtransmission		TRK 2218			EQUIPMENT FAILURE
8/25/2023 3:05	8/29/2023 1:14	Subtransmission		TIE 1224			EQUIPMENT FAILURE
8/25/2023 1:51	8/29/2023 1:18	Subtransmission		TRK 2806			EQUIPMENT FAILURE
8/25/2023 5:39	8/25/2023 20:15	Subtransmission		TRK 3124			EQUIPMENT FAILURE
8/27/2023 15:23	8/29/2023 1:17	Subtransmission		TRK 2301			EQUIPMENT FAILURE
8/29/2023 2:00	8/31/2023 20:13	Subtransmission		TRK 2931			EQUIPMENT FAILURE
8/30/2023 4:02	9/15/2023 23:17	Subtransmission		TRK 1322			EQUIPMENT FAILURE
9/5/2023 20:35	9/6/2023 3:08	Subtransmission	Subtransmission	TRK 1444			EQUIPMENT FAILURE
9/12/2023 4:03	9/12/2023 19:20	Subtransmission	Device (II)	TIE 4105			EQUIPMENT FAILURE
10/1/2023 18:59	10/2/2023 10:53	Subtransmission		TIE 4105			EQUIPMENT FAILURE
10/4/2023 15:20	10/5/2023 5:48	Subtransmission		TRK 7104			EQUIPMENT FAILURE
10/25/2023 12:04	10/25/2023 15:56	Subtransmission	Substation	TRK 2319	4959	660827	EQUIPMENT FAILURE
11/17/2023 11:24	11/18/2023 2:03	Subtransmission		TRK 2715			EQUIPMENT FAILURE
11/17/2023 11:16	11/17/2023 16:55	Subtransmission		TRK 2715			EQUIPMENT FAILURE
11/17/2023 17:04	11/17/2023 20:41	Subtransmission	Device (II)	TRK 2715	84	43537	EQUIPMENT FAILURE
11/17/2023 15:25	11/17/2023 22:51	Subtransmission	Single Customer	TRK 2715			EQUIPMENT FAILURE
11/17/2023 14:49	11/17/2023 20:48	Subtransmission	Device (II)	TRK 2715	115	47139	EQUIPMENT FAILURE
12/9/2023 13:57	12/10/2023 8:25	Subtransmission		TIE 1568			EQUIPMENT FAILURE
12/12/2023 10:38	12/12/2023 20:04	Subtransmission		TIE 6138			EQUIPMENT FAILURE
2/23/2023 19:33	2/25/2023 7:56	Subtransmission		TRK 2931			ICE
10/23/2020 8:15	10/23/2020 13:48	Subtransmission	None	TIE 9111			LIGHTNING
10/23/2020 15:30	10/23/2020 17:25	Subtransmission	Distribution	TIE 9111	299	33906	LIGHTNING
10/23/2020 14:55	10/23/2020 17:25	Subtransmission	Distribution	TIE 9111	483	71760	LIGHTNING
10/23/2020 15:32	10/24/2020 18:51	Subtransmission	None	TIE 9111			LIGHTNING
6/10/2020 17:20	6/10/2020 18:06	Subtransmission	None	TIE 9303			NO ISSUES FOUND
7/2/2020 18:30	7/3/2020 14:54	Subtransmission	None	TRK 6304			PUBLIC INTERFERENCE
7/2/2020 18:34	7/3/2020 2:38	Subtransmission	None	TRK 6304			PUBLIC INTERFERENCE
8/21/2020 8:54	8/21/2020 12:00	Subtransmission	None	TRK 1418			PUBLIC INTERFERENCE
10/12/2020 20:29	10/12/2020 21:18	Subtransmission	Distribution	TIE 6621			PUBLIC INTERFERENCE
10/12/2020 20:32	10/12/2020 21:07	Subtransmission	Distribution	TIE 6621			PUBLIC INTERFERENCE
10/12/2020 20:47	10/13/2020 15:38	Subtransmission	None	TIE 6621			PUBLIC INTERFERENCE
10/12/2020 20:31	10/12/2020 21:13	Subtransmission	Distribution	TIE 6621			PUBLIC INTERFERENCE
11/5/2020 17:33	11/6/2020 19:36	Subtransmission	None	TRK 824			PUBLIC INTERFERENCE
4/15/2018 10:00	4/18/2018 20:51	Subtransmission	None	TIE 1540			TREE
4/15/2018 8:55	4/18/2018 20:30	Subtransmission	Distribution	TIE 1540	1	4956	TREE
5/4/2018 14:35	5/9/2018 20:16	Subtransmission	None	TRK 1303			TREE
5/4/2018 13:15	5/5/2018 20:00	Subtransmission	Distribution	TRK 1303	1176	2099911	TREE
5/6/2018 21:09	5/9/2018 3:30	Subtransmission	None	TRK 4419			TREE
8/28/2018 22:00	8/29/2018 5:19	Subtransmission	None	TIE 3205			TREE
8/29/2018 14:26	8/29/2018 20:13	Subtransmission	None	TIE 3205			TREE
10/20/2018 21:13	10/22/2018 19:52	Subtransmission	None	TIE 3323			TREE
11/26/2018 10:35	11/26/2018 19:22	Subtransmission	None	TIE 4104			TREE
11/26/2018 6:16	11/26/2018 21:16	Subtransmission	None	TIE 4105			TREE
11/26/2018 8:58	11/26/2018 10:40	Subtransmission	None	TIE 4105			TREE
11/26/2018 6:13	11/26/2018 9:18	Subtransmission	None	TIE 4105			TREE
11/26/2018 12:14	11/26/2018 19:56	Subtransmission	None	TIE 4105			TREE
11/26/2018 12:01	11/26/2018 16:05	Subtransmission	Distribution	TIE 4105	419	101647	TREE
1/7/2019 15:25	1/7/2019 23:21	Subtransmission	Distribution	TIE 3205	576	273468	TREE
1/7/2019 15:25	1/7/2019 23:21	Subtransmission	Distribution	TIE 3205	460	218986	TREE
1/7/2019 16:27	1/8/2019 20:14	Subtransmission	None	TIE 3205			TREE
2/8/2019 5:51	2/9/2019 7:08	Subtransmission	None	TIE 3208			TREE
3/10/2019 15:15	3/10/2019 20:40	Subtransmission	None	TIE 3410			TREE
3/30/2019 12:41	3/31/2019 19:49	Subtransmission	None	TIE 3205			TREE
4/14/2019 22:27	4/15/2019 10:02	Subtransmission	Distribution	TIE 3416	730	77931	TREE
4/15/2019 1:17	4/15/2019 18:50	Subtransmission	None	TIE 3416			TREE
4/15/2019 0:47	4/15/2019 5:34	Subtransmission	None	TIE 3416			TREE
5/23/2019 6:52	5/23/2019 21:25	Subtransmission	None	TIE 8014			TREE
7/4/2019 8:12	7/4/2019 18:43	Subtransmission	None	TIE 1467			TREE
7/17/2019 8:00	7/18/2019 1:11	Subtransmission	None	TRK 2087			TREE
8/18/2019 19:48	8/19/2019 5:14	Subtransmission	None	TRK 2027			TREE
8/18/2019 16:32	8/19/2019 1:02	Subtransmission	None	TRK 2027			TREE
8/18/2019 23:50	8/19/2019 15:00	Subtransmission	Distribution	TRK 2027	5	4088	TREE
8/19/2019 12:36	8/19/2019 15:20	Subtransmission	None	TRK 2027			TREE
11/1/2019 19:44	11/2/2019 13:22	Subtransmission	None	TIE 3205			TREE
12/23/2019 9:49	12/23/2019 20:55	Subtransmission	None	TIE 7430			TREE
12/23/2019 9:27	12/23/2019 13:40	Subtransmission	Distribution	TIE 7430	812	205389	TREE
1/11/2020 10:56	1/11/2020 11:40	Subtransmission	Distribution	TIE 1473	2	89	TREE
1/11/2020 11:31	1/11/2020 16:37	Subtransmission	None	TIE 1473			TREE
4/9/2020 12:42	4/9/2020 20:49	Subtransmission	None	TRK 2005			TREE
4/10/2020 22:00	4/11/2020 5:19	Subtransmission	None	TIE 4104			TREE
4/29/2020 14:53	4/30/2020 13:31	Subtransmission	None	TRK 7717			TREE
6/10/2020 17:08	6/10/2020 19:06	Subtransmission	None	TIE 9303			TREE
6/10/2020 17:19	6/11/2020 1:22	Subtransmission	Distribution	TIE 9303	1983	410278	TREE
6/10/2020 17:07	6/10/2020 20:57	Subtransmission	None	TIE 9303			TREE
6/10/2020 15:31	6/11/2020 19:30	Subtransmission	Distribution	TIE 9303	1052	450288	TREE
6/27/2020 0:14	6/27/2020 16:25	Subtransmission	Distribution	TIE 1467	274	268371	TREE
6/27/2020 0:14	6/27/2020 16:25	Subtransmission	Distribution	TIE 1467	756	438331	TREE
6/27/2020 1:48	6/27/2020 15:04	Subtransmission	None	TIE 1467			TREE
6/27/2020 22:12	6/28/2020 20:44	Subtransmission	None	TRK 2010			TREE
7/19/2020 22:16	7/20/2020 15:46	Subtransmission	None	TRK 2025			TREE
7/20/2020 11:10	7/20/2020 21:46	Subtransmission	None	TIE 7733			TREE
9/8/2020 9:16	9/8/2020 17:39	Subtransmission	None	TIE 1473			TREE
9/8/2020 8:43	9/8/2020 16:10	Subtransmission	Distribution	TIE 1473	979	278047	TREE
9/28/2020 23:37	9/29/2020 15:55	Subtransmission	None	TIE 4605			TREE
10/7/2020 14:13	10/7/2020 19:31	Subtransmission	None	TIE 4523			TREE
11/16/2020 9:12	11/17/2020 20:59	Subtransmission	None	TIE 4105			TREE
5/7/2021 19:57	5/8/2021 15:42	Subtransmission	None	TIE 1473			TREE
5/7/2021 17:03	5/8/2021 3:31	Subtransmission	None	TIE 1473			TREE
5/8/2021 8:42	5/8/2021 17:46	Subtransmission	None	TIE 1473			TREE
7/6/2021 18:59	7/7/2021 20:00	Subtransmission	Distribution	TRK 6759	1457	1916030	TREE
7/6/2021 18:58	7/7/2021 20:00	Subtransmission	Distribution	TRK 6759	43	25173	TREE
7/6/2021 19:30	7/7/2021 20:30	Subtransmission	None	TRK 6759			TREE
7/6/2021 19:22	7/7/2021 2:57	Subtransmission	None	TRK 6759			TREE
7/6/2021 21:22	7/7/2021 6:15	Subtransmission	Distribution	TRK 7909	1	199	TREE
7/6/2021 23:02	7/7/2021 0:43	Subtransmission	None	TRK 7909			TREE
7/6/2021 22:12	7/6/2021 23:24	Subtransmission	None	TRK 7909			TREE
7/6/2021 21:06	7/7/2021 2:19	Subtransmission	Distribution	TRK 7909	865	182435	TREE
7/6/2021 21:12	7/8/2021 18:20	Subtransmission	None	TRK 7909			TREE
7/6/2021 21:18	7/8/2021 16:23	Subtransmission	None	TRK 7909			TREE
7/6/2021 21:30	7/7/2021 17:10	Subtransmission	Distribution	TRK 7909	8	2898	TREE

7/6/2021 21:16	7/7/2021 22:43	Subtransmission	Distribution	TRK 7909	2426	1901741	TREE
7/6/2021 23:46	7/7/2021 5:43	Subtransmission	None	TRK 7909			TREE
7/6/2021 21:17	7/7/2021 16:36	Subtransmission	Distribution	TRK 7909	1851	664941	TREE
7/6/2021 21:56	7/7/2021 17:45	Subtransmission	Distribution	TRK 7909	1264	539725	TREE
7/6/2021 21:15	7/7/2021 16:36	Subtransmission	Distribution	TRK 7909	3073	1060910	TREE
7/7/2021 15:09	7/9/2021 3:30	Subtransmission	Subtransmission	TIE 4505	182	332478	TREE
7/7/2021 21:34	7/8/2021 14:42	Subtransmission	None	TRK 6759			TREE
7/7/2021 11:42	7/7/2021 16:42	Subtransmission	None	TRK 6759			TREE
7/7/2021 13:16	7/8/2021 2:21	Subtransmission	None	TRK 7909			TREE
7/7/2021 11:57	7/7/2021 16:36	Subtransmission	Distribution	TRK 7909	789	163081	TREE
7/24/2021 22:38	7/26/2021 19:06	Subtransmission	None	TIE 6117			TREE
12/11/2021 14:07	12/12/2021 13:30	Subtransmission	Distribution	TIE4105	692	944027	TREE
12/11/2021 8:27	12/12/2021 15:00	Subtransmission	Distribution	TIE4105	691	948253	TREE
3/31/2022 10:04	3/31/2022 20:26	Subtransmission	None	TIE 3203			TREE
3/31/2022 16:12	4/1/2022 21:00	Subtransmission	None	TIE 3203			TREE
3/31/2022 9:59	4/1/2022 21:00	Subtransmission	None	TIE 3203			TREE
7/20/2022 21:20	7/21/2022 9:05	Subtransmission	None	TIE 6907			TREE
7/20/2022 14:49	7/21/2022 5:40	Subtransmission	None	TIE 6907			TREE
8/29/2022 19:55	8/30/2022 15:59	Subtransmission	None	TIE 810			TREE
8/29/2022 18:21	8/30/2022 21:00	Subtransmission	Distribution	TIE 810	327	531671	TREE
8/30/2022 20:44	9/1/2022 14:11	Subtransmission	Distribution	TIE 4523	8	31816	TREE
8/30/2022 9:11	8/31/2022 18:03	Subtransmission	None	TIE 4523			TREE
8/30/2022 10:55	8/31/2022 20:54	Subtransmission	None	TIE 4523			TREE
11/5/2022 19:23	11/7/2022 15:31	Subtransmission	None	TIE 1473			TREE
11/5/2022 13:19	11/5/2022 16:29	Subtransmission	None	TIE 1473			TREE
11/5/2022 12:11	11/5/2022 18:00	Subtransmission	Distribution	TIE4105	708	248730	TREE
12/15/2022 0:53	12/15/2022 2:18	Subtransmission	None	TIE 3205			TREE
12/15/2022 0:34	12/15/2022 15:04	Subtransmission	None	TIE 3205			TREE
12/23/2022 12:51	12/23/2022 16:53	Subtransmission	None	TIE 3205			TREE
2/16/2023 16:51	2/17/2023 3:55	Subtransmission		TIE 3245			TREE
5/31/2023 12:47	2/16/2024 22:39	Subtransmission		TIE 2025			TREE
8/23/2023 9:15	8/24/2023 21:16	Subtransmission		TIE 9123			TREE
8/23/2023 8:47	8/23/2023 19:53	Subtransmission	Subtransmission	TIE 9123	1402	658293	TREE
8/24/2023 20:22	8/25/2023 16:31	Subtransmission		TIE 1531			TREE
8/24/2023 22:21	8/25/2023 21:32	Subtransmission		TIE 4523			TREE
8/24/2023 22:26	8/25/2023 23:02	Subtransmission	Device (II)	TIE 6621	49	41607	TREE
8/24/2023 22:15	8/25/2023 20:11	Subtransmission	Device (I)	TIE 6621	25	27380	TREE
8/24/2023 22:14	8/25/2023 20:11	Subtransmission	Device (I)	TIE 6621	9	9681	TREE
8/24/2023 23:40	8/26/2023 12:43	Subtransmission		TIE 6621			TREE
8/24/2023 22:16	8/26/2023 6:24	Subtransmission	Subtransmission	TIE 6621	7399	8054275	TREE
8/24/2023 1:57	8/27/2023 12:57	Subtransmission	Device (II)	TIE 7621	215	535969	TREE
8/24/2023 21:56	8/27/2023 19:55	Subtransmission	Device (II)	TIE 7621	66	260342	TREE
8/24/2023 21:59	8/27/2023 14:45	Subtransmission	Device (II)	TIE 7621	93	344061	TREE
8/24/2023 22:19	8/26/2023 11:40	Subtransmission		TIE 7621			TREE
8/24/2023 2:23	8/27/2023 12:57	Subtransmission	Device (I)	TIE 7621	21	102970	TREE
8/24/2023 1:38	8/27/2023 22:48	Subtransmission	Device (II)	TIE 7621	3	15965	TREE
8/24/2023 22:31	8/27/2023 20:02	Subtransmission	Device (II)	TRK 4301	136	556241	TREE
8/24/2023 22:38	8/26/2023 21:38	Subtransmission	Circuit Level	TRK 462	461	1238045	TREE
8/24/2023 22:49	8/26/2023 20:36	Subtransmission	Circuit Level	TRK 462	928	2523101	TREE
8/24/2023 22:35	8/27/2023 15:38	Subtransmission		TRK 8215			TREE
8/24/2023 22:37	8/26/2023 20:05	Subtransmission	Circuit Level	TRK 8215	1273	1697135	TREE
8/25/2023 7:00	8/26/2023 20:08	Subtransmission		TIE 4523			TREE
8/25/2023 20:05	8/27/2023 20:57	Subtransmission	Device (I)	TIE 1531	25	104021	TREE
8/25/2023 0:14	8/27/2023 10:54	Subtransmission	Device (II)	TIE 7621	29	101616	TREE
8/25/2023 0:24	8/27/2023 12:59	Subtransmission	Service Transformer	TIE 7621	2	7008	TREE
8/25/2023 1:37	8/29/2023 15:10	Subtransmission		TRK 6508			TREE
8/26/2023 7:08	8/27/2023 19:02	Subtransmission		TIE 1531			TREE
8/26/2023 5:04	8/26/2023 13:02	Subtransmission		TIE 7621	1	2375	TREE
11/12/2023 11:08	11/13/2023 15:54	Subtransmission		TIE 4605			TREE
11/12/2023 10:57	11/12/2023 15:15	Subtransmission	Circuit Level	TIE 4605	1570	142571	TREE
11/21/2023 7:59	11/21/2023 16:04	Subtransmission		TIE 6907			TREE
11/21/2023 8:05	11/21/2023 10:12	Subtransmission	Device (II)	TIE 6907			TREE
2/23/2023 18:59	2/25/2023 7:12	Subtransmission		TIE 4104			WIND
2/14/2020 5:03	2/14/2020 17:30	Subtransmission	None	TRK 1527			EQUIPMENT FAILURE
2/14/2020 4:42	2/14/2020 8:30	Subtransmission	Distribution	TRK 1527	1811	295046	EQUIPMENT FAILURE
6/3/2021 20:57	6/4/2021 0:30	Subtransmission	None	TRK 2087			EQUIPMENT FAILURE
3/1/2018 14:40	3/1/2018 23:32	Subtransmission	None	TRK 1525			EQUIPMENT FAILURE
3/1/2018 14:16	3/1/2018 23:31	Subtransmission	None	TRK 1525			EQUIPMENT FAILURE
4/26/2018 6:35	4/26/2018 9:02	Subtransmission	Distribution	TRK 4962	963	142576	EQUIPMENT FAILURE
4/26/2018 6:35	4/26/2018 9:02	Subtransmission	Distribution	TRK 4962	276	40794	EQUIPMENT FAILURE
4/26/2018 6:35	4/26/2018 9:52	Subtransmission	Distribution	TRK 4962	2574	507342	EQUIPMENT FAILURE
4/26/2018 6:35	4/26/2018 9:52	Subtransmission	Distribution	TRK 4962	3160	622408	EQUIPMENT FAILURE
7/12/2018 16:53	7/12/2018 22:30	Subtransmission	Distribution	TIE 5513	612	70466	EQUIPMENT FAILURE
6/6/2019 12:25	6/6/2019 17:28	Subtransmission	None	TIE 226			EQUIPMENT FAILURE
2/9/2020 12:47	2/10/2020 20:26	Subtransmission	None	TRK 7130			EQUIPMENT FAILURE
2/11/2020 6:55	2/17/2020 18:54	Subtransmission	None	TRK 7130			EQUIPMENT FAILURE
3/29/2022 19:33	3/29/2022 20:57	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
5/10/2020 9:53	5/10/2020 11:20	Subtransmission	Distribution	TRK 5906	2	113	ANIMAL
5/10/2020 9:58	5/10/2020 10:06	Subtransmission	None	TRK 5906			ANIMAL
5/10/2020 17:58	5/10/2020 21:05	Subtransmission	Distribution	TRK 5906			ANIMAL
5/10/2020 9:53	5/10/2020 11:00	Subtransmission	Distribution	TRK 5906	69	3803	ANIMAL
5/24/2022 9:41	5/24/2022 10:16	Subtransmission	Distribution	TRK 6919	20	629	ANIMAL
6/14/2022 8:59	6/15/2022 14:07	Subtransmission	None	TRK 6919			ANIMAL
5/1/2018 9:37	5/1/2018 14:27	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
10/20/2018 13:42	10/20/2018 15:30	Subtransmission	Subtransmission	TIE 6147	2040	242916	EQUIPMENT FAILURE
10/11/2019 10:24	10/11/2019 14:51	Subtransmission	None	TRK 6125			EQUIPMENT FAILURE
5/20/2020 18:48	5/21/2020 0:00	Subtransmission	Distribution	TRK 2233	8	803	EQUIPMENT FAILURE
5/20/2020 19:05	5/21/2020 5:00	Subtransmission	Distribution	TRK 2233	1	101	EQUIPMENT FAILURE
5/20/2020 18:48	5/21/2020 3:00	Subtransmission	Distribution	TRK 2233	9	903	EQUIPMENT FAILURE
5/20/2020 19:08	5/20/2020 22:12	Subtransmission	None	TRK 2233			EQUIPMENT FAILURE
1/19/2021 14:49	1/19/2021 21:29	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
1/19/2021 17:03	1/20/2021 3:02	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
6/16/2022 17:53	6/16/2022 20:57	Subtransmission	None	TRK 3546			EQUIPMENT FAILURE
7/31/2021 22:35	8/1/2021 12:48	Subtransmission	Distribution	TIE 3417	1	868	LIGHTNING
3/1/2018 20:57	3/3/2018 12:14	Subtransmission	None	TRK 2806			TREE
3/1/2018 22:42	3/2/2018 1:00	Subtransmission	Distribution	TRK 2806	125	21371	TREE
3/1/2018 23:18	3/3/2018 16:50	Subtransmission	Distribution	TRK 2806	15	36642	TREE
8/11/2021 23:24	8/12/2021 18:11	Subtransmission	None	TIE 4105			TREE
11/30/2022 10:07	11/30/2022 15:10	Subtransmission	Distribution	TIE 1568	85	9085	TREE
11/30/2022 10:25	11/30/2022 11:29	Subtransmission	None	TIE 1568			TREE
10/7/2018 12:49	10/8/2018 11:08	Subtransmission	None	TRK 4911			ANIMAL
7/9/2019 7:41	7/9/2019 15:27	Subtransmission	None	TRK 1323			ANIMAL
12/8/2019 6:07	12/8/2019 16:48	Subtransmission	None	TRK 853			ANIMAL
7/3/2021 15:43	7/3/2021 19:40	Subtransmission	None	TRK 6125			ANIMAL
8/3/2021 6:40	8/3/2021 9:00	Subtransmission	None	TRK 1563			ANIMAL

1/12/2018 12:18	1/12/2018 17:44	Subtransmission	None	TIE 3402			EQUIPMENT FAILURE
3/17/2018 16:42	3/17/2018 19:44	Subtransmission	None	TIE 4109			EQUIPMENT FAILURE
3/17/2018 15:46	3/19/2018 4:02	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
3/17/2018 10:47	3/17/2018 18:19	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
3/17/2018 10:56	3/18/2018 0:01	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
3/27/2018 5:25	3/27/2018 18:15	Subtransmission	None	TRK 4416			EQUIPMENT FAILURE
4/15/2018 12:17	4/18/2018 1:01	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
5/4/2018 14:04	5/10/2018 11:24	Subtransmission	None	TRK 2308			EQUIPMENT FAILURE
5/4/2018 14:44	5/5/2018 16:12	Subtransmission	None	TRK 2308			EQUIPMENT FAILURE
5/5/2018 16:54	5/8/2018 11:43	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
6/5/2018 17:37	6/7/2018 11:40	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
6/27/2018 8:47	6/27/2018 13:40	Subtransmission	Distribution	TIE 6138	1537	256545	EQUIPMENT FAILURE
6/27/2018 17:50	6/27/2018 18:01	Subtransmission	Distribution	TIE 6138	940	11690	EQUIPMENT FAILURE
6/27/2018 17:50	6/27/2018 18:01	Subtransmission	Distribution	TIE 6138	627	7787	EQUIPMENT FAILURE
6/27/2018 9:01	6/27/2018 10:34	Subtransmission	Distribution	TIE 6138	1596	119703	EQUIPMENT FAILURE
6/27/2018 8:36	6/28/2018 17:35	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
6/27/2018 9:02	6/27/2018 13:45	Subtransmission	Distribution	TIE 6138	614	163602	EQUIPMENT FAILURE
6/27/2018 9:00	6/27/2018 10:15	Subtransmission	Distribution	TIE 6138	1347	97753	EQUIPMENT FAILURE
6/27/2018 9:00	6/27/2018 10:16	Subtransmission	Distribution	TIE 6138	2388	179965	EQUIPMENT FAILURE
8/2/2018 14:12	8/3/2018 15:31	Subtransmission	None	TRK 2713			EQUIPMENT FAILURE
8/19/2018 19:18	8/19/2018 22:36	Subtransmission	None	TRK 5938			EQUIPMENT FAILURE
11/9/2018 7:07	11/9/2018 18:22	Subtransmission	None	TIE 2621			EQUIPMENT FAILURE
12/27/2018 20:55	12/30/2018 19:46	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
1/22/2019 20:42	1/23/2019 6:58	Subtransmission	None	TRK 2002			EQUIPMENT FAILURE
2/7/2019 21:08	2/9/2019 15:02	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
2/8/2019 8:30	2/8/2019 20:48	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
3/9/2019 18:53	3/10/2019 13:39	Subtransmission	None	TIE 6147			EQUIPMENT FAILURE
3/15/2019 1:25	3/15/2019 11:00	Subtransmission	None	TRK 853			EQUIPMENT FAILURE
5/1/2019 5:27	5/1/2019 12:09	Subtransmission	None	TRK 4911			EQUIPMENT FAILURE
5/1/2019 5:47	5/1/2019 6:57	Subtransmission	None	TRK 4911			EQUIPMENT FAILURE
5/1/2019 6:49	5/1/2019 9:38	Subtransmission	None	TRK 4911			EQUIPMENT FAILURE
5/31/2019 13:19	6/1/2019 6:47	Subtransmission	None	TRK 3661			EQUIPMENT FAILURE
5/31/2019 13:08	5/31/2019 19:15	Subtransmission	Distribution	TRK 3661	5	1584	EQUIPMENT FAILURE
7/9/2019 7:21	7/9/2019 10:38	Subtransmission	None	TRK 2907			EQUIPMENT FAILURE
7/19/2019 19:28	7/25/2019 15:47	Subtransmission	None	TRK 8014			EQUIPMENT FAILURE
8/24/2019 15:15	8/24/2019 18:10	Subtransmission	None	TRK 3632			EQUIPMENT FAILURE
9/11/2019 18:50	9/12/2019 17:02	Subtransmission	Distribution	TRK 2002	821	1062873	EQUIPMENT FAILURE
9/11/2019 18:35	9/12/2019 17:00	Subtransmission	Distribution	TRK 2002	533	403978	EQUIPMENT FAILURE
9/12/2019 17:01	9/12/2019 20:27	Subtransmission	None	TRK 2002			EQUIPMENT FAILURE
9/12/2019 21:50	9/13/2019 15:02	Subtransmission	None	TRK 2002			EQUIPMENT FAILURE
9/18/2019 9:18	9/18/2019 10:21	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
9/18/2019 9:18	9/18/2019 10:21	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
9/27/2019 12:28	9/27/2019 18:01	Subtransmission	None	TIE 6147			EQUIPMENT FAILURE
9/27/2019 4:44	9/27/2019 7:00	Subtransmission	Distribution	TIE 6147	2080	191618	EQUIPMENT FAILURE
10/24/2019 12:41	10/24/2019 22:49	Subtransmission	None	TIE 7504			EQUIPMENT FAILURE
11/1/2019 7:32	11/1/2019 11:53	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
11/27/2019 10:28	11/29/2019 20:13	Subtransmission	None	TIE 1423			EQUIPMENT FAILURE
1/9/2020 16:42	1/10/2020 4:54	Subtransmission	None	TIE 9205			EQUIPMENT FAILURE
1/9/2020 13:18	1/9/2020 17:44	Subtransmission	None	TIE 9205			EQUIPMENT FAILURE
1/23/2020 11:04	1/23/2020 17:15	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
1/23/2020 10:28	1/23/2020 17:16	Subtransmission	None	TRK 7078			EQUIPMENT FAILURE
3/5/2020 4:54	3/5/2020 17:58	Subtransmission	None	TRK 5838			EQUIPMENT FAILURE
4/9/2020 14:42	4/9/2020 15:21	Subtransmission	None	TRK 2316			EQUIPMENT FAILURE
5/3/2020 7:18	5/5/2020 15:14	Subtransmission	None	TRK 7035			EQUIPMENT FAILURE
5/27/2020 11:48	5/28/2020 13:00	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
6/11/2020 2:55	6/12/2020 17:00	Subtransmission	Distribution	TIE 4105	108	195450	EQUIPMENT FAILURE
7/8/2020 23:57	7/9/2020 5:15	Subtransmission	None	TRK 3543			EQUIPMENT FAILURE
7/29/2020 5:23	7/29/2020 14:03	Subtransmission	None	TRK 6759			EQUIPMENT FAILURE
12/22/2020 18:02	12/22/2020 21:30	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
3/3/2021 13:30	3/3/2021 20:03	Subtransmission	Distribution	TRK 4416			EQUIPMENT FAILURE
3/3/2021 13:00	3/3/2021 20:00	Subtransmission	Distribution	TRK 4416	1	356	EQUIPMENT FAILURE
3/9/2021 12:16	3/9/2021 13:15	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
5/7/2021 17:51	5/7/2021 18:35	Subtransmission	None	TIE 6147			EQUIPMENT FAILURE
5/7/2021 17:50	5/7/2021 18:40	Subtransmission	None	TIE 6147			EQUIPMENT FAILURE
5/7/2021 17:59	5/8/2021 4:35	Subtransmission	None	TIE 6147			EQUIPMENT FAILURE
5/28/2021 0:11	5/28/2021 13:22	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
6/17/2021 15:31	6/17/2021 18:49	Subtransmission	None	TRK 6304			EQUIPMENT FAILURE
6/17/2021 15:26	6/17/2021 18:49	Subtransmission	None	TRK 6304			EQUIPMENT FAILURE
6/17/2021 15:28	6/17/2021 18:49	Subtransmission	None	TRK 6304			EQUIPMENT FAILURE
6/17/2021 15:20	6/17/2021 18:30	Subtransmission	Distribution	TRK 6304	586	43017	EQUIPMENT FAILURE
6/17/2021 15:52	6/17/2021 18:49	Subtransmission	Distribution	TRK 6304	1	126	EQUIPMENT FAILURE
6/17/2021 15:44	6/17/2021 19:59	Subtransmission	None	TRK 6304			EQUIPMENT FAILURE
6/17/2021 15:37	6/17/2021 19:43	Subtransmission	None	TRK 6304			EQUIPMENT FAILURE
7/10/2021 7:28	7/11/2021 20:58	Subtransmission	None	TRK 1232			EQUIPMENT FAILURE
7/15/2021 12:38	7/15/2021 20:17	Subtransmission	None	TRK 2205			EQUIPMENT FAILURE
8/12/2021 11:54	8/12/2021 20:28	Subtransmission	None	TRK 7117			EQUIPMENT FAILURE
8/13/2021 8:23	8/13/2021 10:53	Subtransmission	None	TRK 7117			EQUIPMENT FAILURE
8/13/2021 10:15	8/13/2021 20:26	Subtransmission	None	TRK 7117			EQUIPMENT FAILURE
8/22/2021 17:38	8/23/2021 13:20	Subtransmission	None	TRK 4523			EQUIPMENT FAILURE
8/29/2021 11:46	8/29/2021 22:45	Subtransmission	Subtransmission	TRK 3124	1327	253240	EQUIPMENT FAILURE
8/29/2021 19:43	8/30/2021 2:32	Subtransmission	None	TRK 3124			EQUIPMENT FAILURE
8/30/2021 5:17	8/30/2021 16:03	Subtransmission	None	TRK 3124			EQUIPMENT FAILURE
9/14/2021 12:52	9/16/2021 4:43	Subtransmission	None	TIE 1568			EQUIPMENT FAILURE
10/4/2021 15:54	10/4/2021 20:38	Subtransmission	None	TIE 4109			EQUIPMENT FAILURE
10/4/2021 16:31	10/4/2021 20:11	Subtransmission	None	TIE 4109			EQUIPMENT FAILURE
12/24/2021 22:42	12/25/2021 5:24	Subtransmission	None	TIE 4428			EQUIPMENT FAILURE
2/2/2022 5:16	2/2/2022 13:02	Subtransmission	None	TRK 1276			EQUIPMENT FAILURE
3/24/2022 15:34	3/25/2022 5:04	Subtransmission	None	TIE4105			EQUIPMENT FAILURE
3/31/2022 18:04	4/1/2022 15:29	Subtransmission	Distribution	TRK 2715	1	56	EQUIPMENT FAILURE
4/4/2022 10:23	4/4/2022 20:30	Subtransmission	None	TRK 3617			EQUIPMENT FAILURE
4/4/2022 10:09	4/4/2022 18:19	Subtransmission	None	TRK 3617			EQUIPMENT FAILURE
5/4/2022 0:41	5/4/2022 2:08	Subtransmission	None	TIE 817			EQUIPMENT FAILURE
5/4/2022 6:53	5/4/2022 15:21	Subtransmission	None	TIE 817			EQUIPMENT FAILURE
5/31/2022 7:04	5/31/2022 14:33	Subtransmission	None	TRK 3508			EQUIPMENT FAILURE
7/14/2022 23:14	7/15/2022 4:00	Subtransmission	Distribution	TIE 5843	13	3643	EQUIPMENT FAILURE
7/14/2022 23:28	7/15/2022 7:21	Subtransmission	None	TIE 5843			EQUIPMENT FAILURE
1/26/2023 1:48	1/26/2023 5:16	Subtransmission	None	TRK 1502			EQUIPMENT FAILURE
4/24/2023 0:39	4/24/2023 8:03	Subtransmission	Circuit Level	TRK 1248	2	76	EQUIPMENT FAILURE
4/24/2023 0:21	4/24/2023 8:04	Subtransmission	Device (II)	TRK 1248	1	9	EQUIPMENT FAILURE
4/24/2023 0:16	4/24/2023 8:04	Subtransmission	Circuit Level	TRK 1248			EQUIPMENT FAILURE
4/24/2023 0:36	4/24/2023 19:02	Subtransmission		TRK 1248			EQUIPMENT FAILURE
6/3/2023 14:51	6/4/2023 15:50	Subtransmission		TIE 6931			EQUIPMENT FAILURE
7/25/2023 16:49	7/25/2023 22:24	Subtransmission		TIE 6602			EQUIPMENT FAILURE
7/26/2023 19:04	7/27/2023 23:30	Subtransmission		TRK 5935			EQUIPMENT FAILURE
7/26/2023 15:47	7/27/2023 23:31	Subtransmission	Substation	TRK 5935	468	882334	EQUIPMENT FAILURE

8/18/2023 12:03	8/20/2023 2:42	Subtransmission	Subtransmission	TRK 7187			EQUIPMENT FAILURE
8/18/2023 11:18	8/19/2023 5:35	Subtransmission		TRK 7187			EQUIPMENT FAILURE
8/24/2023 9:43	8/24/2023 12:04	Subtransmission		TRK 7187	1	219	EQUIPMENT FAILURE
8/24/2023 2:18	8/24/2023 16:32	Subtransmission	Circuit Level	TRK 7187	230	50142	EQUIPMENT FAILURE
8/24/2023 2:29	8/25/2023 16:39	Subtransmission		TRK 7187			EQUIPMENT FAILURE
8/24/2023 2:18	8/24/2023 21:58	Subtransmission		TRK 7187			EQUIPMENT FAILURE
8/24/2023 1:59	8/24/2023 13:20	Subtransmission	Circuit Level	TRK 7187	856	187088	EQUIPMENT FAILURE
8/24/2023 7:34	8/24/2023 21:43	Subtransmission	Circuit Level	TRK 7187	697	152356	EQUIPMENT FAILURE
6/18/2021 14:19	6/18/2021 19:02	Subtransmission	None	TIE 4428			LIGHTNING
7/22/2022 1:14	7/22/2022 20:22	Subtransmission	None	TIE 9107			LIGHTNING
9/14/2019 19:04	9/15/2019 17:55	Subtransmission	None	TRK 346			PUBLIC INTERFERENCE
4/6/2020 17:01	4/7/2020 10:49	Subtransmission	None	TRK 2027			PUBLIC INTERFERENCE
3/6/2019 17:49	3/7/2019 18:20	Subtransmission	None	TIE 6138			TREE
3/28/2019 11:25	3/28/2019 13:30	Subtransmission	Distribution	TIE 3705	464	55780	TREE
3/28/2019 11:42	3/28/2019 20:58	Subtransmission	None	TIE 3705			TREE
4/16/2019 22:14	4/17/2019 4:41	Subtransmission	None	TIE 3205			TREE
10/27/2019 3:51	10/27/2019 4:36	Subtransmission	Distribution	TIE 3241	46	3485	TREE
10/27/2019 3:31	10/27/2019 17:55	Subtransmission	None	TIE 3241			TREE
10/27/2019 6:54	10/27/2019 15:30	Subtransmission	Distribution	TIE 3241			TREE
10/27/2019 3:21	10/27/2019 4:36	Subtransmission	Distribution	TIE 3241	2195	163241	TREE
11/27/2019 10:57	11/29/2019 18:09	Subtransmission	None	TIE 1473			TREE
11/27/2019 10:17	11/27/2019 19:30	Subtransmission	Distribution	TIE 1473	705	181283	TREE
4/13/2020 13:36	4/13/2020 16:00	Subtransmission	Distribution	TIE 4505	64	7599	TREE
7/25/2020 16:17	7/26/2020 14:09	Subtransmission	None	TRK 2250			TREE
7/25/2020 11:01	7/27/2020 16:40	Subtransmission	None	TRK 2250			TREE
7/25/2020 13:06	7/26/2020 0:09	Subtransmission	None	TRK 2250			TREE
11/15/2020 2:38	11/15/2020 5:11	Subtransmission	Distribution	TIE 9303	1565	173821	TREE
11/15/2020 2:54	11/15/2020 14:10	Subtransmission	None	TIE 9303			TREE
6/29/2021 17:34	6/30/2021 10:41	Subtransmission	None	TRK 4301			TREE
6/29/2021 15:01	6/29/2021 20:42	Subtransmission	None	TRK 4301			TREE
1/11/2022 8:38	1/12/2022 16:59	Subtransmission	None	TIE 6931			EQUIPMENT FAILURE
9/12/2022 15:11	9/13/2022 14:36	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
11/17/2022 14:29	11/18/2022 2:05	Subtransmission	None	TRK 4316			EQUIPMENT FAILURE
5/29/2018 21:18	5/30/2018 0:28	Subtransmission	None	TRK 3526			EQUIPMENT FAILURE
5/29/2018 21:10	5/30/2018 18:43	Subtransmission	None	TRK 3526			EQUIPMENT FAILURE
4/9/2020 9:39	4/9/2020 12:35	Subtransmission	None	TRK 7122			ANIMAL
6/15/2018 21:49	7/1/2018 14:28	Subtransmission	None	TRK 1456			EQUIPMENT FAILURE
5/14/2023 1:18	5/14/2023 6:51	Subtransmission		TRK 2510			EQUIPMENT FAILURE
5/18/2023 12:07	5/19/2023 9:30	Subtransmission	Subtransmission	TRK 3511	324	15410	EQUIPMENT FAILURE
6/11/2022 21:28	6/12/2022 12:17	Subtransmission	None	TIE 3417			LIGHTNING
2/8/2018 16:20	2/8/2018 18:28	Subtransmission	None	TIE 4523			NO ISSUES FOUND
3/1/2018 23:06	3/2/2018 12:56	Subtransmission	None	TIE 3822			NO ISSUES FOUND
3/20/2018 4:13	3/20/2018 15:23	Subtransmission	None	TRK 2411			NO ISSUES FOUND
4/3/2018 10:06	4/3/2018 18:10	Subtransmission	None	TIE9303			NO ISSUES FOUND
4/4/2018 13:27	4/4/2018 19:43	Subtransmission	None	TRK 2411			NO ISSUES FOUND
4/11/2018 13:51	4/11/2018 20:26	Subtransmission	None	TIE 4512			NO ISSUES FOUND
5/14/2018 18:20	5/15/2018 15:34	Subtransmission	None	TIE 7745			NO ISSUES FOUND
5/26/2018 18:07	5/26/2018 22:52	Subtransmission	None	TRK 1276			NO ISSUES FOUND
5/27/2018 7:32	5/27/2018 11:36	Subtransmission	None	TIE 4523			NO ISSUES FOUND
5/27/2018 7:50	5/27/2018 12:03	Subtransmission	None	TIE 810			NO ISSUES FOUND
5/30/2018 18:45	6/4/2018 7:12	Subtransmission	None	TRK 3124			NO ISSUES FOUND
5/31/2018 7:48	5/31/2018 18:52	Subtransmission	None	TIE 5823			NO ISSUES FOUND
5/31/2018 2:58	5/31/2018 14:50	Subtransmission	None	TRK 385			NO ISSUES FOUND
5/31/2018 18:30	6/16/2018 11:09	Subtransmission	None	TRK 385			NO ISSUES FOUND
6/9/2018 8:48	6/9/2018 10:49	Subtransmission	None	TRK 1303			NO ISSUES FOUND
6/11/2018 17:21	6/11/2018 22:32	Subtransmission	None	TRK 1525			NO ISSUES FOUND
6/19/2018 7:38	6/19/2018 15:15	Subtransmission	None	TIE 1540			NO ISSUES FOUND
6/27/2018 17:40	6/27/2018 21:08	Subtransmission	None	TIE4105			NO ISSUES FOUND
6/27/2018 6:55	6/27/2018 11:00	Subtransmission	None	TRK 7035			NO ISSUES FOUND
6/29/2018 19:49	6/29/2018 20:45	Subtransmission	None	TRK 361			NO ISSUES FOUND
7/10/2018 16:26	7/10/2018 19:08	Subtransmission	None	TIE 6310			NO ISSUES FOUND
7/10/2018 0:20	7/10/2018 9:16	Subtransmission	None	TIE 6310			NO ISSUES FOUND
7/15/2018 8:53	7/15/2018 14:55	Subtransmission	None	TRK 2302			NO ISSUES FOUND
7/17/2018 7:29	7/17/2018 10:28	Subtransmission	None	TRK 4962			NO ISSUES FOUND
7/20/2018 10:30	7/20/2018 12:54	Subtransmission	None	TIE 8014			NO ISSUES FOUND
7/21/2018 8:19	7/22/2018 7:06	Subtransmission	None	TRK 2018			NO ISSUES FOUND
7/26/2018 21:29	10/1/2018 5:22	Subtransmission	None	TIE 1568			NO ISSUES FOUND
7/26/2018 14:12	7/27/2018 17:13	Subtransmission	None	TRK 5144			NO ISSUES FOUND
7/29/2018 14:44	7/29/2018 20:15	Subtransmission	None	TRK 2628			NO ISSUES FOUND
8/12/2018 18:41	8/13/2018 11:38	Subtransmission	None	TIE 7745			NO ISSUES FOUND
8/25/2018 9:01	8/25/2018 14:11	Subtransmission	None	TIE 7513			NO ISSUES FOUND
9/21/2018 14:29	9/21/2018 22:07	Subtransmission	None	TIE 4708			NO ISSUES FOUND
9/25/2018 22:15	9/26/2018 4:00	Subtransmission	None	TIE 1318			NO ISSUES FOUND
10/4/2018 22:27	10/5/2018 0:55	Subtransmission	None	TRK 3534			NO ISSUES FOUND
10/11/2018 10:37	10/12/2018 8:19	Subtransmission	None	TIE 2648			NO ISSUES FOUND
10/31/2018 9:18	10/31/2018 13:02	Subtransmission	None	TRK 853			NO ISSUES FOUND
11/2/2018 14:56	11/2/2018 19:46	Subtransmission	None	TIE 4105			NO ISSUES FOUND
11/3/2018 18:23	11/3/2018 23:03	Subtransmission	None	TRK 2439			NO ISSUES FOUND
11/25/2018 10:48	11/25/2018 14:40	Subtransmission	None	TRK 1346			NO ISSUES FOUND
11/26/2018 14:17	11/27/2018 12:26	Subtransmission	None	TIE 1586			NO ISSUES FOUND
11/26/2018 13:22	11/26/2018 14:56	Subtransmission	None	TIE 1586			NO ISSUES FOUND
11/27/2018 16:20	11/27/2018 20:53	Subtransmission	None	TRK 4316			NO ISSUES FOUND
12/9/2018 10:33	12/9/2018 18:50	Subtransmission	None	TIE 9123			NO ISSUES FOUND
12/11/2018 16:28	12/11/2018 22:54	Subtransmission	None	TRK 4316			NO ISSUES FOUND
12/31/2018 22:47	1/1/2019 22:47	Subtransmission	None	TIE 3205			NO ISSUES FOUND
12/31/2018 23:04	1/1/2019 1:12	Subtransmission	None	TIE 3205			NO ISSUES FOUND
1/5/2019 11:28	1/5/2019 17:29	Subtransmission	None	TIE 1544			NO ISSUES FOUND
1/8/2019 18:12	1/9/2019 4:53	Subtransmission	None	TIE 2813			NO ISSUES FOUND
1/17/2019 13:22	1/17/2019 17:28	Subtransmission	None	TRK 6125			NO ISSUES FOUND
1/20/2019 19:04	1/21/2019 3:21	Subtransmission	None	TRK 3508			NO ISSUES FOUND
1/20/2019 19:09	1/20/2019 22:29	Subtransmission	None	TRK 3508			NO ISSUES FOUND
1/22/2019 21:49	1/23/2019 13:06	Subtransmission	None	TRK 2308			NO ISSUES FOUND
1/24/2019 8:35	1/24/2019 11:25	Subtransmission	None	TRK 2308			NO ISSUES FOUND
1/24/2019 8:37	1/24/2019 12:30	Subtransmission	None	TRK 2313			NO ISSUES FOUND
3/14/2019 20:05	3/15/2019 12:53	Subtransmission	None	TRK 428			NO ISSUES FOUND
3/31/2019 12:26	3/31/2019 19:31	Subtransmission	None	TRK 3536			NO ISSUES FOUND
4/12/2019 21:23	4/13/2019 10:09	Subtransmission	None	TIE 5829			NO ISSUES FOUND
4/12/2019 15:30	4/13/2019 3:47	Subtransmission	None	TRK 2942			NO ISSUES FOUND
4/13/2019 12:59	4/13/2019 20:32	Subtransmission	None	TIE 3205			NO ISSUES FOUND
4/20/2019 16:06	4/20/2019 20:03	Subtransmission	None	TIE 1544			NO ISSUES FOUND
4/21/2019 7:56	4/22/2019 0:45	Subtransmission	None	TRK 357			NO ISSUES FOUND
4/24/2019 9:16	4/24/2019 12:25	Subtransmission	None	TRK 6741			NO ISSUES FOUND
5/2/2019 3:11	5/2/2019 9:20	Subtransmission	None	TIE 3417			NO ISSUES FOUND
5/11/2019 2:47	5/11/2019 6:01	Subtransmission	None	TRK 3304			NO ISSUES FOUND
5/16/2019 12:54	5/16/2019 19:15	Subtransmission	None	TRK 4605			NO ISSUES FOUND

5/19/2019 14:22	5/19/2019 19:38	Subtransmission	None	TRK 428			NO ISSUES FOUND
5/25/2019 17:57	5/26/2019 17:57	Subtransmission	None	TRK 3203			NO ISSUES FOUND
5/29/2019 0:41	5/29/2019 5:45	Subtransmission	None	TRK 2305			NO ISSUES FOUND
5/29/2019 22:04	5/30/2019 2:51	Subtransmission	None	TRK 5404			NO ISSUES FOUND
6/1/2019 6:26	6/1/2019 14:00	Subtransmission	None	TRK 5923			NO ISSUES FOUND
6/2/2019 15:02	6/2/2019 20:39	Subtransmission	None	TIE 2901			NO ISSUES FOUND
6/6/2019 9:24	6/6/2019 12:48	Subtransmission	None	TRK 2510			NO ISSUES FOUND
6/10/2019 15:27	6/10/2019 20:18	Subtransmission	None	TIE 9111			NO ISSUES FOUND
6/19/2019 6:42	6/19/2019 19:43	Subtransmission	None	TRK 3511			NO ISSUES FOUND
6/25/2019 2:48	6/25/2019 9:40	Subtransmission	None	TIE 3417			NO ISSUES FOUND
6/26/2019 1:18	6/26/2019 5:07	Subtransmission	None	TRK 853			NO ISSUES FOUND
6/27/2019 2:30	6/27/2019 12:51	Subtransmission	None	TIE 2819			NO ISSUES FOUND
6/29/2019 7:01	6/30/2019 15:57	Subtransmission	None	TIE 1381			NO ISSUES FOUND
7/4/2019 17:39	7/4/2019 19:41	Subtransmission	None	TIE 7104			NO ISSUES FOUND
7/15/2019 17:07	7/16/2019 6:46	Subtransmission	None	TIE 7520			NO ISSUES FOUND
7/16/2019 4:48	7/16/2019 7:00	Subtransmission	None	TRK 2543			NO ISSUES FOUND
7/16/2019 5:06	7/16/2019 12:48	Subtransmission	None	TRK 2543			NO ISSUES FOUND
7/19/2019 17:16	7/25/2019 18:24	Subtransmission	None	TIE 7702			NO ISSUES FOUND
7/19/2019 19:41	7/20/2019 12:42	Subtransmission	None	TIE 9107			NO ISSUES FOUND
7/20/2019 16:50	7/25/2019 14:56	Subtransmission	None	TIE 8033			NO ISSUES FOUND
7/20/2019 7:40	7/20/2019 12:47	Subtransmission	None	TIE 8033			NO ISSUES FOUND
7/24/2019 5:33	7/24/2019 9:50	Subtransmission	None	TRK 0361			NO ISSUES FOUND
8/9/2019 11:43	8/9/2019 21:32	Subtransmission	None	TRK 1531			NO ISSUES FOUND
8/10/2019 6:23	8/10/2019 16:35	Subtransmission	None	TIE 6128			NO ISSUES FOUND
8/12/2019 23:59	8/13/2019 5:38	Subtransmission	None	TRK 2319			NO ISSUES FOUND
8/19/2019 17:11	8/20/2019 1:29	Subtransmission	None	TIE 9705			NO ISSUES FOUND
9/8/2019 0:17	9/8/2019 9:53	Subtransmission	None	TIE 3417			NO ISSUES FOUND
9/11/2019 15:25	9/11/2019 22:14	Subtransmission	None	TRK 7386			NO ISSUES FOUND
9/16/2019 17:03	9/17/2019 14:52	Subtransmission	None	TRK 1411			NO ISSUES FOUND
9/18/2019 8:06	9/18/2019 14:48	Subtransmission	None	TIE 6907			NO ISSUES FOUND
9/22/2019 6:50	9/22/2019 18:07	Subtransmission	None	TRK 3205			NO ISSUES FOUND
10/1/2019 11:53	10/1/2019 16:55	Subtransmission	None	TRK 853			NO ISSUES FOUND
10/9/2019 13:56	10/9/2019 18:13	Subtransmission	None	TRK 5239			NO ISSUES FOUND
10/16/2019 6:46	10/16/2019 9:00	Subtransmission	None	TIE 4105			NO ISSUES FOUND
10/16/2019 6:46	10/16/2019 9:00	Subtransmission	None	TIE 4105			NO ISSUES FOUND
10/23/2019 18:34	10/23/2019 22:43	Subtransmission	None	TRK 2439			NO ISSUES FOUND
12/6/2019 22:25	12/7/2019 5:49	Subtransmission	None	TRK 853			NO ISSUES FOUND
12/25/2019 7:48	12/25/2019 13:10	Subtransmission	None	TRK 1527			NO ISSUES FOUND
1/12/2020 10:22	1/12/2020 12:54	Subtransmission	None	TIE 1268			NO ISSUES FOUND
1/15/2020 16:27	1/15/2020 21:41	Subtransmission	None	TRK 4416			NO ISSUES FOUND
1/25/2020 14:17	1/25/2020 21:21	Subtransmission	None	TIE 1531			NO ISSUES FOUND
2/2/2020 16:11	2/2/2020 22:16	Subtransmission	None	TIE 2648			NO ISSUES FOUND
2/3/2020 10:07	2/5/2020 9:23	Subtransmission	None	TRK 5935			NO ISSUES FOUND
2/5/2020 12:37	2/5/2020 14:48	Subtransmission	None	TRK 7324			NO ISSUES FOUND
2/5/2020 12:15	2/5/2020 16:02	Subtransmission	None	TRK 7324			NO ISSUES FOUND
2/13/2020 18:25	2/13/2020 21:04	Subtransmission	None	TIE 4523			NO ISSUES FOUND
2/13/2020 18:39	2/20/2020 7:45	Subtransmission	None	TIE 4523			NO ISSUES FOUND
2/17/2020 17:21	2/17/2020 21:26	Subtransmission	None	TIE 6931			NO ISSUES FOUND
2/17/2020 7:19	2/17/2020 11:07	Subtransmission	None	TRK 2437			NO ISSUES FOUND
2/21/2020 21:39	2/22/2020 12:56	Subtransmission	None	TRK 2205			NO ISSUES FOUND
2/24/2020 20:23	2/24/2020 22:33	Subtransmission	None	TIE 3241			NO ISSUES FOUND
3/10/2020 18:29	3/10/2020 22:57	Subtransmission	None	TIE 5823			NO ISSUES FOUND
3/11/2020 11:37	3/11/2020 14:51	Subtransmission	None	TIE 1568			NO ISSUES FOUND
3/21/2020 8:44	3/21/2020 12:19	Subtransmission	None	TRK 2439			NO ISSUES FOUND
3/25/2020 11:11	3/25/2020 16:00	Subtransmission	None	TIE 1544			NO ISSUES FOUND
3/28/2020 3:13	3/28/2020 6:08	Subtransmission	None	TRK 1232			NO ISSUES FOUND
4/1/2020 7:33	4/1/2020 12:07	Subtransmission	None	TRK 8215			NO ISSUES FOUND
4/2/2020 17:38	4/2/2020 23:13	Subtransmission	None	TRK 3518			NO ISSUES FOUND
4/4/2020 14:08	4/4/2020 18:57	Subtransmission	None	TRK 1470			NO ISSUES FOUND
4/7/2020 11:54	4/7/2020 15:26	Subtransmission	None	TRK 2027			NO ISSUES FOUND
4/10/2020 20:12	4/11/2020 5:07	Subtransmission	None	TRK 7035			NO ISSUES FOUND
4/11/2020 12:28	4/11/2020 17:05	Subtransmission	None	TRK 2922			NO ISSUES FOUND
4/13/2020 7:43	4/13/2020 10:51	Subtransmission	None	TRK 7324			NO ISSUES FOUND
4/19/2020 23:51	4/20/2020 4:57	Subtransmission	None	TRK 7114			NO ISSUES FOUND
4/23/2020 3:20	4/23/2020 15:28	Subtransmission	None	TRK 1423			NO ISSUES FOUND
4/26/2020 6:57	4/26/2020 11:56	Subtransmission	None	TIE 9107			NO ISSUES FOUND
5/2/2020 0:53	5/2/2020 5:13	Subtransmission	None	TIE 6147			NO ISSUES FOUND
5/12/2020 13:23	5/12/2020 14:55	Subtransmission	None	TRK 2437			NO ISSUES FOUND
5/15/2020 17:02	5/15/2020 20:17	Subtransmission	None	TRK 2922			NO ISSUES FOUND
5/18/2020 7:29	5/18/2020 12:11	Subtransmission	None	TIE 3323			NO ISSUES FOUND
5/20/2020 9:15	5/20/2020 14:03	Subtransmission	None	TRK 1525			NO ISSUES FOUND
6/3/2020 3:23	6/3/2020 13:57	Subtransmission	None	TRK 3557			NO ISSUES FOUND
6/4/2020 18:48	6/5/2020 11:40	Subtransmission	None	TIE 8014			NO ISSUES FOUND
6/4/2020 11:44	6/4/2020 12:45	Subtransmission	Distribution	TIE 8014			NO ISSUES FOUND
6/5/2020 10:15	6/6/2020 18:09	Subtransmission	None	TIE 8505			NO ISSUES FOUND
6/10/2020 15:49	6/12/2020 14:14	Subtransmission	None	TIE 7504			NO ISSUES FOUND
6/10/2020 21:20	6/12/2020 14:33	Subtransmission	None	TIE 9123			NO ISSUES FOUND
6/14/2020 22:14	6/15/2020 22:28	Subtransmission	None	TRK 2032			NO ISSUES FOUND
6/19/2020 9:48	6/19/2020 14:08	Subtransmission	None	TRK 2107			NO ISSUES FOUND
6/20/2020 7:38	6/20/2020 15:31	Subtransmission	None	TIE 4412			NO ISSUES FOUND
6/23/2020 21:56	6/23/2020 23:36	Subtransmission	Distribution	TRK 853	1	91	NO ISSUES FOUND
6/23/2020 22:08	6/24/2020 3:48	Subtransmission	None	TRK 853			NO ISSUES FOUND
6/29/2020 16:19	6/30/2020 15:14	Subtransmission	None	TIE 8014			NO ISSUES FOUND
6/29/2020 18:10	6/29/2020 21:04	Subtransmission	None	TRK 1116			NO ISSUES FOUND
7/1/2020 6:58	7/1/2020 10:39	Subtransmission	None	TRK 2032			NO ISSUES FOUND
7/2/2020 7:42	7/2/2020 10:30	Subtransmission	None	TRK 3534			NO ISSUES FOUND
7/8/2020 17:45	7/8/2020 23:38	Subtransmission	None	TIE 1318			NO ISSUES FOUND
7/9/2020 0:22	7/9/2020 1:50	Subtransmission	None	TRK 2806			NO ISSUES FOUND
7/10/2020 10:06	7/10/2020 20:44	Subtransmission	None	TIE 2648			NO ISSUES FOUND
7/12/2020 15:43	7/12/2020 19:32	Subtransmission	None	TRK 1314			NO ISSUES FOUND
7/17/2020 13:35	7/17/2020 16:50	Subtransmission	None	TIE 1224			NO ISSUES FOUND
7/17/2020 7:24	7/17/2020 10:14	Subtransmission	None	TRK 7115			NO ISSUES FOUND
7/19/2020 11:29	7/20/2020 11:35	Subtransmission	None	TRK 5817			NO ISSUES FOUND
7/19/2020 11:32	7/20/2020 11:36	Subtransmission	None	TRK 5823			NO ISSUES FOUND
7/25/2020 11:08	7/25/2020 18:28	Subtransmission	None	TRK 2218			NO ISSUES FOUND
7/30/2020 7:56	7/30/2020 17:13	Subtransmission	None	TRK 5855			NO ISSUES FOUND
8/2/2020 21:13	8/3/2020 13:48	Subtransmission	None	TIE 7702			NO ISSUES FOUND
8/11/2020 12:46	8/12/2020 17:14	Subtransmission	None	TRK 6304			NO ISSUES FOUND
8/14/2020 1:42	8/14/2020 16:02	Subtransmission	None	TIE 9107			NO ISSUES FOUND
8/18/2020 7:34	8/18/2020 10:20	Subtransmission	None	TIE 6621			NO ISSUES FOUND
8/22/2020 17:09	8/23/2020 0:52	Subtransmission	None	TRK 3508			NO ISSUES FOUND
8/22/2020 14:54	8/22/2020 19:33	Subtransmission	None	TRK 6941			NO ISSUES FOUND
8/25/2020 13:43	8/25/2020 20:10	Subtransmission	None	TIE 6907			NO ISSUES FOUND
8/26/2020 7:41	8/26/2020 16:13	Subtransmission	None	TIE 2648			NO ISSUES FOUND
8/28/2020 3:14	8/28/2020 10:00	Subtransmission	None	TIE 8511			NO ISSUES FOUND

8/28/2020 4:07	8/28/2020 16:03	Subtransmission	None	TRK 2742			NO ISSUES FOUND
8/28/2020 6:59	8/29/2020 10:15	Subtransmission	None	TRK 2742			NO ISSUES FOUND
9/1/2020 19:57	9/2/2020 4:57	Subtransmission	None	TIE 4105			NO ISSUES FOUND
9/7/2020 11:39	9/7/2020 16:35	Subtransmission	None	TRK 5145			NO ISSUES FOUND
9/7/2020 12:22	9/7/2020 20:29	Subtransmission	Distribution	TRK 5145	1	817	NO ISSUES FOUND
9/29/2020 8:31	9/30/2020 3:31	Subtransmission	None	TRK 4501			NO ISSUES FOUND
10/10/2020 17:04	10/10/2020 20:04	Subtransmission	None	TRK 1303			NO ISSUES FOUND
10/11/2020 11:02	10/11/2020 12:43	Subtransmission	None	TRK 3632			NO ISSUES FOUND
10/16/2020 16:31	10/16/2020 23:41	Subtransmission	None	TIE 810			NO ISSUES FOUND
10/23/2020 17:04	10/25/2020 12:54	Subtransmission	None	TRK 2305			NO ISSUES FOUND
10/27/2020 13:48	10/27/2020 17:56	Subtransmission	None	TIE 2810			NO ISSUES FOUND
10/27/2020 23:55	10/28/2020 1:03	Subtransmission	None	TRK 2523			NO ISSUES FOUND
11/11/2020 8:16	11/11/2020 15:02	Subtransmission	None	TRK 4416			NO ISSUES FOUND
12/31/2020 0:25	12/31/2020 4:25	Subtransmission	None	TIE 1224			NO ISSUES FOUND
1/2/2021 16:31	1/4/2021 1:03	Subtransmission	None	TIE 5820			NO ISSUES FOUND
2/12/2021 9:04	2/12/2021 11:27	Subtransmission	None	TRK 5923			NO ISSUES FOUND
2/21/2021 13:46	2/21/2021 19:20	Subtransmission	None	TRK 4301			NO ISSUES FOUND
3/8/2021 23:04	3/9/2021 15:45	Subtransmission	None	TIE 3209			NO ISSUES FOUND
3/9/2021 21:59	3/10/2021 7:28	Subtransmission	None	TRK 1218			NO ISSUES FOUND
3/9/2021 12:22	3/9/2021 15:53	Subtransmission	None	TRK 3617			NO ISSUES FOUND
3/11/2021 15:37	3/11/2021 18:55	Subtransmission	None	TRK 7150			NO ISSUES FOUND
3/12/2021 0:15	3/12/2021 11:57	Subtransmission	None	TIE 7504			NO ISSUES FOUND
3/24/2021 20:40	3/25/2021 11:37	Subtransmission	None	TRK 1502			NO ISSUES FOUND
4/1/2021 7:12	4/1/2021 9:37	Subtransmission	None	TRK 7602			NO ISSUES FOUND
4/6/2021 23:24	4/7/2021 15:36	Subtransmission	None	TIE 3220			NO ISSUES FOUND
4/9/2021 17:37	4/11/2021 6:22	Subtransmission	None	TIE 8033			NO ISSUES FOUND
4/9/2021 15:34	4/9/2021 21:47	Subtransmission	None	TRK 1444			NO ISSUES FOUND
4/10/2021 11:23	4/10/2021 16:24	Subtransmission	None	TRK 7386			NO ISSUES FOUND
4/12/2021 7:58	4/12/2021 18:44	Subtransmission	None	TIE 7430			NO ISSUES FOUND
4/30/2021 20:13	5/1/2021 10:42	Subtransmission	None	TRK 2543			NO ISSUES FOUND
5/14/2021 7:46	5/14/2021 12:03	Subtransmission	None	TIE 1473			NO ISSUES FOUND
5/27/2021 6:43	5/27/2021 9:35	Subtransmission	None	TRK 1218			NO ISSUES FOUND
5/29/2021 10:44	5/29/2021 17:51	Subtransmission	None	TRK 2319			NO ISSUES FOUND
5/29/2021 17:43	5/30/2021 0:16	Subtransmission	None	TRK 6508			NO ISSUES FOUND
5/30/2021 6:17	5/31/2021 14:08	Subtransmission	None	TRK 2319			NO ISSUES FOUND
6/2/2021 17:54	6/2/2021 23:09	Subtransmission	None	TRK 2319			NO ISSUES FOUND
6/2/2021 16:45	6/2/2021 18:28	Subtransmission	None	TRK 2543			NO ISSUES FOUND
6/2/2021 8:27	6/2/2021 14:50	Subtransmission	None	TRK 7106			NO ISSUES FOUND
6/3/2021 14:18	6/3/2021 18:53	Subtransmission	None	TRK 2510			NO ISSUES FOUND
6/5/2021 14:17	6/6/2021 13:30	Subtransmission	None	TRK 2508			NO ISSUES FOUND
6/9/2021 21:44	6/10/2021 12:58	Subtransmission	None	TRK 1418			NO ISSUES FOUND
6/18/2021 11:28	6/20/2021 5:38	Subtransmission	None	TRK 1502			NO ISSUES FOUND
6/20/2021 21:11	6/22/2021 21:43	Subtransmission	None	TIE 8804			NO ISSUES FOUND
6/21/2021 4:48	6/22/2021 19:10	Subtransmission	None	TRK 5404			NO ISSUES FOUND
6/24/2021 9:29	6/25/2021 8:38	Subtransmission	None	TIE 3203			NO ISSUES FOUND
6/29/2021 16:08	6/29/2021 21:58	Subtransmission	None	TIE 6621			NO ISSUES FOUND
7/1/2021 3:48	7/1/2021 8:36	Subtransmission	None	TRK 1502			NO ISSUES FOUND
7/2/2021 8:03	7/2/2021 16:54	Subtransmission	None	TRK 2038			NO ISSUES FOUND
7/4/2021 17:55	7/4/2021 20:06	Subtransmission	None	TRK 2611			NO ISSUES FOUND
7/6/2021 3:10	7/6/2021 14:42	Subtransmission	None	TIE 8511			NO ISSUES FOUND
7/6/2021 16:00	7/6/2021 21:09	Subtransmission	None	TRK 6508			NO ISSUES FOUND
7/8/2021 10:50	7/8/2021 22:33	Subtransmission	None	TIE 3220			NO ISSUES FOUND
7/12/2021 14:16	7/12/2021 17:22	Subtransmission	None	TRK 6828			NO ISSUES FOUND
7/17/2021 8:33	7/17/2021 12:44	Subtransmission	None	TIE 1318			NO ISSUES FOUND
7/23/2021 7:56	7/24/2021 12:04	Subtransmission	None	TRK 7150			NO ISSUES FOUND
7/24/2021 10:02	7/24/2021 19:14	Subtransmission	None	TRK 6841			NO ISSUES FOUND
7/29/2021 22:35	7/30/2021 20:11	Subtransmission	None	TIE 2648			NO ISSUES FOUND
8/7/2021 15:15	8/7/2021 18:33	Subtransmission	None	TIE 1318			NO ISSUES FOUND
8/7/2021 15:09	8/7/2021 16:00	Subtransmission	Distribution	TIE 1318			NO ISSUES FOUND
8/8/2021 16:37	8/14/2021 13:26	Subtransmission	None	TRK 1403			NO ISSUES FOUND
8/21/2021 13:05	8/21/2021 14:00	Subtransmission	Subtransmission	TIE 1318			NO ISSUES FOUND
8/21/2021 13:04	8/21/2021 14:00	Subtransmission	Distribution	TIE 1318			NO ISSUES FOUND
8/21/2021 13:07	8/21/2021 14:00	Subtransmission	Distribution	TIE 1318			NO ISSUES FOUND
8/21/2021 13:17	8/21/2021 16:02	Subtransmission	None	TIE 1318			NO ISSUES FOUND
9/17/2021 19:14	9/17/2021 21:23	Subtransmission	None	TRK 2439			NO ISSUES FOUND
9/23/2021 15:01	9/27/2021 7:49	Subtransmission	None	TIE 2812			NO ISSUES FOUND
10/8/2021 7:41	10/8/2021 16:07	Subtransmission	None	TIE 3800			NO ISSUES FOUND
10/15/2021 4:56	10/15/2021 13:26	Subtransmission	None	TIE 1423			NO ISSUES FOUND
10/15/2021 6:55	10/15/2021 13:32	Subtransmission	None	TRK 2301			NO ISSUES FOUND
10/26/2021 20:45	10/29/2021 18:28	Subtransmission	None	TRK 5522			NO ISSUES FOUND
11/21/2021 0:42	11/23/2021 22:29	Subtransmission	None	TRK 2027			NO ISSUES FOUND
12/18/2021 20:30	12/19/2021 12:22	Subtransmission	None	TRK 2313			NO ISSUES FOUND
12/18/2021 11:03	12/19/2021 13:33	Subtransmission	None	TRK 2411			NO ISSUES FOUND
1/3/2022 2:13	1/4/2022 11:20	Subtransmission	None	TRK 1276			NO ISSUES FOUND
1/5/2022 10:43	1/5/2022 13:39	Subtransmission	None	TIE 1473			NO ISSUES FOUND
1/5/2022 10:38	1/5/2022 13:00	Subtransmission	Distribution	TIE 1473			NO ISSUES FOUND
1/24/2022 17:31	1/25/2022 13:52	Subtransmission	None	TRK 1276			NO ISSUES FOUND
1/24/2022 15:10	1/24/2022 19:43	Subtransmission	None	TRK 1276			NO ISSUES FOUND
2/11/2022 10:55	2/11/2022 14:34	Subtransmission	None	TRK 7150			NO ISSUES FOUND
2/18/2022 10:18	2/18/2022 15:26	Subtransmission	None	TRK 1248			NO ISSUES FOUND
2/19/2022 4:11	2/19/2022 12:32	Subtransmission	None	TIE 9211			NO ISSUES FOUND
2/28/2022 7:23	2/28/2022 13:37	Subtransmission	None	TIE 3417			NO ISSUES FOUND
2/28/2022 1:56	2/28/2022 13:57	Subtransmission	None	TIE 6907			NO ISSUES FOUND
3/6/2022 13:13	3/6/2022 16:28	Subtransmission	None	TRK 2443			NO ISSUES FOUND
3/6/2022 10:35	3/8/2022 0:20	Subtransmission	None	TRK 2611			NO ISSUES FOUND
3/19/2022 9:15	3/19/2022 17:41	Subtransmission	None	TIE 6117			NO ISSUES FOUND
3/23/2022 17:46	3/26/2022 7:37	Subtransmission	None	TIE 8033			NO ISSUES FOUND
3/31/2022 6:11	3/31/2022 15:19	Subtransmission	None	TIE 226			NO ISSUES FOUND
3/31/2022 2:55	3/31/2022 12:13	Subtransmission	None	TIE 3402			NO ISSUES FOUND
3/31/2022 5:00	4/1/2022 20:47	Subtransmission	None	TIE 6147			NO ISSUES FOUND
3/31/2022 19:23	4/1/2022 0:37	Subtransmission	None	TIE 9123			NO ISSUES FOUND
3/31/2022 8:42	3/31/2022 14:44	Subtransmission	None	TRK 6172			NO ISSUES FOUND
4/3/2022 15:58	4/3/2022 21:06	Subtransmission	None	TRK 1502			NO ISSUES FOUND
4/6/2022 10:39	4/7/2022 8:28	Subtransmission	None	TRK 2319			NO ISSUES FOUND
4/10/2022 9:17	4/10/2022 13:04	Subtransmission	None	TRK 2250			NO ISSUES FOUND
4/13/2022 13:54	4/13/2022 19:20	Subtransmission	None	TRK 5404			NO ISSUES FOUND
4/14/2022 16:22	4/15/2022 13:14	Subtransmission	None	TIE 3205			NO ISSUES FOUND
4/14/2022 15:16	4/15/2022 18:35	Subtransmission	None	TIE 4412			NO ISSUES FOUND
4/14/2022 15:21	4/15/2022 21:34	Subtransmission	None	TIE 9205			NO ISSUES FOUND
4/14/2022 14:16	4/14/2022 17:22	Subtransmission	None	TRK 2107			NO ISSUES FOUND
4/15/2022 15:29	4/16/2022 1:17	Subtransmission	None	TIE 3417			NO ISSUES FOUND
4/18/2022 20:42	4/19/2022 4:56	Subtransmission	None	TIE 6931			NO ISSUES FOUND
4/18/2022 17:12	4/18/2022 22:13	Subtransmission	None	TIE 6931			NO ISSUES FOUND
4/19/2022 8:06	4/19/2022 21:18	Subtransmission	None	TIE 226			NO ISSUES FOUND
4/20/2022 11:30	4/21/2022 4:32	Subtransmission	None	TIE 4105			NO ISSUES FOUND

4/23/2022 8:45	4/23/2022 13:09	Subtransmission	None	TIE 1473	NO ISSUES FOUND
4/26/2022 8:00	4/27/2022 2:37	Subtransmission	None	TRK 7106	NO ISSUES FOUND
4/28/2022 0:41	4/29/2022 23:55	Subtransmission	None	TIE 1568	NO ISSUES FOUND
5/1/2022 3:48	5/1/2022 9:33	Subtransmission	None	TRK 1346	NO ISSUES FOUND
5/3/2022 13:01	5/4/2022 10:51	Subtransmission	None	TRK 8414	NO ISSUES FOUND
5/9/2022 8:45	5/9/2022 10:00	Subtransmission	Distribution	TRK 2107	NO ISSUES FOUND
5/14/2022 18:21	5/15/2022 1:43	Subtransmission	None	TIE 3417	NO ISSUES FOUND
5/24/2022 15:23	5/24/2022 20:39	Subtransmission	None	TRK 2027	NO ISSUES FOUND
5/24/2022 7:50	5/24/2022 14:42	Subtransmission	None	TRK 5935	NO ISSUES FOUND
5/25/2022 16:25	5/25/2022 21:59	Subtransmission	None	TIE 3800	NO ISSUES FOUND
5/26/2022 15:17	5/26/2022 18:10	Subtransmission	None	TIE 7621	NO ISSUES FOUND
5/31/2022 18:49	5/31/2022 21:06	Subtransmission	None	TIE 3417	NO ISSUES FOUND
6/1/2022 20:52	6/2/2022 19:54	Subtransmission	None	TRK 346	NO ISSUES FOUND
6/6/2022 17:02	6/9/2022 16:39	Subtransmission	None	TIE4105	NO ISSUES FOUND
6/8/2022 21:51	6/9/2022 14:29	Subtransmission	None	TRK 1502	NO ISSUES FOUND
6/12/2022 7:03	6/12/2022 9:02	Subtransmission	None	TRK 2466	NO ISSUES FOUND
6/16/2022 6:03	6/17/2022 10:27	Subtransmission	None	TIE 9123	NO ISSUES FOUND
6/20/2022 10:31	6/20/2022 15:22	Subtransmission	None	TRK 4428	NO ISSUES FOUND
6/24/2022 7:50	6/24/2022 10:18	Subtransmission	None	TRK 2439	NO ISSUES FOUND
6/25/2022 20:21	6/26/2022 11:10	Subtransmission	None	TIE 1467	NO ISSUES FOUND
7/2/2022 16:22	7/2/2022 22:44	Subtransmission	None	TRK 7324	NO ISSUES FOUND
7/4/2022 11:40	7/5/2022 15:40	Subtransmission	None	TIE 4428	NO ISSUES FOUND
7/5/2022 7:10	7/5/2022 15:55	Subtransmission	None	TRK 1243	NO ISSUES FOUND
7/5/2022 7:06	7/8/2022 2:06	Subtransmission	None	TRK 2918	NO ISSUES FOUND
7/5/2022 7:09	7/5/2022 11:11	Subtransmission	None	TRK 6828	NO ISSUES FOUND
7/7/2022 8:47	7/7/2022 11:39	Subtransmission	None	TRK 7733	NO ISSUES FOUND
7/7/2022 10:32	7/7/2022 18:27	Subtransmission	None	TIE 6310	NO ISSUES FOUND
7/7/2022 19:33	7/8/2022 0:55	Subtransmission	None	TRK 2918	NO ISSUES FOUND
7/8/2022 7:50	7/8/2022 10:47	Subtransmission	None	TRK 6854	NO ISSUES FOUND
7/10/2022 18:44	7/10/2022 22:17	Subtransmission	None	TRK 2466	NO ISSUES FOUND
7/11/2022 17:34	7/11/2022 21:36	Subtransmission	None	TRK 2005	NO ISSUES FOUND
7/14/2022 12:27	7/14/2022 19:41	Subtransmission	None	TRK 3508	NO ISSUES FOUND
7/24/2022 0:43	7/24/2022 6:42	Subtransmission	None	TRK 2027	NO ISSUES FOUND
7/28/2022 19:40	7/29/2022 2:34	Subtransmission	None	TRK 3518	NO ISSUES FOUND
8/1/2022 12:55	8/1/2022 19:57	Subtransmission	None	TIE 5513	NO ISSUES FOUND
8/2/2022 10:36	8/2/2022 13:08	Subtransmission	None	TIE 1467	NO ISSUES FOUND
8/8/2022 14:43	8/10/2022 0:29	Subtransmission	None	TIE4105	NO ISSUES FOUND
8/8/2022 9:11	8/8/2022 18:15	Subtransmission	None	TIE 5823	NO ISSUES FOUND
8/10/2022 8:27	8/10/2022 13:40	Subtransmission	None	TRK 1276	NO ISSUES FOUND
8/14/2022 20:22	8/15/2022 2:26	Subtransmission	None	TRK 7106	NO ISSUES FOUND
8/21/2022 11:23	8/21/2022 15:23	Subtransmission	None	TIE 7745	NO ISSUES FOUND
8/27/2022 20:47	8/28/2022 12:51	Subtransmission	None	TRK 1502	NO ISSUES FOUND
8/30/2022 10:22	8/30/2022 11:54	Subtransmission	None	TRK 2027	NO ISSUES FOUND
8/30/2022 7:49	8/30/2022 10:31	Subtransmission	None	TIE 1568	NO ISSUES FOUND
8/30/2022 7:47	8/31/2022 16:56	Subtransmission	None	TRK 1527	NO ISSUES FOUND
8/30/2022 10:18	9/2/2022 23:42	Subtransmission	None	TRK 4412	NO ISSUES FOUND
8/30/2022 10:32	8/30/2022 12:29	Subtransmission	None	TRK 5923	NO ISSUES FOUND
9/3/2022 1:51	9/4/2022 15:57	Subtransmission	None	TIE 4523	NO ISSUES FOUND
9/3/2022 19:39	9/4/2022 1:01	Subtransmission	None	TIE 1318	NO ISSUES FOUND
9/3/2022 12:16	9/4/2022 13:09	Subtransmission	None	TRK 1502	NO ISSUES FOUND
9/4/2022 10:38	9/5/2022 20:41	Subtransmission	None	TIE 1467	NO ISSUES FOUND
9/5/2022 14:15	9/5/2022 21:13	Subtransmission	None	TIE 8014	NO ISSUES FOUND
9/5/2022 8:06	9/7/2022 16:04	Subtransmission	None	TIE 9111	NO ISSUES FOUND
9/5/2022 14:39	9/5/2022 20:58	Subtransmission	None	TRK 2027	NO ISSUES FOUND
9/7/2022 9:15	9/9/2022 7:49	Subtransmission	None	TIE 2819	NO ISSUES FOUND
9/8/2022 9:27	9/10/2022 20:24	Subtransmission	None	TRK 5855	NO ISSUES FOUND
9/9/2022 18:45	9/11/2022 8:08	Subtransmission	None	TRK 5510	NO ISSUES FOUND
9/11/2022 23:05	9/12/2022 20:28	Subtransmission	None	TRK 2027	NO ISSUES FOUND
9/18/2022 3:26	9/18/2022 10:59	Subtransmission	None	TIE 185	NO ISSUES FOUND
9/19/2022 12:27	9/19/2022 20:55	Subtransmission	None	TIE 3417	NO ISSUES FOUND
9/20/2022 23:00	9/23/2022 20:05	Subtransmission	None	TRK 8215	NO ISSUES FOUND
9/21/2022 4:08	9/26/2022 10:23	Subtransmission	None	TRK 4338	NO ISSUES FOUND
9/22/2022 2:57	9/22/2022 8:24	Subtransmission	None	TRK 2636	NO ISSUES FOUND
9/23/2022 14:18	9/26/2022 14:08	Subtransmission	None	TIE 2025	NO ISSUES FOUND
9/25/2022 12:28	9/25/2022 15:38	Subtransmission	None	TIE 185	NO ISSUES FOUND
9/25/2022 16:14	9/26/2022 17:49	Subtransmission	None	TRK 2301	NO ISSUES FOUND
9/26/2022 14:21	9/28/2022 14:23	Subtransmission	None	TIE 8033	NO ISSUES FOUND
10/5/2022 14:13	10/8/2022 16:18	Subtransmission	None	TRK 8414	NO ISSUES FOUND
10/6/2022 21:06	10/7/2022 12:51	Subtransmission	None	TIE 8014	NO ISSUES FOUND
10/9/2022 9:45	10/9/2022 13:04	Subtransmission	None	TRK 2918	NO ISSUES FOUND
10/14/2022 0:19	10/14/2022 16:03	Subtransmission	None	TIE 3241	NO ISSUES FOUND
10/14/2022 0:07	10/15/2022 12:58	Subtransmission	None	TIE 3241	NO ISSUES FOUND
10/21/2022 13:03	10/22/2022 11:52	Subtransmission	None	TIE 3417	NO ISSUES FOUND
10/23/2022 16:06	10/24/2022 3:35	Subtransmission	None	TIE 226	NO ISSUES FOUND
10/26/2022 14:29	10/31/2022 11:56	Subtransmission	None	TIE 6172	NO ISSUES FOUND
11/5/2022 11:59	11/5/2022 18:02	Subtransmission	None	TIE 9123	NO ISSUES FOUND
11/21/2022 11:57	11/21/2022 16:41	Subtransmission	None	TRK 1303	NO ISSUES FOUND
11/27/2022 15:23	11/27/2022 18:54	Subtransmission	None	TRK 6941	NO ISSUES FOUND
11/29/2022 7:47	11/30/2022 11:32	Subtransmission	None	TRK 2439	NO ISSUES FOUND
11/30/2022 17:52	12/1/2022 16:29	Subtransmission	None	TIE 4109	NO ISSUES FOUND
12/3/2022 8:10	12/19/2022 19:21	Subtransmission	None	TIE 9211	NO ISSUES FOUND
12/5/2022 13:49	12/8/2022 22:37	Subtransmission	None	TRK 7324	NO ISSUES FOUND
12/12/2022 16:34	12/12/2022 23:49	Subtransmission	None	TIE 6907	NO ISSUES FOUND
12/15/2022 5:27	12/15/2022 10:27	Subtransmission	None	TIE 3323	NO ISSUES FOUND
12/22/2022 14:11	12/22/2022 17:18	Subtransmission	None	TRK 5526	NO ISSUES FOUND
12/23/2022 1:15	12/23/2022 17:16	Subtransmission	None	TIE4105	NO ISSUES FOUND
12/23/2022 12:53	12/24/2022 21:07	Subtransmission	None	TIE 3206	NO ISSUES FOUND
12/23/2022 15:13	12/24/2022 20:15	Subtransmission	None	TIE 817	NO ISSUES FOUND
12/24/2022 11:43	12/24/2022 21:07	Subtransmission	None	TIE4105	NO ISSUES FOUND
12/30/2022 2:19	12/30/2022 10:28	Subtransmission	None	TRK 1502	NO ISSUES FOUND
1/1/2023 8:50	1/1/2023 19:49	Subtransmission	None	TRK 2027	NO ISSUES FOUND
1/4/2023 11:29	1/5/2023 8:02	Subtransmission	None	TIE 2812	NO ISSUES FOUND
1/19/2023 10:12	1/19/2023 17:21	Subtransmission	None	TIE 3205	NO ISSUES FOUND
1/23/2023 7:56	1/23/2023 14:23	Subtransmission	None	TRK 2087	NO ISSUES FOUND
1/25/2023 15:28	1/25/2023 21:02	Subtransmission	None	TRK 1232	NO ISSUES FOUND
1/26/2023 0:50	1/28/2023 10:34	Subtransmission	None	TIE 4428	NO ISSUES FOUND
1/28/2023 12:51	1/28/2023 14:22	Subtransmission	None	TIE 4428	NO ISSUES FOUND
2/9/2023 8:56	2/9/2023 13:21	Subtransmission		TRK 1862	NO ISSUES FOUND
2/10/2023 18:22	2/12/2023 7:48	Subtransmission		TRK 7729	NO ISSUES FOUND
2/10/2023 18:35	2/10/2023 21:24	Subtransmission		TRK 7729	NO ISSUES FOUND
2/10/2023 18:10	2/11/2023 0:04	Subtransmission	Subtransmission	TRK 7729	NO ISSUES FOUND
2/15/2023 16:33	2/16/2023 21:47	Subtransmission	Single Customer	TIE 3245	NO ISSUES FOUND
2/15/2023 14:52	2/16/2023 22:55	Subtransmission		TIE 9211	NO ISSUES FOUND
2/15/2023 15:33	2/16/2023 16:14	Subtransmission		TIE 3245	NO ISSUES FOUND
2/15/2023 14:26	2/16/2023 17:13	Subtransmission		TIE 3245	NO ISSUES FOUND

2/22/2023 17:58	2/24/2023 20:26	Subtransmission		TIE 3205			NO ISSUES FOUND
2/22/2023 18:17	2/22/2023 18:47	Subtransmission	Substation	TRK 2054			NO ISSUES FOUND
2/22/2023 18:09	2/22/2023 21:43	Subtransmission	Substation	TRK 2054	1	109	NO ISSUES FOUND
2/23/2023 9:12	2/26/2023 16:57	Subtransmission		TRK 1340			NO ISSUES FOUND
2/27/2023 16:00	3/3/2023 6:18	Subtransmission		TIE 3212			NO ISSUES FOUND
2/27/2023 15:27	3/3/2023 6:16	Subtransmission		TIE 3323			NO ISSUES FOUND
2/27/2023 14:28	2/28/2023 2:13	Subtransmission		TRK 2826			NO ISSUES FOUND
3/3/2023 17:26	3/4/2023 5:06	Subtransmission		TRK 2918			NO ISSUES FOUND
3/3/2023 21:24	3/5/2023 8:08	Subtransmission	Substation	TRK 6919	1	1142	NO ISSUES FOUND
3/4/2023 16:21	3/5/2023 8:20	Subtransmission		TIE 6931			NO ISSUES FOUND
3/4/2023 2:54	3/4/2023 13:51	Subtransmission		TRK 141			NO ISSUES FOUND
3/4/2023 0:12	3/4/2023 16:55	Subtransmission		TRK 1544			NO ISSUES FOUND
3/4/2023 0:38	3/6/2023 8:42	Subtransmission		TRK 2308			NO ISSUES FOUND
3/4/2023 8:12	3/6/2023 18:54	Subtransmission		TRK 2659			NO ISSUES FOUND
3/4/2023 11:54	3/4/2023 17:30	Subtransmission		TRK 7187			NO ISSUES FOUND
3/5/2023 0:32	3/7/2023 16:45	Subtransmission		TIE 1531			NO ISSUES FOUND
3/6/2023 11:35	3/6/2023 17:39	Subtransmission		TRK 4405			NO ISSUES FOUND
3/7/2023 17:29	3/11/2023 21:08	Subtransmission		TIE 1540			NO ISSUES FOUND
3/15/2023 13:20	3/27/2023 7:39	Subtransmission		TRK 1218			NO ISSUES FOUND
3/15/2023 10:52	3/15/2023 13:10	Subtransmission		TRK 385			NO ISSUES FOUND
3/15/2023 10:49	3/15/2023 14:18	Subtransmission	Circuit Level	TRK 385			NO ISSUES FOUND
3/15/2023 13:14	3/15/2023 20:07	Subtransmission	Subtransmission	TRK 1218			NO ISSUES FOUND
3/16/2023 6:46	3/16/2023 7:10	Subtransmission	Circuit Level	TRK 362			NO ISSUES FOUND
3/17/2023 14:09	3/17/2023 15:09	Subtransmission	Circuit Level	TRK 2022			NO ISSUES FOUND
3/17/2023 19:14	3/20/2023 12:10	Subtransmission	Subtransmission	TIE 1568			NO ISSUES FOUND
3/17/2023 14:09	3/17/2023 15:10	Subtransmission	Circuit Level	TRK 2022			NO ISSUES FOUND
3/23/2023 13:16	3/23/2023 16:04	Subtransmission		TRK 2301			NO ISSUES FOUND
3/25/2023 15:04	3/26/2023 8:50	Subtransmission		TIE 6517			NO ISSUES FOUND
3/25/2023 15:20	3/27/2023 7:42	Subtransmission		TRK 1423			NO ISSUES FOUND
3/25/2023 16:35	3/26/2023 11:39	Subtransmission		TRK 2016			NO ISSUES FOUND
3/25/2023 15:38	3/27/2023 7:42	Subtransmission		TRK 2107			NO ISSUES FOUND
3/25/2023 16:24	3/27/2023 7:42	Subtransmission		TRK 2308			NO ISSUES FOUND
3/25/2023 16:44	3/27/2023 7:40	Subtransmission		TRK 3511			NO ISSUES FOUND
3/25/2023 15:19	3/27/2023 7:41	Subtransmission		TRK 4911			NO ISSUES FOUND
3/25/2023 15:43	3/26/2023 16:38	Subtransmission		TRK 6508			NO ISSUES FOUND
4/1/2023 12:27	4/1/2023 15:32	Subtransmission		TRK 2506			NO ISSUES FOUND
4/1/2023 9:05	4/4/2023 7:55	Subtransmission		TRK 5938			NO ISSUES FOUND
4/2/2023 11:38	4/4/2023 2:55	Subtransmission		TIE 3203			NO ISSUES FOUND
4/2/2023 10:29	4/4/2023 2:56	Subtransmission		TIE 3416			NO ISSUES FOUND
4/5/2023 8:39	4/6/2023 0:33	Subtransmission		TIE 3241			NO ISSUES FOUND
4/5/2023 11:08	4/6/2023 0:35	Subtransmission		TIE 3241			NO ISSUES FOUND
4/5/2023 3:06	4/5/2023 14:24	Subtransmission		TIE 7520			NO ISSUES FOUND
4/5/2023 8:51	4/6/2023 0:33	Subtransmission		TIE 9205			NO ISSUES FOUND
4/5/2023 15:45	4/6/2023 0:36	Subtransmission		TRK 4911			NO ISSUES FOUND
4/6/2023 16:23	4/7/2023 5:33	Subtransmission		TIE 3417			NO ISSUES FOUND
4/6/2023 15:33	4/6/2023 15:39	Subtransmission	Subtransmission	TRK 2027			NO ISSUES FOUND
4/6/2023 4:15	4/6/2023 5:37	Subtransmission	Device (II)	TRK 2247			NO ISSUES FOUND
4/6/2023 4:15	4/6/2023 5:41	Subtransmission	Circuit Level	TRK 2247			NO ISSUES FOUND
4/6/2023 4:15	4/6/2023 5:36	Subtransmission	Circuit Level	TRK 2247	1	6	NO ISSUES FOUND
4/6/2023 4:15	4/6/2023 5:35	Subtransmission	Circuit Level	TRK 2247			NO ISSUES FOUND
4/6/2023 4:15	4/6/2023 5:41	Subtransmission	Device (II)	TRK 2247			NO ISSUES FOUND
4/6/2023 3:56	4/6/2023 13:01	Subtransmission		TRK 2247			NO ISSUES FOUND
4/6/2023 5:45	4/6/2023 17:00	Subtransmission		TRK 2659			NO ISSUES FOUND
4/10/2023 21:06	4/11/2023 0:16	Subtransmission		TRK 2111			NO ISSUES FOUND
4/10/2023 8:17	4/10/2023 10:31	Subtransmission		TRK 3650			NO ISSUES FOUND
4/16/2023 13:29	4/17/2023 6:01	Subtransmission		TIE 9123			NO ISSUES FOUND
4/19/2023 0:15	4/19/2023 19:20	Subtransmission		TIE 2812			NO ISSUES FOUND
4/23/2023 16:53	4/24/2023 6:16	Subtransmission	Circuit Level	TRK 2308			NO ISSUES FOUND
5/6/2023 11:11	5/6/2023 18:01	Subtransmission	Single Customer	TRK 2439			NO ISSUES FOUND
5/11/2023 19:10	5/12/2023 23:52	Subtransmission		TRK 4971			NO ISSUES FOUND
5/18/2023 10:23	5/22/2023 23:46	Subtransmission	Subtransmission	TRK 3546			NO ISSUES FOUND
5/19/2023 0:53	5/19/2023 22:01	Subtransmission		TIE 9205			NO ISSUES FOUND
5/21/2023 7:56	5/21/2023 17:44	Subtransmission		TRK 7035			NO ISSUES FOUND
5/27/2023 12:32	5/27/2023 13:49	Subtransmission		TRK 1525			NO ISSUES FOUND
5/27/2023 6:57	5/28/2023 20:30	Subtransmission		TRK 2313			NO ISSUES FOUND
5/27/2023 5:24	5/27/2023 9:44	Subtransmission	Circuit Level	TRK 2523			NO ISSUES FOUND
6/6/2023 10:10	6/6/2023 13:07	Subtransmission	Device (II)	TIE 4570			NO ISSUES FOUND
6/7/2023 21:02	6/8/2023 3:42	Subtransmission		TIE 1312			NO ISSUES FOUND
6/7/2023 20:41	6/8/2023 4:32	Subtransmission	Substation	TIE 1312			NO ISSUES FOUND
6/8/2023 10:33	6/11/2023 14:48	Subtransmission		TRK 5938			NO ISSUES FOUND
6/8/2023 10:28	6/8/2023 13:43	Subtransmission	Device (II)	TRK 5938			NO ISSUES FOUND
6/9/2023 9:54	6/9/2023 19:17	Subtransmission		TIE 6602			NO ISSUES FOUND
6/11/2023 22:01	6/15/2023 10:55	Subtransmission		TIE 2819			NO ISSUES FOUND
6/11/2023 10:45	6/11/2023 17:16	Subtransmission		TIE 6907			NO ISSUES FOUND
6/11/2023 17:19	6/15/2023 13:17	Subtransmission		TRK 2931			NO ISSUES FOUND
6/11/2023 8:09	6/11/2023 16:27	Subtransmission		TRK 7065			NO ISSUES FOUND
6/11/2023 16:49	6/15/2023 13:19	Subtransmission		TRK 7065			NO ISSUES FOUND
6/14/2023 3:21	6/14/2023 11:46	Subtransmission		TIE 4104			NO ISSUES FOUND
6/15/2023 15:23	6/19/2023 15:53	Subtransmission		TIE 3206			NO ISSUES FOUND
6/18/2023 9:48	6/19/2023 7:40	Subtransmission		TIE 2648			NO ISSUES FOUND
6/23/2023 14:12	6/24/2023 19:09	Subtransmission		TRK 6741			NO ISSUES FOUND
6/23/2023 9:55	6/23/2023 14:41	Subtransmission		TRK 6854			NO ISSUES FOUND
6/23/2023 8:37	6/27/2023 14:08	Subtransmission		TRK 7130			NO ISSUES FOUND
6/24/2023 18:08	6/27/2023 11:15	Subtransmission		TRK 2418			NO ISSUES FOUND
6/26/2023 4:05	6/27/2023 1:55	Subtransmission		TRK 2659			NO ISSUES FOUND
6/27/2023 19:19	6/29/2023 12:30	Subtransmission		TRK 2713			NO ISSUES FOUND
6/28/2023 4:40	7/2/2023 8:26	Subtransmission		TRK 5906			NO ISSUES FOUND
6/28/2023 10:08	6/29/2023 12:29	Subtransmission		TRK 2713			NO ISSUES FOUND
7/1/2023 9:52	7/8/2023 5:53	Subtransmission		TIE 9111			NO ISSUES FOUND
7/2/2023 19:26	7/26/2023 7:57	Subtransmission		TRK 2918			NO ISSUES FOUND
7/2/2023 8:42	7/7/2023 21:30	Subtransmission		TRK 5935			NO ISSUES FOUND
7/2/2023 15:56	7/5/2023 19:51	Subtransmission		TRK 6741			NO ISSUES FOUND
7/3/2023 11:13	7/5/2023 23:02	Subtransmission		TRK 2826			NO ISSUES FOUND
7/4/2023 13:26	7/7/2023 21:31	Subtransmission		TIE 6138			NO ISSUES FOUND
7/6/2023 15:32	7/7/2023 21:31	Subtransmission		TRK 4227			NO ISSUES FOUND
7/7/2023 5:46	7/7/2023 14:28	Subtransmission		TIE 5513			NO ISSUES FOUND
7/13/2023 1:03	7/13/2023 10:28	Subtransmission	Substation	TRK 5935	1	5	NO ISSUES FOUND
7/14/2023 14:18	7/15/2023 22:14	Subtransmission		TIE 3318			NO ISSUES FOUND
7/14/2023 16:16	7/16/2023 20:29	Subtransmission		TIE 5208			NO ISSUES FOUND
7/14/2023 16:14	7/16/2023 21:25	Subtransmission		TRK 2931			NO ISSUES FOUND
7/14/2023 16:42	7/17/2023 7:56	Subtransmission		TRK 5140			NO ISSUES FOUND
7/15/2023 21:54	7/20/2023 22:59	Subtransmission		TIE 3205			NO ISSUES FOUND
7/15/2023 6:34	7/17/2023 7:56	Subtransmission		TRK 6842			NO ISSUES FOUND
7/20/2023 16:26	7/22/2023 10:54	Subtransmission		TIE 2025			NO ISSUES FOUND
7/20/2023 16:20	7/21/2023 10:22	Subtransmission		TIE 2819			NO ISSUES FOUND

7/20/2023 16:30	7/21/2023 17:23	Subtransmission		TIE 5829			NO ISSUES FOUND
7/20/2023 15:06	7/22/2023 11:16	Subtransmission		TIE 9111			NO ISSUES FOUND
7/20/2023 18:20	7/21/2023 13:22	Subtransmission		TRK 1251			NO ISSUES FOUND
7/20/2023 17:31	7/22/2023 14:05	Subtransmission		TRK 1340			NO ISSUES FOUND
7/20/2023 15:43	7/22/2023 14:10	Subtransmission		TRK 2525			NO ISSUES FOUND
7/20/2023 16:28	7/22/2023 11:42	Subtransmission		TRK 6125			NO ISSUES FOUND
7/21/2023 7:48	7/21/2023 12:39	Subtransmission		TRK 6854			NO ISSUES FOUND
7/21/2023 0:36	7/21/2023 11:20	Subtransmission		TIE 226			NO ISSUES FOUND
7/24/2023 8:20	7/26/2023 14:30	Subtransmission		TIE 8623			NO ISSUES FOUND
7/24/2023 18:59	7/29/2023 4:06	Subtransmission		TRK 7130			NO ISSUES FOUND
7/25/2023 12:41	7/28/2023 17:06	Subtransmission		TIE 3241			NO ISSUES FOUND
7/26/2023 20:54	7/28/2023 12:33	Subtransmission		TIE 1268			NO ISSUES FOUND
7/26/2023 15:55	7/28/2023 16:25	Subtransmission		TIE 1531			NO ISSUES FOUND
7/26/2023 18:07	7/28/2023 17:00	Subtransmission		TIE 2812			NO ISSUES FOUND
7/26/2023 17:56	7/28/2023 15:07	Subtransmission		TIE 7408			NO ISSUES FOUND
7/26/2023 15:31	7/26/2023 22:28	Subtransmission	Subtransmission	TIE 8014			NO ISSUES FOUND
7/26/2023 13:05	7/31/2023 6:54	Subtransmission		TIE 9111			NO ISSUES FOUND
7/26/2023 15:42	7/28/2023 20:28	Subtransmission	Subtransmission	TRK 2002	27	39490	NO ISSUES FOUND
7/26/2023 18:27	7/28/2023 17:00	Subtransmission		TRK 2443			NO ISSUES FOUND
7/26/2023 18:01	7/28/2023 10:32	Subtransmission		TRK 6304			NO ISSUES FOUND
7/26/2023 16:02	7/28/2023 16:56	Subtransmission		TRK 6722			NO ISSUES FOUND
7/26/2023 18:32	7/28/2023 11:51	Subtransmission		TRK 7130			NO ISSUES FOUND
7/26/2023 16:09	7/28/2023 17:01	Subtransmission		TRK 8414			NO ISSUES FOUND
7/26/2023 18:06	7/28/2023 16:23	Subtransmission		TIE 1531			NO ISSUES FOUND
7/28/2023 21:49	7/30/2023 20:44	Subtransmission		TIE 3800			NO ISSUES FOUND
7/28/2023 15:42	7/28/2023 23:06	Subtransmission	Circuit Level	TRK 2002	805	2569724	NO ISSUES FOUND
7/28/2023 17:19	7/29/2023 4:24	Subtransmission		TRK 2911			NO ISSUES FOUND
7/30/2023 5:12	8/20/2023 21:49	Subtransmission		TIE 4708			NO ISSUES FOUND
7/30/2023 17:04	7/30/2023 21:45	Subtransmission		TRK 7150			NO ISSUES FOUND
7/30/2023 17:06	7/30/2023 21:04	Subtransmission		TRK 7150			NO ISSUES FOUND
8/8/2023 13:45	8/9/2023 4:14	Subtransmission		TIE 3417			NO ISSUES FOUND
8/10/2023 1:34	8/10/2023 19:20	Subtransmission		TIE 9107			NO ISSUES FOUND
8/11/2023 22:27	8/12/2023 11:56	Subtransmission	Substation	TRK 1276	1	5	NO ISSUES FOUND
8/11/2023 22:58	8/20/2023 21:53	Subtransmission		TRK 5906			NO ISSUES FOUND
8/11/2023 22:11	8/20/2023 21:52	Subtransmission		TRK 7150			NO ISSUES FOUND
8/11/2023 22:30	8/13/2023 18:32	Subtransmission		TRK 1276			NO ISSUES FOUND
8/12/2023 16:47	8/14/2023 19:02	Subtransmission		TRK 1303			NO ISSUES FOUND
8/15/2023 2:40	8/15/2023 12:58	Subtransmission		TIE 3417			NO ISSUES FOUND
8/17/2023 15:27	8/17/2023 21:26	Subtransmission		TRK 1303			NO ISSUES FOUND
8/23/2023 13:03	8/26/2023 9:31	Subtransmission		TRK 6304			NO ISSUES FOUND
8/24/2023 23:53	8/25/2023 9:16	Subtransmission		TIE 2812			NO ISSUES FOUND
8/24/2023 23:45	8/27/2023 17:28	Subtransmission		TIE 2819			NO ISSUES FOUND
8/24/2023 21:15	8/25/2023 16:09	Subtransmission		TIE 3220			NO ISSUES FOUND
8/24/2023 23:42	8/26/2023 12:31	Subtransmission		TIE 4412			NO ISSUES FOUND
8/24/2023 23:01	8/25/2023 17:24	Subtransmission		TIE 6931			NO ISSUES FOUND
8/24/2023 22:24	8/26/2023 15:26	Subtransmission		TRK 1232			NO ISSUES FOUND
8/24/2023 3:13	8/28/2023 1:03	Subtransmission		TRK 5239			NO ISSUES FOUND
8/24/2023 2:14	8/24/2023 12:54	Subtransmission		TRK 5906			NO ISSUES FOUND
8/24/2023 23:50	8/25/2023 16:32	Subtransmission		TIE 1540			NO ISSUES FOUND
8/24/2023 23:48	8/25/2023 16:33	Subtransmission		TIE 1544			NO ISSUES FOUND
8/24/2023 21:26	8/25/2023 14:34	Subtransmission		TIE 3220			NO ISSUES FOUND
8/24/2023 23:18	8/27/2023 17:18	Subtransmission		TIE 6517			NO ISSUES FOUND
8/25/2023 7:06	8/25/2023 18:21	Subtransmission		TIE 5208			NO ISSUES FOUND
8/25/2023 2:38	8/26/2023 12:04	Subtransmission		TRK 1502			NO ISSUES FOUND
8/25/2023 2:37	8/26/2023 12:15	Subtransmission		TRK 1525			NO ISSUES FOUND
8/25/2023 2:33	8/25/2023 16:14	Subtransmission		TRK 1563			NO ISSUES FOUND
8/25/2023 2:22	8/26/2023 10:47	Subtransmission		TRK 2107			NO ISSUES FOUND
8/25/2023 1:50	8/26/2023 11:51	Subtransmission		TRK 5817			NO ISSUES FOUND
8/25/2023 1:46	8/25/2023 12:14	Subtransmission		TRK 5935			NO ISSUES FOUND
8/25/2023 0:56	8/26/2023 12:32	Subtransmission		TRK 8407			NO ISSUES FOUND
8/25/2023 16:46	8/25/2023 22:43	Subtransmission		TRK 845			NO ISSUES FOUND
8/26/2023 9:48	8/28/2023 1:12	Subtransmission		TIE 1312			NO ISSUES FOUND
8/26/2023 8:28	8/29/2023 10:16	Subtransmission		TIE 8033			NO ISSUES FOUND
8/26/2023 21:33	8/27/2023 18:14	Subtransmission		TRK 1340			NO ISSUES FOUND
8/26/2023 13:54	8/26/2023 23:53	Subtransmission		TIE 6602			NO ISSUES FOUND
8/27/2023 7:46	8/27/2023 18:41	Subtransmission		TIE 8804			NO ISSUES FOUND
8/27/2023 19:10	8/30/2023 5:56	Subtransmission		TRK 7035			NO ISSUES FOUND
8/28/2023 8:02	8/29/2023 18:35	Subtransmission		TIE 8014			NO ISSUES FOUND
9/2/2023 18:28	9/15/2023 23:19	Subtransmission		TRK 5855			NO ISSUES FOUND
9/3/2023 17:15	9/8/2023 13:23	Subtransmission		TIE 6138			NO ISSUES FOUND
9/3/2023 20:16	9/4/2023 9:59	Subtransmission		TRK 2233			NO ISSUES FOUND
9/5/2023 20:47	9/6/2023 1:55	Subtransmission		TRK 2032			NO ISSUES FOUND
9/5/2023 17:18	9/7/2023 17:14	Subtransmission	Substation	TRK 385	9	564	NO ISSUES FOUND
9/12/2023 10:42	9/14/2023 11:32	Subtransmission		TIE 4708			NO ISSUES FOUND
9/12/2023 10:12	9/14/2023 11:31	Subtransmission		TIE 5208			NO ISSUES FOUND
9/14/2023 7:07	9/15/2023 23:18	Subtransmission		TIE 5823			NO ISSUES FOUND
9/18/2023 4:58	9/18/2023 23:12	Subtransmission		TRK 1518			NO ISSUES FOUND
9/20/2023 17:06	9/20/2023 20:35	Subtransmission		TRK 1563			NO ISSUES FOUND
10/5/2023 13:13	10/5/2023 15:29	Subtransmission		TRK 7756			NO ISSUES FOUND
10/11/2023 5:13	10/12/2023 19:00	Subtransmission		TRK 4416			NO ISSUES FOUND
11/4/2023 21:46	11/6/2023 3:25	Subtransmission		TRK 2443			NO ISSUES FOUND
11/6/2023 8:39	11/6/2023 10:34	Subtransmission	Subtransmission	TIE 6138	6	1575	NO ISSUES FOUND
11/9/2023 17:10	11/30/2023 7:51	Subtransmission		TIE 3822			NO ISSUES FOUND
11/19/2023 17:46	11/20/2023 8:55	Subtransmission		TRK 5548			NO ISSUES FOUND
11/22/2023 7:30	11/29/2023 16:57	Subtransmission		TRK 3661			NO ISSUES FOUND
11/27/2023 14:16	11/29/2023 20:44	Subtransmission		TIE 1224			NO ISSUES FOUND
11/29/2023 21:30	11/30/2023 3:20	Subtransmission	Single Customer	TRK 1719			NO ISSUES FOUND
11/30/2023 11:23	11/30/2023 19:14	Subtransmission		TRK 1563			NO ISSUES FOUND
12/4/2023 5:49	12/8/2023 15:02	Subtransmission		TIE 4605			NO ISSUES FOUND
12/20/2023 11:20	12/22/2023 16:56	Subtransmission		TRK 7602			NO ISSUES FOUND
12/23/2023 7:23	12/23/2023 10:51	Subtransmission		TRK 7187			NO ISSUES FOUND
12/28/2023 11:23	12/31/2023 18:53	Subtransmission		TRK 1303			NO ISSUES FOUND
12/30/2023 7:27	12/31/2023 18:50	Subtransmission		TRK 5817			NO ISSUES FOUND
6/4/2018 23:33	6/5/2018 1:36	Subtransmission	None	TRK 4405			PUBLIC INTERFERENCE
6/4/2018 23:36	6/5/2018 1:56	Subtransmission	None	TRK 4405			PUBLIC INTERFERENCE
6/18/2018 23:48	6/19/2018 3:19	Subtransmission	None	TRK 333			PUBLIC INTERFERENCE
8/12/2018 18:26	8/12/2018 19:27	Subtransmission	None	TRK 5239			PUBLIC INTERFERENCE
2/16/2020 22:25	2/17/2020 14:05	Subtransmission	None	TRK 1251			PUBLIC INTERFERENCE
2/25/2020 17:28	2/25/2020 19:17	Subtransmission	None	TRK 2523			PUBLIC INTERFERENCE
7/21/2020 10:08	7/21/2020 16:23	Subtransmission	None	TRK 6741			PUBLIC INTERFERENCE
4/24/2021 17:04	4/24/2021 22:13	Subtransmission	None	TRK 6938			PUBLIC INTERFERENCE
5/22/2021 21:43	5/23/2021 8:54	Subtransmission	None	TIE 8014			PUBLIC INTERFERENCE
5/28/2021 0:53	5/30/2021 10:03	Subtransmission	None	TRK 5938			PUBLIC INTERFERENCE
7/24/2021 15:05	7/24/2021 22:27	Subtransmission	None	TRK 8414			PUBLIC INTERFERENCE
3/31/2023 16:43	3/31/2023 21:07	Subtransmission		TRK 2508			PUBLIC INTERFERENCE

5/4/2023 13:36	5/4/2023 20:35	Subtransmission		TRK 2519			PUBLIC INTERFERENCE
10/26/2023 18:21	10/27/2023 2:55	Subtransmission		TRK 2742			PUBLIC INTERFERENCE
7/2/2018 19:52	7/2/2018 21:46	Subtransmission	None	TRK 1527			TREE
6/4/2019 21:42	6/5/2019 13:16	Subtransmission	None	TRK 2016			TREE
10/21/2019 22:22	10/22/2019 4:51	Subtransmission	None	TIE 1531			TREE
10/22/2019 4:49	10/22/2019 13:40	Subtransmission	None	TIE 1531			TREE
3/4/2022 13:00	3/5/2022 15:33	Subtransmission	None	TIE 3417			TREE
3/21/2022 17:13	3/21/2022 23:08	Subtransmission	None	TIE 4105			TREE
5/27/2022 14:59	5/27/2022 21:40	Subtransmission	None	TIE 3241			TREE
6/16/2022 9:07	6/16/2022 21:51	Subtransmission	None	TIE 3209			TREE
9/1/2022 5:54	9/2/2022 15:25	Subtransmission	None	TRK 2302			TREE
2/16/2023 17:21	2/18/2023 1:11	Subtransmission	Service Transformer	TIE 3245	2	57	TREE
2/16/2023 6:57	2/16/2023 20:01	Subtransmission		TIE 3245			TREE
2/16/2023 16:18	2/16/2023 19:54	Subtransmission	Single Customer	TIE 3245	1	367	TREE
2/16/2023 16:41	2/18/2023 0:57	Subtransmission	Single Customer	TIE 3245	1	27	TREE
2/16/2023 16:43	2/17/2023 16:31	Subtransmission	Single Customer	TIE 3245	1	28	TREE
2/16/2023 16:46	2/17/2023 16:31	Subtransmission	Single Customer	TIE 3245	1	28	TREE
2/16/2023 17:09	2/17/2023 16:35	Subtransmission	Single Customer	TIE 3245	1	28	TREE
2/22/2023 22:05	2/25/2023 13:43	Subtransmission		TRK 7717			TREE
2/22/2023 21:15	2/23/2023 23:33	Subtransmission		TRK 7909			TREE
2/22/2023 21:06	2/22/2023 22:17	Subtransmission	Subtransmission	TRK 7909	130	13474	TREE
2/22/2023 20:33	2/23/2023 21:23	Subtransmission	Circuit Level	TRK 7909	1948	2628588	TREE
2/23/2023 9:01	3/1/2023 18:09	Subtransmission	Circuit Level	TRK 416			TREE
2/28/2023 10:21	3/1/2023 13:45	Subtransmission		TIE 1540			TREE
3/3/2023 21:05	3/5/2023 8:58	Subtransmission		TIE 8033			TREE
3/4/2023 2:46	3/6/2023 8:46	Subtransmission		TRK 830			TREE
3/25/2023 20:41	3/27/2023 7:38	Subtransmission		TIE 6117			TREE
3/25/2023 18:41	3/26/2023 10:44	Subtransmission	Single Customer	TRK 2806			TREE
3/25/2023 20:35	3/26/2023 14:40	Subtransmission	Single Customer	TIE 6117			TREE
3/25/2023 18:37	3/26/2023 9:30	Subtransmission	Subtransmission	TRK 2806	485	67920	TREE
3/25/2023 18:39	3/25/2023 20:51	Subtransmission	Single Customer	TRK 2806			TREE
3/25/2023 18:39	3/25/2023 21:07	Subtransmission	Single Customer	TRK 2806			TREE
4/2/2023 10:33	4/3/2023 22:44	Subtransmission		TIE 3205			TREE
4/27/2023 12:38	4/28/2023 3:03	Subtransmission		TIE 3209			TREE
7/20/2023 15:48	7/22/2023 9:29	Subtransmission	Subtransmission	TIE 810	8	13589	TREE
7/20/2023 18:12	7/22/2023 22:13	Subtransmission		TRK 2305			TREE
7/26/2023 19:20	7/28/2023 17:08	Subtransmission		TIE 6602			TREE
7/26/2023 18:35	7/28/2023 11:57	Subtransmission		TRK 7151			TREE
7/26/2023 21:31	7/27/2023 10:53	Subtransmission		TIE 6602			TREE
7/28/2023 19:52	7/30/2023 0:03	Subtransmission		TRK 3107			TREE
8/3/2023 18:45	8/3/2023 19:34	Subtransmission		TIE 7504			TREE
8/3/2023 18:30	8/3/2023 20:49	Subtransmission	Subtransmission	TIE 7504	2574	142297	TREE
8/3/2023 18:56	8/4/2023 12:45	Subtransmission		TIE 7504			TREE
8/12/2023 10:21	10/2/2023 11:31	Subtransmission		TIE 4523			TREE
8/23/2023 8:42	8/23/2023 21:18	Subtransmission	Subtransmission	TIE 9107	792	75608	TREE
8/23/2023 8:58	8/24/2023 9:08	Subtransmission		TIE 9107	1	95	TREE
8/30/2023 3:59	8/30/2023 21:19	Subtransmission		TIE 8014			TREE
9/16/2023 9:50	9/16/2023 19:03	Subtransmission		TIE 4105			TREE
9/16/2023 9:21	9/16/2023 18:26	Subtransmission	Subtransmission	TIE 4105	2044	543923	TREE
9/16/2023 11:13	9/16/2023 20:13	Subtransmission	Single Customer	TIE 4105			TREE
7/11/2023 17:32	7/11/2023 21:44	Subtransmission	Subtransmission	TRK 7062	683	85371	WIND
7/20/2023 16:30	7/21/2023 13:13	Subtransmission	Subtransmission	TRK 7062	282	349452	WIND
7/20/2022 13:20	7/21/2022 13:04	Subtransmission	None	TIE 1467			ANIMAL
6/12/2023 8:47	6/12/2023 18:24	Subtransmission		TRK 2826			ANIMAL
6/12/2023 18:24	10/26/2023 7:24	Subtransmission		TRK 2826			ANIMAL
1/8/2018 6:27	1/8/2018 20:56	Subtransmission	None	TRK 2038			EQUIPMENT FAILURE
1/8/2018 6:17	1/9/2018 15:52	Subtransmission	None	TRK 2038			EQUIPMENT FAILURE
2/25/2018 10:25	2/26/2018 20:03	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
2/25/2018 10:16	2/25/2018 11:02	Subtransmission	Subtransmission	TIE 3205	2044	34352	EQUIPMENT FAILURE
2/25/2018 10:16	2/25/2018 11:01	Subtransmission	Subtransmission	TIE 3205	1894	31846	EQUIPMENT FAILURE
3/20/2018 13:49	3/25/2018 20:24	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
3/21/2018 3:49	3/22/2018 12:11	Subtransmission	None	TRK 2713			EQUIPMENT FAILURE
3/31/2018 14:28	4/1/2018 4:59	Subtransmission	None	TIE 3203			EQUIPMENT FAILURE
3/31/2018 17:50	4/1/2018 4:47	Subtransmission	None	TIE 3203			EQUIPMENT FAILURE
5/4/2018 17:41	5/7/2018 19:03	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
5/4/2018 18:33	5/8/2018 21:19	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
5/4/2018 15:36	5/6/2018 17:13	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
5/4/2018 14:36	7/11/2018 1:43	Subtransmission	None	TRK 4338			EQUIPMENT FAILURE
5/5/2018 10:40	5/7/2018 15:58	Subtransmission	None	TRK 2455			EQUIPMENT FAILURE
5/6/2018 10:12	5/6/2018 21:12	Subtransmission	None	TIE 9107			EQUIPMENT FAILURE
5/17/2018 1:42	5/17/2018 7:11	Subtransmission	None	TRK 2313			EQUIPMENT FAILURE
5/18/2018 17:07	5/21/2018 7:48	Subtransmission	None	TRK 7122			EQUIPMENT FAILURE
5/27/2018 3:19	5/27/2018 5:12	Subtransmission	None	TRK 2313			EQUIPMENT FAILURE
5/28/2018 17:16	5/28/2018 23:10	Subtransmission	None	TRK 2659			EQUIPMENT FAILURE
5/28/2018 14:39	5/28/2018 20:00	Subtransmission	Distribution	TRK 2659	715	222551	EQUIPMENT FAILURE
6/2/2018 21:24	6/2/2018 22:50	Subtransmission	Subtransmission	TRK 2206	813	65422	EQUIPMENT FAILURE
6/2/2018 21:24	6/2/2018 22:50	Subtransmission	Subtransmission	TRK 2206	871	74962	EQUIPMENT FAILURE
6/2/2018 21:24	6/2/2018 22:50	Subtransmission	Subtransmission	TRK 2206	882	70795	EQUIPMENT FAILURE
6/2/2018 21:24	6/2/2018 22:50	Subtransmission	Subtransmission	TRK 2206	903	72972	EQUIPMENT FAILURE
6/2/2018 23:10	6/2/2018 23:20	Subtransmission	Subtransmission	TRK 2206			EQUIPMENT FAILURE
6/2/2018 16:30	6/2/2018 22:50	Subtransmission	Subtransmission	TRK 2206	837	72130	EQUIPMENT FAILURE
6/2/2018 21:24	6/2/2018 22:50	Subtransmission	Subtransmission	TRK 2206	1270	110543	EQUIPMENT FAILURE
6/2/2018 21:24	6/2/2018 22:50	Subtransmission	Subtransmission	TRK 2206	1097	88291	EQUIPMENT FAILURE
6/2/2018 21:24	6/2/2018 22:50	Subtransmission	Subtransmission	TRK 2206	831	70781	EQUIPMENT FAILURE
6/12/2018 12:48	6/12/2018 17:03	Subtransmission	None	TRK 6938			EQUIPMENT FAILURE
6/17/2018 13:42	6/17/2018 16:36	Subtransmission	None	TRK 3546			EQUIPMENT FAILURE
6/17/2018 13:58	6/17/2018 21:33	Subtransmission	None	TRK 3546			EQUIPMENT FAILURE
8/6/2018 16:02	8/6/2018 18:49	Subtransmission	None	TIE 5513			EQUIPMENT FAILURE
9/13/2018 13:27	9/13/2018 18:32	Subtransmission	None	TIE 3209			EQUIPMENT FAILURE
9/13/2018 14:36	9/13/2018 18:00	Subtransmission	Distribution	TIE 3209	573	105726	EQUIPMENT FAILURE
9/21/2018 16:09	9/21/2018 17:50	Subtransmission	None	TRK 2302			EQUIPMENT FAILURE
9/25/2018 12:00	9/25/2018 17:36	Subtransmission	None	TRK 1248			EQUIPMENT FAILURE
10/6/2018 18:56	10/8/2018 3:48	Subtransmission	None	TIE 3705			EQUIPMENT FAILURE
10/6/2018 18:30	10/7/2018 16:21	Subtransmission	None	TIE 3705			EQUIPMENT FAILURE
10/6/2018 18:21	10/7/2018 21:30	Subtransmission	Distribution	TIE 3705	113	129529	EQUIPMENT FAILURE
11/9/2018 18:40	11/9/2018 21:18	Subtransmission	None	TRK 5917			EQUIPMENT FAILURE
12/8/2018 16:00	12/8/2018 16:16	Subtransmission	None	TIE 5829			EQUIPMENT FAILURE
1/7/2019 17:33	1/8/2019 14:00	Subtransmission	None	TIE 9123			EQUIPMENT FAILURE
2/8/2019 6:45	2/8/2019 15:39	Subtransmission	None	TIE 4523			EQUIPMENT FAILURE
2/24/2019 11:40	2/25/2019 15:52	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
2/24/2019 11:40	2/25/2019 15:52	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
2/24/2019 17:44	2/25/2019 19:13	Subtransmission	Distribution	TIE 4105	506	637615	EQUIPMENT FAILURE
2/24/2019 21:43	2/25/2019 4:44	Subtransmission	Distribution	TIE 4105	459	192714	EQUIPMENT FAILURE
2/24/2019 21:43	2/25/2019 4:44	Subtransmission	Distribution	TIE 4105	459	192714	EQUIPMENT FAILURE
2/24/2019 20:23	2/26/2019 13:52	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE

2/24/2019 20:23	2/26/2019 13:52	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
2/24/2019 21:42	2/25/2019 4:44	Subtransmission	Distribution	TIE 4105	820	345745	EQUIPMENT FAILURE
2/24/2019 21:45	2/25/2019 20:00	Subtransmission	Distribution	TIE 4105	85	107258	EQUIPMENT FAILURE
2/25/2019 10:01	2/26/2019 10:20	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
3/9/2019 20:27	3/10/2019 3:22	Subtransmission	None	TRK 8403			EQUIPMENT FAILURE
3/13/2019 10:44	3/13/2019 14:42	Subtransmission	None	TIE 6602			EQUIPMENT FAILURE
3/13/2019 10:38	3/13/2019 12:35	Subtransmission	Distribution	TIE 6602	1216	142402	EQUIPMENT FAILURE
3/15/2019 19:33	3/16/2019 1:37	Subtransmission	None	TIE 6602			EQUIPMENT FAILURE
3/15/2019 21:35	3/17/2019 2:15	Subtransmission	None	TIE 6602			EQUIPMENT FAILURE
3/15/2019 20:50	3/16/2019 20:56	Subtransmission	Distribution	TIE 6602	2	38	EQUIPMENT FAILURE
4/2/2019 20:01	4/2/2019 20:50	Subtransmission	Substation	TRK 7035	2599	146244	EQUIPMENT FAILURE
4/12/2019 18:14	4/13/2019 5:06	Subtransmission	None	TRK 1340			EQUIPMENT FAILURE
4/12/2019 17:42	4/12/2019 19:40	Subtransmission	Distribution	TRK 1340	615	70496	EQUIPMENT FAILURE
4/12/2019 17:59	4/12/2019 20:41	Subtransmission	None	TRK 1340			EQUIPMENT FAILURE
4/12/2019 17:52	4/12/2019 19:54	Subtransmission	None	TRK 1340			EQUIPMENT FAILURE
4/12/2019 17:42	4/12/2019 19:40	Subtransmission	Distribution	TRK 1340	765	87683	EQUIPMENT FAILURE
4/14/2019 11:47	4/14/2019 15:15	Subtransmission	None	TIE 4523			EQUIPMENT FAILURE
6/25/2019 19:45	6/26/2019 0:15	Subtransmission	None	TRK 1418			EQUIPMENT FAILURE
6/25/2019 8:51	6/25/2019 19:15	Subtransmission	None	TRK 1418			EQUIPMENT FAILURE
6/25/2019 19:23	6/25/2019 21:53	Subtransmission	None	TRK 1418			EQUIPMENT FAILURE
7/15/2019 15:45	7/17/2019 19:31	Subtransmission	None	TIE 9205			EQUIPMENT FAILURE
7/19/2019 20:41	7/28/2019 22:26	Subtransmission	None	TRK 1525			EQUIPMENT FAILURE
7/19/2019 23:48	7/20/2019 2:19	Subtransmission	None	TRK 1525			EQUIPMENT FAILURE
7/19/2019 20:03	7/20/2019 23:34	Subtransmission	Subtransmission	TRK 5510	431	687899	EQUIPMENT FAILURE
7/19/2019 20:05	7/20/2019 23:42	Subtransmission	Distribution	TRK 5510	595	960059	EQUIPMENT FAILURE
7/19/2019 20:03	7/20/2019 23:33	Subtransmission	Subtransmission	TRK 5510	730	1300793	EQUIPMENT FAILURE
7/19/2019 20:04	7/20/2019 23:41	Subtransmission	Subtransmission	TRK 5510	30	48233	EQUIPMENT FAILURE
7/20/2019 8:35	7/21/2019 18:07	Subtransmission	None	TRK 5510			EQUIPMENT FAILURE
7/29/2019 14:17	7/30/2019 6:50	Subtransmission	None	TRK 1525			EQUIPMENT FAILURE
8/6/2019 9:54	8/6/2019 11:14	Subtransmission	None	TIE 5513			EQUIPMENT FAILURE
8/25/2019 5:16	8/25/2019 14:26	Subtransmission	None	TRK 620			EQUIPMENT FAILURE
8/27/2019 7:30	8/27/2019 20:36	Subtransmission	None	TRK 2308			EQUIPMENT FAILURE
9/14/2019 22:44	9/15/2019 19:06	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
9/28/2019 1:17	9/28/2019 4:08	Subtransmission	Distribution	TRK 3646	2074	363970	EQUIPMENT FAILURE
10/9/2019 8:10	10/9/2019 9:26	Subtransmission	None	TRK 2308			EQUIPMENT FAILURE
10/21/2019 22:21	10/22/2019 5:02	Subtransmission	None	TRK 1444			EQUIPMENT FAILURE
11/24/2019 6:33	11/24/2019 16:08	Subtransmission	None	TRK 2247			EQUIPMENT FAILURE
11/27/2019 8:52	11/29/2019 16:12	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
11/27/2019 8:35	11/27/2019 10:01	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
11/27/2019 12:52	11/27/2019 15:30	Subtransmission	None	TRK 7909			EQUIPMENT FAILURE
12/1/2019 7:01	12/1/2019 10:53	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
12/1/2019 6:39	12/1/2019 20:00	Subtransmission	Distribution	TIE 4105	182	127742	EQUIPMENT FAILURE
12/1/2019 6:39	12/1/2019 20:00	Subtransmission	Distribution	TIE 4105	182	127742	EQUIPMENT FAILURE
12/1/2019 6:39	12/1/2019 12:25	Subtransmission	Subtransmission	TIE 4105	108	36662	EQUIPMENT FAILURE
12/1/2019 6:39	12/1/2019 12:25	Subtransmission	Subtransmission	TIE 4105	108	36662	EQUIPMENT FAILURE
12/1/2019 6:52	12/1/2019 10:55	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
12/1/2019 6:39	12/1/2019 12:25	Subtransmission	Subtransmission	TIE 4105	942	323939	EQUIPMENT FAILURE
12/1/2019 6:09	12/1/2019 12:25	Subtransmission	Subtransmission	TIE 4105	552	225437	EQUIPMENT FAILURE
12/1/2019 6:09	12/1/2019 12:25	Subtransmission	Subtransmission	TIE 4105	552	225437	EQUIPMENT FAILURE
12/1/2019 6:39	12/1/2019 12:25	Subtransmission	Subtransmission	TIE4105	942	323939	EQUIPMENT FAILURE
12/1/2019 6:52	12/1/2019 10:55	Subtransmission	None	TIE4105			EQUIPMENT FAILURE
12/1/2019 7:01	12/1/2019 10:53	Subtransmission	None	TIE4105			EQUIPMENT FAILURE
12/30/2019 6:42	12/30/2019 20:46	Subtransmission	None	TRK 1346			EQUIPMENT FAILURE
12/30/2019 14:03	12/31/2019 11:36	Subtransmission	None	TRK 7150			EQUIPMENT FAILURE
1/7/2020 17:26	1/8/2020 2:38	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
2/8/2020 14:27	2/8/2020 14:41	Subtransmission	None	TRK 5510			EQUIPMENT FAILURE
3/14/2020 11:17	3/14/2020 16:23	Subtransmission	None	TRK 4971			EQUIPMENT FAILURE
3/30/2020 16:02	3/31/2020 3:52	Subtransmission	None	TIE 2025			EQUIPMENT FAILURE
4/8/2020 9:33	4/9/2020 5:39	Subtransmission	None	TRK 8405			EQUIPMENT FAILURE
4/13/2020 13:04	4/13/2020 18:59	Subtransmission	Distribution	TIE 2809	327	105672	EQUIPMENT FAILURE
4/13/2020 16:55	4/14/2020 14:07	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
4/29/2020 18:14	4/30/2020 1:30	Subtransmission	Distribution	TRK 2806	1213	135470	EQUIPMENT FAILURE
5/15/2020 22:34	5/16/2020 2:40	Subtransmission	Distribution	TIE 4104	67	15119	EQUIPMENT FAILURE
6/7/2020 8:56	6/7/2020 18:54	Subtransmission	None	TIE 6938			EQUIPMENT FAILURE
6/7/2020 8:56	6/7/2020 18:54	Subtransmission	None	TIE 6938			EQUIPMENT FAILURE
6/12/2020 10:07	6/12/2020 19:36	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
6/19/2020 0:06	6/19/2020 15:01	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
7/10/2020 17:52	7/12/2020 17:54	Subtransmission	None	TRK 3206			EQUIPMENT FAILURE
7/14/2020 12:28	7/14/2020 14:35	Subtransmission	None	TIE 1467			EQUIPMENT FAILURE
7/19/2020 20:26	7/22/2020 14:03	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
7/19/2020 22:19	7/20/2020 15:50	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
8/8/2020 2:41	8/9/2020 20:02	Subtransmission	None	TRK 1121			EQUIPMENT FAILURE
8/9/2020 19:03	8/10/2020 8:59	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
8/9/2020 18:50	8/10/2020 4:02	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
8/28/2020 8:16	8/28/2020 16:18	Subtransmission	Distribution	TRK 2305	3	206	EQUIPMENT FAILURE
8/28/2020 9:12	8/28/2020 12:07	Subtransmission	None	TRK 2305			EQUIPMENT FAILURE
8/28/2020 6:26	8/28/2020 20:45	Subtransmission	None	TRK 2305			EQUIPMENT FAILURE
9/17/2020 8:47	9/17/2020 8:55	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
10/21/2020 1:29	10/21/2020 5:41	Subtransmission	None	TRK 5404			EQUIPMENT FAILURE
10/28/2020 17:40	10/28/2020 21:29	Subtransmission	None	TRK 2418			EQUIPMENT FAILURE
10/28/2020 16:01	10/28/2020 18:21	Subtransmission	None	TRK 2418			EQUIPMENT FAILURE
10/30/2020 21:38	10/31/2020 2:36	Subtransmission	None	TRK 2313			EQUIPMENT FAILURE
10/30/2020 21:45	10/30/2020 23:47	Subtransmission	None	TRK 2313			EQUIPMENT FAILURE
11/15/2020 14:36	11/18/2020 15:05	Subtransmission	None	TRK 2319			EQUIPMENT FAILURE
11/16/2020 8:09	11/19/2020 18:54	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
11/18/2020 6:41	11/18/2020 10:53	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
11/20/2020 9:14	12/5/2020 18:58	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
11/22/2020 13:45	11/22/2020 19:15	Subtransmission	None	TIE 1318			EQUIPMENT FAILURE
11/22/2020 20:14	11/23/2020 0:34	Subtransmission	Distribution	TRK 2319	123	23518	EQUIPMENT FAILURE
12/1/2020 1:02	12/1/2020 20:21	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
12/18/2020 18:43	12/18/2020 20:12	Subtransmission	Distribution	TIE 3535	1615	62098	EQUIPMENT FAILURE
12/26/2020 15:08	12/26/2020 17:35	Subtransmission	None	TIE 9111			EQUIPMENT FAILURE
1/9/2021 11:38	1/10/2021 5:26	Subtransmission	None	TRK 5935			EQUIPMENT FAILURE
1/12/2021 11:23	1/12/2021 14:56	Subtransmission	None	TRK 2742			EQUIPMENT FAILURE
2/16/2021 6:24	2/16/2021 15:21	Subtransmission	None	TRK 4316			EQUIPMENT FAILURE
2/16/2021 6:02	2/16/2021 11:05	Subtransmission	None	TRK 4316			EQUIPMENT FAILURE
3/2/2021 10:10	3/2/2021 12:07	Subtransmission	None	TRK 2002			EQUIPMENT FAILURE
3/11/2021 15:10	3/11/2021 21:24	Subtransmission	None	TRK 2250			EQUIPMENT FAILURE
3/18/2021 10:36	3/18/2021 20:53	Subtransmission	None	TRK 2713			EQUIPMENT FAILURE
3/18/2021 17:38	3/19/2021 13:26	Subtransmission	None	TRK 4911			EQUIPMENT FAILURE
3/25/2021 23:59	3/26/2021 8:41	Subtransmission	Distribution	TIE 1224	451	227080	EQUIPMENT FAILURE
3/25/2021 22:24	3/26/2021 0:10	Subtransmission	Distribution	TIE 1224	923	63267	EQUIPMENT FAILURE
3/25/2021 22:24	3/26/2021 0:10	Subtransmission	Distribution	TIE 1224	366	25455	EQUIPMENT FAILURE
3/26/2021 2:58	3/26/2021 20:31	Subtransmission	None	TRK 1251			EQUIPMENT FAILURE
3/26/2021 7:43	3/26/2021 20:29	Subtransmission	Distribution	TRK 1251	1	450	EQUIPMENT FAILURE

3/26/2021 16:37	3/26/2021 21:36	Subtransmission	Distribution	TRK 2005	1	318	EQUIPMENT FAILURE
3/26/2021 21:16	3/28/2021 21:22	Subtransmission	None	TRK 2005			EQUIPMENT FAILURE
3/26/2021 23:05	3/27/2021 5:30	Subtransmission	Distribution	TRK 2005	2	1000	EQUIPMENT FAILURE
3/26/2021 6:40	3/26/2021 19:14	Subtransmission	None	TRK 2005			EQUIPMENT FAILURE
3/28/2021 8:21	3/28/2021 10:20	Subtransmission	Distribution	TIE 9107	558	68836	EQUIPMENT FAILURE
3/28/2021 8:21	3/28/2021 10:20	Subtransmission	Distribution	TIE 9107	21	2585	EQUIPMENT FAILURE
4/15/2021 17:06	4/15/2021 17:31	Subtransmission	Subtransmission	TIE 4428	910	18526	EQUIPMENT FAILURE
4/15/2021 17:06	4/15/2021 17:57	Subtransmission	Subtransmission	TIE 4428	1096	22318	EQUIPMENT FAILURE
4/15/2021 17:06	4/15/2021 17:31	Subtransmission	Subtransmission	TIE 4428	823	16792	EQUIPMENT FAILURE
4/15/2021 16:45	4/16/2021 5:15	Subtransmission	Distribution	TRK 2918	1	470	EQUIPMENT FAILURE
4/15/2021 18:55	4/15/2021 19:07	Subtransmission	Distribution	TRK 2918	2127	18559	EQUIPMENT FAILURE
4/15/2021 18:57	4/15/2021 19:07	Subtransmission	Distribution	TRK 2918	51	445	EQUIPMENT FAILURE
4/16/2021 1:03	4/16/2021 2:30	Subtransmission	Distribution	TRK 2918	5	442	EQUIPMENT FAILURE
4/16/2021 1:20	4/16/2021 5:15	Subtransmission	None	TRK 2918			EQUIPMENT FAILURE
4/29/2021 16:53	4/29/2021 21:01	Subtransmission	Distribution	TRK 6919	1	38	EQUIPMENT FAILURE
5/19/2021 17:03	5/19/2021 18:06	Subtransmission	None	TRK 2107			EQUIPMENT FAILURE
5/23/2021 1:32	5/23/2021 14:40	Subtransmission	None	TRK 3124			EQUIPMENT FAILURE
5/24/2021 9:25	5/24/2021 10:07	Subtransmission	Distribution	TRK 2806	493	21489	EQUIPMENT FAILURE
5/24/2021 9:25	5/24/2021 10:07	Subtransmission	Distribution	TRK 2806	285	12400	EQUIPMENT FAILURE
5/24/2021 10:50	5/24/2021 14:36	Subtransmission	None	TRK 2806			EQUIPMENT FAILURE
5/27/2021 10:55	5/27/2021 20:13	Subtransmission	None	TRK 385			EQUIPMENT FAILURE
6/30/2021 7:29	6/30/2021 9:04	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
6/30/2021 7:05	6/30/2021 9:06	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
6/30/2021 7:00	7/1/2021 19:26	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
7/7/2021 17:29	7/8/2021 8:26	Subtransmission	None	TRK 5906			EQUIPMENT FAILURE
8/12/2021 18:27	8/13/2021 15:20	Subtransmission	None	TIE 2812			EQUIPMENT FAILURE
8/12/2021 2:24	8/13/2021 19:34	Subtransmission	None	TIE 5208			EQUIPMENT FAILURE
8/14/2021 22:03	8/15/2021 19:05	Subtransmission	None	TIE 1423			EQUIPMENT FAILURE
8/17/2021 17:15	8/19/2021 15:13	Subtransmission	None	TRK 4316			EQUIPMENT FAILURE
8/18/2021 17:30	8/18/2021 20:11	Subtransmission	None	TRK 7909			EQUIPMENT FAILURE
8/18/2021 17:02	8/18/2021 17:29	Subtransmission	None	TRK 7913			EQUIPMENT FAILURE
8/25/2021 7:06	8/25/2021 17:35	Subtransmission	Distribution	TRK 2301	1	1175	EQUIPMENT FAILURE
8/25/2021 0:12	8/25/2021 20:24	Subtransmission	None	TRK 2301			EQUIPMENT FAILURE
8/25/2021 7:06	8/26/2021 17:37	Subtransmission	None	TRK 2301			EQUIPMENT FAILURE
8/30/2021 7:51	8/30/2021 13:04	Subtransmission	None	TIE 1568			EQUIPMENT FAILURE
9/15/2021 22:17	9/16/2021 18:01	Subtransmission	None	TRK 4316			EQUIPMENT FAILURE
9/21/2021 21:44	9/22/2021 19:38	Subtransmission	None	TRK 6508			EQUIPMENT FAILURE
9/22/2021 12:02	9/24/2021 20:34	Subtransmission	None	TIE 3208			EQUIPMENT FAILURE
9/22/2021 11:58	9/25/2021 0:51	Subtransmission	Distribution	TIE 3208	1263	3965392	EQUIPMENT FAILURE
9/22/2021 11:49	9/22/2021 12:59	Subtransmission	Distribution	TIE 3208	208	26786	EQUIPMENT FAILURE
9/22/2021 6:22	9/22/2021 22:36	Subtransmission	Distribution	TRK 6508	1	581	EQUIPMENT FAILURE
9/24/2021 12:24	9/27/2021 18:55	Subtransmission	None	TRK 5411			EQUIPMENT FAILURE
10/29/2021 19:28	11/5/2021 15:33	Subtransmission	None	TIE 1568			EQUIPMENT FAILURE
11/15/2021 8:02	11/15/2021 14:56	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
11/18/2021 14:47	11/18/2021 17:57	Subtransmission	None	TRK 1459			EQUIPMENT FAILURE
11/22/2021 13:41	11/23/2021 10:34	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
11/22/2021 17:12	11/22/2021 21:07	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
12/2/2021 15:53	12/3/2021 23:06	Subtransmission	None	TRK 1267			EQUIPMENT FAILURE
12/6/2021 14:39	12/9/2021 19:52	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
12/13/2021 14:31	12/13/2021 16:34	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
12/13/2021 14:11	12/14/2021 4:52	Subtransmission	None	TIE 6138			EQUIPMENT FAILURE
12/19/2021 12:49	12/19/2021 22:31	Subtransmission	None	TRK 8409			EQUIPMENT FAILURE
1/10/2022 11:17	1/12/2022 15:45	Subtransmission	None	TIE4105			EQUIPMENT FAILURE
1/22/2022 2:10	1/22/2022 20:00	Subtransmission	None	TRK 4911			EQUIPMENT FAILURE
1/23/2022 15:04	1/23/2022 16:30	Subtransmission	None	TRK 4911			EQUIPMENT FAILURE
2/1/2022 19:27	2/2/2022 3:02	Subtransmission	Distribution	TRK 3536	199	91475	EQUIPMENT FAILURE
2/21/2022 12:41	2/21/2022 14:39	Subtransmission	None	TRK 2907			EQUIPMENT FAILURE
2/25/2022 14:09	2/25/2022 20:47	Subtransmission	None	TRK 6741			EQUIPMENT FAILURE
3/5/2022 12:26	3/6/2022 17:55	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE
3/19/2022 12:31	3/19/2022 14:28	Subtransmission	None	TRK 2918			EQUIPMENT FAILURE
3/19/2022 13:12	3/19/2022 20:00	Subtransmission	Distribution	TRK 2918	656	215158	EQUIPMENT FAILURE
3/23/2022 5:20	3/23/2022 21:21	Subtransmission	None	TRK 4911			EQUIPMENT FAILURE
3/31/2022 15:58	4/1/2022 21:10	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
3/31/2022 11:17	3/31/2022 16:41	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
3/31/2022 8:21	4/1/2022 21:16	Subtransmission	None	TRK 6508			EQUIPMENT FAILURE
4/6/2022 23:47	4/7/2022 5:11	Subtransmission	Distribution	TIE 1268	148	47767	EQUIPMENT FAILURE
4/6/2022 23:47	4/7/2022 5:11	Subtransmission	Distribution	TIE 1268	376	120965	EQUIPMENT FAILURE
4/6/2022 23:47	4/7/2022 5:48	Subtransmission	Distribution	TIE 1268	431	159046	EQUIPMENT FAILURE
4/6/2022 23:48	4/7/2022 3:11	Subtransmission	Distribution	TRK 1243	535	81233	EQUIPMENT FAILURE
4/6/2022 23:47	4/7/2022 3:11	Subtransmission	Distribution	TRK 1243	367	55711	EQUIPMENT FAILURE
4/6/2022 23:48	4/7/2022 5:48	Subtransmission	Distribution	TRK 1280	308	99045	EQUIPMENT FAILURE
4/6/2022 23:50	4/7/2022 5:07	Subtransmission	Subtransmission	TRK 1280	210	67522	EQUIPMENT FAILURE
4/6/2022 23:47	4/7/2022 6:32	Subtransmission	Distribution	TRK 1280	822	330567	EQUIPMENT FAILURE
4/6/2022 11:01	4/7/2022 6:32	Subtransmission	Distribution	TRK 1280	1657	593725	EQUIPMENT FAILURE
4/6/2022 23:47	4/7/2022 5:10	Subtransmission	Distribution	TRK 1280	1887	606927	EQUIPMENT FAILURE
4/6/2022 23:48	4/7/2022 5:13	Subtransmission	Distribution	TRK 1280	40	13273	EQUIPMENT FAILURE
4/7/2022 0:08	4/7/2022 6:15	Subtransmission	None	TIE 1268			EQUIPMENT FAILURE
4/7/2022 6:55	4/7/2022 23:12	Subtransmission	None	TIE 1268			EQUIPMENT FAILURE
4/7/2022 0:04	4/7/2022 21:36	Subtransmission	None	TIE 1268			EQUIPMENT FAILURE
4/7/2022 0:32	4/7/2022 6:13	Subtransmission	Distribution	TRK 1280	2	807	EQUIPMENT FAILURE
4/13/2022 15:51	4/13/2022 23:40	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
4/19/2022 19:45	4/20/2022 5:02	Subtransmission	Distribution	TRK 5935	2217	256603	EQUIPMENT FAILURE
4/19/2022 19:51	4/21/2022 4:36	Subtransmission	None	TRK 5935			EQUIPMENT FAILURE
4/22/2022 8:36	4/22/2022 15:22	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
5/10/2022 16:07	5/11/2022 20:30	Subtransmission	None	TRK 3124			EQUIPMENT FAILURE
5/18/2022 16:26	5/18/2022 19:00	Subtransmission	Distribution	TRK 2931	633	62865	EQUIPMENT FAILURE
5/18/2022 16:35	5/19/2022 0:16	Subtransmission	None	TRK 2931			EQUIPMENT FAILURE
6/1/2022 12:34	6/1/2022 20:35	Subtransmission	None	TRK 7756			EQUIPMENT FAILURE
6/1/2022 12:28	6/2/2022 11:31	Subtransmission	None	TRK 7756			EQUIPMENT FAILURE
6/1/2022 12:32	6/1/2022 20:35	Subtransmission	None	TRK 7756			EQUIPMENT FAILURE
6/1/2022 12:20	6/1/2022 20:35	Subtransmission	Substation	TRK 7756	18	8244	EQUIPMENT FAILURE
6/7/2022 7:06	6/7/2022 9:40	Subtransmission	Distribution	TRK 2308			EQUIPMENT FAILURE
6/7/2022 9:03	6/7/2022 9:58	Subtransmission	None	TRK 2308			EQUIPMENT FAILURE
6/7/2022 7:14	6/7/2022 20:48	Subtransmission	None	TRK 2308			EQUIPMENT FAILURE
6/7/2022 7:15	6/7/2022 12:47	Subtransmission	None	TRK 2308			EQUIPMENT FAILURE
6/9/2022 6:15	6/9/2022 11:16	Subtransmission	None	TRK 2715			EQUIPMENT FAILURE
6/13/2022 21:04	6/14/2022 6:48	Subtransmission	Distribution	TIE 1473	231	88987	EQUIPMENT FAILURE
6/14/2022 6:41	6/14/2022 14:02	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
6/27/2022 18:26	6/28/2022 13:02	Subtransmission	None	TRK 6722			EQUIPMENT FAILURE
6/27/2022 17:09	6/27/2022 18:58	Subtransmission	Distribution	TRK 6722	1577	174909	EQUIPMENT FAILURE
6/27/2022 17:09	6/27/2022 18:58	Subtransmission	Distribution	TRK 6722	1180	131443	EQUIPMENT FAILURE
6/28/2022 17:15	7/2/2022 23:32	Subtransmission	None	TRK 6722			EQUIPMENT FAILURE
6/28/2022 11:37	6/29/2022 3:22	Subtransmission	None	TRK 6722			EQUIPMENT FAILURE
7/6/2022 12:59	7/6/2022 18:53	Subtransmission	None	TIE 1318			EQUIPMENT FAILURE
7/6/2022 11:17	7/6/2022 11:30	Subtransmission	Distribution	TIE 1318	1	11	EQUIPMENT FAILURE

7/6/2022 11:17	7/6/2022 18:00	Subtransmission	Distribution	TIE 1318	2852	497660	EQUIPMENT FAILURE
7/6/2022 11:23	7/6/2022 11:30	Subtransmission	Distribution	TIE 1318			EQUIPMENT FAILURE
7/6/2022 11:19	7/6/2022 18:00	Subtransmission	Distribution	TIE 1318			EQUIPMENT FAILURE
7/6/2022 12:59	7/6/2022 18:53	Subtransmission	None	TIE 1318			EQUIPMENT FAILURE
7/6/2022 11:18	7/6/2022 18:00	Subtransmission	Distribution	TIE 1318	1712	298734	EQUIPMENT FAILURE
7/6/2022 13:04	7/6/2022 18:53	Subtransmission	None	TIE 1318			EQUIPMENT FAILURE
7/6/2022 12:54	7/6/2022 16:20	Subtransmission	None	TIE 1318			EQUIPMENT FAILURE
7/6/2022 13:03	7/6/2022 16:46	Subtransmission	None	TIE 1318			EQUIPMENT FAILURE
7/6/2022 12:56	7/6/2022 17:13	Subtransmission	None	TIE 1318			EQUIPMENT FAILURE
7/6/2022 15:12	7/7/2022 13:25	Subtransmission	None	TRK 7756			EQUIPMENT FAILURE
7/6/2022 15:38	7/6/2022 18:20	Subtransmission	None	TRK 7756			EQUIPMENT FAILURE
7/29/2022 15:35	7/30/2022 1:28	Subtransmission	None	TRK 3543			EQUIPMENT FAILURE
8/21/2022 1:18	8/21/2022 16:50	Subtransmission	Distribution	TRK 3124	1257	169436	EQUIPMENT FAILURE
8/29/2022 19:13	9/1/2022 20:49	Subtransmission	None	TRK 2313			EQUIPMENT FAILURE
8/29/2022 18:12	8/31/2022 12:15	Subtransmission	Distribution	TRK 6938	2840	7035793	EQUIPMENT FAILURE
8/29/2022 19:49	8/31/2022 20:01	Subtransmission	None	TRK 6938			EQUIPMENT FAILURE
8/29/2022 18:13	8/31/2022 12:15	Subtransmission	Distribution	TRK 6938	250	619065	EQUIPMENT FAILURE
8/30/2022 9:43	8/31/2022 22:24	Subtransmission	Distribution	TRK 2713	1	413	EQUIPMENT FAILURE
8/30/2022 11:06	8/30/2022 20:58	Subtransmission	None	TRK 5938			EQUIPMENT FAILURE
8/30/2022 10:30	8/30/2022 19:30	Subtransmission	None	TRK 5938			EQUIPMENT FAILURE
9/26/2022 16:40	9/26/2022 23:18	Subtransmission	Distribution	TRK 2027	1683	109079	EQUIPMENT FAILURE
9/26/2022 16:47	9/27/2022 21:12	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
9/26/2022 17:10	9/27/2022 4:33	Subtransmission	None	TRK 2027			EQUIPMENT FAILURE
10/2/2022 14:38	10/3/2022 0:39	Subtransmission	Distribution	TIE 6907	1	128	EQUIPMENT FAILURE
10/17/2022 16:39	10/18/2022 6:01	Subtransmission	None	TRK 1418			EQUIPMENT FAILURE
10/17/2022 16:28	10/17/2022 23:30	Subtransmission	Distribution	TRK 1418	1145	227453	EQUIPMENT FAILURE
10/19/2022 11:20	10/19/2022 20:10	Subtransmission	Distribution	TIE 6907	21	8350	EQUIPMENT FAILURE
10/26/2022 9:06	10/26/2022 9:13	Subtransmission	None	TRK 3107			EQUIPMENT FAILURE
11/5/2022 13:34	11/7/2022 20:46	Subtransmission	None	TRK 2032			EQUIPMENT FAILURE
11/5/2022 20:35	11/6/2022 15:05	Subtransmission	Distribution	TRK 4316	1063	714206	EQUIPMENT FAILURE
11/5/2022 21:53	11/6/2022 14:25	Subtransmission	Distribution	TRK 4316	1026	1079506	EQUIPMENT FAILURE
11/5/2022 21:05	11/6/2022 15:43	Subtransmission	None	TRK 4316			EQUIPMENT FAILURE
11/25/2022 17:09	11/25/2022 17:18	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
11/25/2022 3:23	11/25/2022 4:45	Subtransmission	Distribution	TRK 2250	1	80	EQUIPMENT FAILURE
11/27/2022 18:20	11/27/2022 21:51	Subtransmission	None	TIE 2812			EQUIPMENT FAILURE
11/27/2022 14:41	11/27/2022 21:25	Subtransmission	None	TIE 6310			EQUIPMENT FAILURE
12/6/2022 11:54	12/6/2022 17:10	Subtransmission	None	TRK 1518			EQUIPMENT FAILURE
12/26/2022 16:32	12/27/2022 2:58	Subtransmission	None	TIE 4109			EQUIPMENT FAILURE
12/30/2022 23:58	12/31/2022 19:15	Subtransmission	Distribution	TIE 1540	1	1161	EQUIPMENT FAILURE
12/31/2022 0:33	12/31/2022 21:23	Subtransmission	None	TIE 1540			EQUIPMENT FAILURE
2/6/2023 17:39	4/13/2023 22:29	Subtransmission		TRK 1251			EQUIPMENT FAILURE
2/6/2023 15:15	2/6/2023 18:03	Subtransmission		TRK 1251			EQUIPMENT FAILURE
2/16/2023 11:16	2/18/2023 23:23	Subtransmission		TIE 7733			EQUIPMENT FAILURE
2/19/2023 10:22	5/10/2023 10:53	Subtransmission		TIE 2812			EQUIPMENT FAILURE
2/19/2023 2:57	2/19/2023 10:23	Subtransmission		TIE 2812			EQUIPMENT FAILURE
2/25/2023 6:09	2/25/2023 20:53	Subtransmission		TRK 3632			EQUIPMENT FAILURE
2/27/2023 14:39	3/4/2023 10:03	Subtransmission		TRK 2027			EQUIPMENT FAILURE
3/3/2023 19:44	3/4/2023 21:38	Subtransmission		TIE 7745			EQUIPMENT FAILURE
3/3/2023 19:42	3/4/2023 18:03	Subtransmission		TIE 7745			EQUIPMENT FAILURE
3/8/2023 4:20	3/8/2023 20:35	Subtransmission		TRK 652			EQUIPMENT FAILURE
3/9/2023 11:44	3/9/2023 15:34	Subtransmission		TRK 7035			EQUIPMENT FAILURE
3/25/2023 15:50	3/27/2023 14:55	Subtransmission		TRK 2027			EQUIPMENT FAILURE
3/25/2023 15:38	3/31/2023 11:09	Subtransmission		TRK 2027			EQUIPMENT FAILURE
3/26/2023 5:30	3/28/2023 15:17	Subtransmission		TRK 2027			EQUIPMENT FAILURE
3/27/2023 18:52	4/4/2023 17:05	Subtransmission		TRK 2027			EQUIPMENT FAILURE
3/27/2023 14:55	2/20/2024 6:17	Subtransmission		TRK 2027			EQUIPMENT FAILURE
3/31/2023 11:52	7/11/2023 22:30	Subtransmission		TRK 4316			EQUIPMENT FAILURE
4/1/2023 13:10	4/1/2023 15:08	Subtransmission	Circuit Level	TRK 2038			EQUIPMENT FAILURE
4/1/2023 20:25	7/9/2023 20:24	Subtransmission		TRK 2038			EQUIPMENT FAILURE
4/1/2023 12:48	4/5/2023 11:54	Subtransmission	Device (II)	TRK 2038			EQUIPMENT FAILURE
4/1/2023 12:53	4/1/2023 20:27	Subtransmission		TRK 2038			EQUIPMENT FAILURE
4/1/2023 12:53	4/1/2023 19:49	Subtransmission		TRK 2038			EQUIPMENT FAILURE
4/1/2023 13:14	4/1/2023 21:57	Subtransmission	Circuit Level	TRK 2038	2841	479881	EQUIPMENT FAILURE
4/1/2023 12:43	4/5/2023 11:55	Subtransmission	Device (II)	TRK 2038			EQUIPMENT FAILURE
4/9/2023 11:24	4/10/2023 5:33	Subtransmission	Service Transformer	TRK 3557	11	453	EQUIPMENT FAILURE
4/9/2023 15:18	4/10/2023 3:00	Subtransmission		TRK 3557			EQUIPMENT FAILURE
4/12/2023 8:13	6/19/2023 22:29	Subtransmission		TIE 1467			EQUIPMENT FAILURE
4/12/2023 19:03	4/21/2023 9:34	Subtransmission		TRK 2016			EQUIPMENT FAILURE
4/12/2023 15:23	4/13/2023 5:32	Subtransmission		TRK 3557			EQUIPMENT FAILURE
4/13/2023 11:24	4/24/2023 6:58	Subtransmission		TIE 1268			EQUIPMENT FAILURE
4/13/2023 16:30	4/16/2023 5:16	Subtransmission		TRK 3557			EQUIPMENT FAILURE
4/16/2023 14:06	4/21/2023 14:01	Subtransmission		TRK 5938			EQUIPMENT FAILURE
4/17/2023 12:38	5/2/2023 8:52	Subtransmission		TRK 7602			EQUIPMENT FAILURE
4/17/2023 7:00	4/17/2023 12:40	Subtransmission		TRK 7602			EQUIPMENT FAILURE
4/18/2023 14:09	4/18/2023 21:33	Subtransmission	Subtransmission	TIE 7733	7081	664604	EQUIPMENT FAILURE
4/18/2023 9:40	4/18/2023 17:19	Subtransmission		TRK 3557			EQUIPMENT FAILURE
4/21/2023 9:34	2/20/2024 6:18	Subtransmission		TRK 2016			EQUIPMENT FAILURE
4/21/2023 14:01	7/11/2023 16:13	Subtransmission		TRK 5938			EQUIPMENT FAILURE
4/22/2023 11:44	4/22/2023 16:45	Subtransmission	Device (II)	TIE 7430	794	133555	EQUIPMENT FAILURE
4/22/2023 13:03	4/22/2023 17:36	Subtransmission	Single Customer	TIE 7430	1	165	EQUIPMENT FAILURE
4/22/2023 8:10	4/22/2023 16:49	Subtransmission		TIE 7430			EQUIPMENT FAILURE
4/22/2023 8:10	4/26/2023 21:07	Subtransmission		TIE 7430			EQUIPMENT FAILURE
4/22/2023 8:19	4/22/2023 17:37	Subtransmission		TIE 7430			EQUIPMENT FAILURE
4/22/2023 8:06	4/22/2023 11:10	Subtransmission	Device (II)	TIE 7430			EQUIPMENT FAILURE
4/22/2023 15:03	4/28/2023 12:42	Subtransmission		TIE 7733			EQUIPMENT FAILURE
4/26/2023 9:15	6/6/2023 22:28	Subtransmission		TIE 4605			EQUIPMENT FAILURE
5/2/2023 12:32	7/11/2023 16:26	Subtransmission		TRK 1340			EQUIPMENT FAILURE
5/2/2023 7:10	5/4/2023 10:05	Subtransmission		TRK 4911			EQUIPMENT FAILURE
5/3/2023 14:02	6/2/2023 22:26	Subtransmission		TRK 4911			EQUIPMENT FAILURE
5/8/2023 1:55	5/8/2023 4:23	Subtransmission	Substation	TRK 1525	636	75291	EQUIPMENT FAILURE
5/8/2023 2:14	5/8/2023 4:23	Subtransmission		TRK 1525			EQUIPMENT FAILURE
5/8/2023 1:29	5/8/2023 4:23	Subtransmission	Subtransmission	TRK 1525			EQUIPMENT FAILURE
5/10/2023 16:00	9/22/2023 13:51	Subtransmission		TRK 7035			EQUIPMENT FAILURE
5/31/2023 17:59	6/1/2023 1:23	Subtransmission	Device (I)	TRK 5404	7835	1795368	EQUIPMENT FAILURE
5/31/2023 17:55	5/31/2023 18:55	Subtransmission		TRK 5404			EQUIPMENT FAILURE
5/31/2023 17:49	6/1/2023 5:23	Subtransmission		TRK 5404			EQUIPMENT FAILURE
6/11/2023 23:04	6/12/2023 17:21	Subtransmission	Device (II)	TIE 7621	320	250279	EQUIPMENT FAILURE
6/11/2023 21:51	6/12/2023 1:05	Subtransmission	Subtransmission	TRK 2824	1300	126165	EQUIPMENT FAILURE
6/11/2023 22:03	6/11/2023 23:29	Subtransmission		TRK 2824			EQUIPMENT FAILURE
6/11/2023 21:51	6/14/2023 0:20	Subtransmission		TRK 2824			EQUIPMENT FAILURE
6/15/2023 18:14	6/16/2023 5:18	Subtransmission		TIE 1268			EQUIPMENT FAILURE
6/25/2023 18:31	6/26/2023 13:14	Subtransmission		TRK 1525			EQUIPMENT FAILURE
6/26/2023 13:14	7/19/2023 9:47	Subtransmission		TRK 1525			EQUIPMENT FAILURE
6/26/2023 1:19	7/5/2023 9:24	Subtransmission		TRK 5239			EQUIPMENT FAILURE
6/28/2023 19:37	8/23/2023 9:16	Subtransmission		TRK 5239			EQUIPMENT FAILURE

7/6/2023 13:48	7/7/2023 6:42	Subtransmission		TIE 7745			EQUIPMENT FAILURE
7/7/2023 6:42	9/21/2023 22:32	Subtransmission		TIE 7745			EQUIPMENT FAILURE
7/13/2023 10:03	7/15/2023 7:56	Subtransmission		TRK 7909			EQUIPMENT FAILURE
7/14/2023 16:51	7/15/2023 2:24	Subtransmission		TIE 1423			EQUIPMENT FAILURE
7/14/2023 19:47	7/15/2023 7:07	Subtransmission	Substation	TIE 1423			EQUIPMENT FAILURE
7/14/2023 17:01	7/15/2023 2:24	Subtransmission	Subtransmission	TIE 1423	2198	224070	EQUIPMENT FAILURE
7/19/2023 16:35	7/20/2023 4:32	Subtransmission		TIE 6602			EQUIPMENT FAILURE
7/20/2023 15:59	7/20/2023 22:37	Subtransmission	Subtransmission	TIE 2812	747	343525	EQUIPMENT FAILURE
7/20/2023 16:16	7/21/2023 17:23	Subtransmission		TIE 2812			EQUIPMENT FAILURE
7/20/2023 4:32	10/15/2023 6:54	Subtransmission		TIE 6602			EQUIPMENT FAILURE
7/20/2023 15:33	7/22/2023 0:14	Subtransmission	Subtransmission	TIE 6931	7186	4956133	EQUIPMENT FAILURE
7/20/2023 15:26	7/21/2023 19:58	Subtransmission		TIE 6931			EQUIPMENT FAILURE
7/20/2023 19:40	7/21/2023 5:17	Subtransmission		TIE 6931			EQUIPMENT FAILURE
7/20/2023 15:22	7/21/2023 13:37	Subtransmission		TIE 6931			EQUIPMENT FAILURE
7/20/2023 22:12	8/2/2023 9:28	Subtransmission		TIE 6931			EQUIPMENT FAILURE
7/20/2023 16:58	7/22/2023 14:05	Subtransmission		TIE 6931			EQUIPMENT FAILURE
7/20/2023 21:59	7/21/2023 21:38	Subtransmission	Circuit Level	TIE 6931	2413	4178512	EQUIPMENT FAILURE
7/21/2023 14:53	11/9/2023 22:35	Subtransmission		TRK 3650			EQUIPMENT FAILURE
7/24/2023 22:41	7/25/2023 0:33	Subtransmission		TIE 6907			EQUIPMENT FAILURE
7/25/2023 4:45	7/25/2023 6:00	Subtransmission		TIE 6907			EQUIPMENT FAILURE
7/26/2023 16:02	7/28/2023 20:13	Subtransmission		TRK 7756			EQUIPMENT FAILURE
7/26/2023 14:53	7/27/2023 19:10	Subtransmission	Circuit Level	TIE 6621	461	705127	EQUIPMENT FAILURE
7/26/2023 14:53	7/27/2023 19:13	Subtransmission	Circuit Level	TIE 6621	672	1027357	EQUIPMENT FAILURE
7/26/2023 15:27	7/27/2023 20:56	Subtransmission		TIE 6621			EQUIPMENT FAILURE
7/26/2023 15:00	7/29/2023 2:49	Subtransmission	Circuit Level	TIE 6621	969	3333567	EQUIPMENT FAILURE
7/26/2023 15:04	7/27/2023 21:49	Subtransmission	Subtransmission	TIE 6621	623	1086812	EQUIPMENT FAILURE
7/26/2023 15:42	7/28/2023 2:26	Subtransmission		TIE 6621	1	1745	EQUIPMENT FAILURE
7/26/2023 17:20	7/28/2023 3:24	Subtransmission		TIE 6621	1	1745	EQUIPMENT FAILURE
7/26/2023 15:54	7/28/2023 3:22	Subtransmission		TIE 6621			EQUIPMENT FAILURE
7/26/2023 14:58	7/27/2023 22:07	Subtransmission	Circuit Level	TIE 6621	1350	2449601	EQUIPMENT FAILURE
7/26/2023 16:21	7/28/2023 17:08	Subtransmission		TIE 6621			EQUIPMENT FAILURE
7/26/2023 18:50	8/3/2023 7:12	Subtransmission		TRK 1243			EQUIPMENT FAILURE
7/26/2023 16:15	7/28/2023 18:17	Subtransmission	Device (II)	TRK 1563	17	2762	EQUIPMENT FAILURE
7/26/2023 15:53	7/28/2023 15:52	Subtransmission		TRK 1563			EQUIPMENT FAILURE
7/26/2023 15:47	7/28/2023 15:42	Subtransmission	Subtransmission	TRK 2922	11	4600	EQUIPMENT FAILURE
7/26/2023 15:24	7/27/2023 19:32	Subtransmission		TRK 2931			EQUIPMENT FAILURE
7/26/2023 16:09	7/27/2023 21:12	Subtransmission		TRK 2931			EQUIPMENT FAILURE
7/26/2023 16:00	7/28/2023 15:15	Subtransmission		TRK 2931			EQUIPMENT FAILURE
7/26/2023 15:42	7/28/2023 15:31	Subtransmission	Subtransmission	TRK 2931	31	120467	EQUIPMENT FAILURE
7/28/2023 11:48	7/29/2023 19:07	Subtransmission		TRK 1563			EQUIPMENT FAILURE
7/28/2023 15:14	8/9/2023 5:12	Subtransmission		TRK 2922			EQUIPMENT FAILURE
8/2/2023 17:13	8/3/2023 14:16	Subtransmission		TIE 1540			EQUIPMENT FAILURE
8/3/2023 14:15	9/19/2023 11:54	Subtransmission		TIE 1540			EQUIPMENT FAILURE
8/4/2023 7:41	8/4/2023 10:05	Subtransmission		TRK 5906			EQUIPMENT FAILURE
8/4/2023 9:56	10/3/2023 22:33	Subtransmission		TRK 5906			EQUIPMENT FAILURE
8/7/2023 11:23	8/8/2023 20:20	Subtransmission	Subtransmission	TIE 3208	195	16604	EQUIPMENT FAILURE
8/7/2023 13:52	8/8/2023 1:23	Subtransmission	Subtransmission	TIE 3208	209	14209	EQUIPMENT FAILURE
8/11/2023 15:50	8/22/2023 8:53	Subtransmission		TIE 1540			EQUIPMENT FAILURE
8/22/2023 8:52	10/2/2023 11:30	Subtransmission		TIE 1540			EQUIPMENT FAILURE
8/24/2023 10:49	8/29/2023 1:20	Subtransmission		TRK 315			EQUIPMENT FAILURE
8/24/2023 10:43	8/28/2023 14:46	Subtransmission		TRK 315			EQUIPMENT FAILURE
8/24/2023 6:09	8/24/2023 14:56	Subtransmission		TRK 4405			EQUIPMENT FAILURE
8/24/2023 2:23	8/25/2023 21:17	Subtransmission	Circuit Level	TRK 4405	487	632516	EQUIPMENT FAILURE
8/24/2023 2:39	8/26/2023 12:09	Subtransmission		TRK 4405			EQUIPMENT FAILURE
8/24/2023 2:24	8/25/2023 20:09	Subtransmission	Device (II)	TRK 4509	215	113541	EQUIPMENT FAILURE
8/25/2023 2:50	8/29/2023 10:47	Subtransmission		TRK 1322			EQUIPMENT FAILURE
8/25/2023 2:41	8/26/2023 12:36	Subtransmission		TRK 1346			EQUIPMENT FAILURE
8/25/2023 17:11	1/11/2024 22:33	Subtransmission		TRK 4227			EQUIPMENT FAILURE
8/29/2023 1:49	8/29/2023 22:50	Subtransmission		TRK 2250			EQUIPMENT FAILURE
9/2/2023 4:11	9/3/2023 7:47	Subtransmission		TRK 462			EQUIPMENT FAILURE
9/3/2023 7:47	9/19/2023 9:04	Subtransmission		TRK 462			EQUIPMENT FAILURE
9/6/2023 16:54	9/6/2023 20:43	Subtransmission		TIE 7745			EQUIPMENT FAILURE
9/6/2023 10:31	9/20/2023 16:55	Subtransmission		TIE 7745			EQUIPMENT FAILURE
9/6/2023 10:42	9/6/2023 15:28	Subtransmission		TIE 7745			EQUIPMENT FAILURE
9/7/2023 10:03	9/19/2023 17:34	Subtransmission		TIE 7745			EQUIPMENT FAILURE
9/11/2023 15:47	9/19/2023 17:37	Subtransmission		TRK 2038			EQUIPMENT FAILURE
9/19/2023 17:33	10/30/2023 12:57	Subtransmission		TIE 7745			EQUIPMENT FAILURE
9/19/2023 17:37	10/30/2023 22:31	Subtransmission		TRK 2038			EQUIPMENT FAILURE
9/19/2023 17:34	12/2/2023 18:55	Subtransmission		TRK 2922			EQUIPMENT FAILURE
10/2/2023 15:06	10/3/2023 8:13	Subtransmission		TRK 3526			EQUIPMENT FAILURE
10/28/2023 13:23	10/29/2023 20:43	Subtransmission		TRK 2218			EQUIPMENT FAILURE
11/2/2023 15:00	11/3/2023 16:44	Subtransmission		TIE 1467			EQUIPMENT FAILURE
11/11/2023 8:22	11/14/2023 8:45	Subtransmission		TRK 1546			EQUIPMENT FAILURE
11/14/2023 8:45	2/5/2024 22:37	Subtransmission		TRK 1546			EQUIPMENT FAILURE
11/14/2023 6:13	12/13/2023 6:32	Subtransmission		TRK 6508			EQUIPMENT FAILURE
12/18/2023 9:10	12/18/2023 16:37	Subtransmission	Subtransmission	TIE 4109	1808	262188	EQUIPMENT FAILURE
12/18/2023 9:16	12/18/2023 16:50	Subtransmission		TIE 4109			EQUIPMENT FAILURE
12/18/2023 9:30	12/18/2023 16:51	Subtransmission	Single Customer	TIE 4109	1	145	EQUIPMENT FAILURE
12/18/2023 9:22	12/18/2023 13:04	Subtransmission	Single Customer	TIE 4109	1	144	EQUIPMENT FAILURE
12/18/2023 9:11	12/18/2023 20:21	Subtransmission	Subtransmission	TIE 4109	334	48431	EQUIPMENT FAILURE
12/18/2023 12:57	12/18/2023 17:03	Subtransmission	Subtransmission	TIE 4109			EQUIPMENT FAILURE
12/18/2023 9:11	12/18/2023 16:49	Subtransmission		TIE 4109	1	144	EQUIPMENT FAILURE
12/18/2023 13:53	2/6/2024 6:24	Subtransmission		TRK 2826			EQUIPMENT FAILURE
12/18/2023 11:33	12/18/2023 13:53	Subtransmission		TRK 2826			EQUIPMENT FAILURE
11/9/2021 10:01	11/9/2021 12:00	Subtransmission	Distribution	TRK 5127	306	36424	INTENTIONAL
4/25/2018 15:55	4/25/2018 22:56	Subtransmission	None	TRK 2032			PUBLIC INTERFERENCE
5/10/2018 14:35	5/10/2018 18:40	Subtransmission	Distribution	TRK 2659	701	172992	PUBLIC INTERFERENCE
7/5/2018 9:50	7/5/2018 11:49	Subtransmission	None	TRK 2237			PUBLIC INTERFERENCE
7/5/2018 10:06	7/5/2018 16:53	Subtransmission	None	TRK 2237			PUBLIC INTERFERENCE
8/27/2018 6:55	8/27/2018 20:53	Subtransmission	None	TRK 3646			PUBLIC INTERFERENCE
8/27/2018 12:30	8/27/2018 20:29	Subtransmission	None	TRK 3646			PUBLIC INTERFERENCE
8/28/2018 17:21	8/31/2018 20:55	Subtransmission	None	TRK 3646			PUBLIC INTERFERENCE
8/28/2018 10:37	8/28/2018 17:12	Subtransmission	None	TRK 3646			PUBLIC INTERFERENCE
9/4/2018 10:39	9/4/2018 15:37	Subtransmission	None	TRK 5411			PUBLIC INTERFERENCE
10/14/2018 6:36	10/14/2018 19:24	Subtransmission	None	TIE 185			PUBLIC INTERFERENCE
10/18/2018 20:55	10/19/2018 5:35	Subtransmission	None	TIE 6517			PUBLIC INTERFERENCE
11/14/2018 10:31	11/14/2018 17:54	Subtransmission	None	TRK 2016			PUBLIC INTERFERENCE
11/14/2018 10:36	11/14/2018 23:28	Subtransmission	None	TRK 2016			PUBLIC INTERFERENCE
11/26/2018 23:04	11/27/2018 0:42	Subtransmission	Subtransmission	TIE 5823	691	73325	PUBLIC INTERFERENCE
11/26/2018 23:04	11/27/2018 0:42	Subtransmission	Subtransmission	TIE 5823	1049	105834	PUBLIC INTERFERENCE
11/26/2018 23:04	11/27/2018 6:15	Subtransmission	Distribution	TIE 5823	244	49881	PUBLIC INTERFERENCE
11/26/2018 23:15	11/27/2018 7:43	Subtransmission	None	TIE 5823			PUBLIC INTERFERENCE
11/28/2018 23:42	11/29/2018 6:55	Subtransmission	None	TIE 5823			PUBLIC INTERFERENCE
12/12/2018 22:17	12/13/2018 0:54	Subtransmission	None	TRK 2824			PUBLIC INTERFERENCE
12/21/2018 0:04	12/21/2018 1:29	Subtransmission	None	TRK 4316			PUBLIC INTERFERENCE

1/16/2019 8:01	1/16/2019 9:05	Subtransmission	Distribution	TRK 2519	1208	75443	PUBLIC INTERFERENCE
1/18/2019 23:21	1/19/2019 20:40	Subtransmission	Distribution	TRK 1502	2	2559	PUBLIC INTERFERENCE
3/16/2019 10:43	3/18/2019 14:30	Subtransmission	None	TIE 7621			PUBLIC INTERFERENCE
8/17/2019 3:36	8/17/2019 7:00	Subtransmission	None	TRK 1303			PUBLIC INTERFERENCE
9/29/2019 17:31	9/29/2019 22:18	Subtransmission	None	TIE 7745			PUBLIC INTERFERENCE
11/17/2019 18:48	11/17/2019 21:54	Subtransmission	None	TIE 4104			PUBLIC INTERFERENCE
12/2/2019 10:17	12/2/2019 11:56	Subtransmission	None	TRK 3646			PUBLIC INTERFERENCE
12/16/2019 23:28	12/17/2019 1:56	Subtransmission	None	TRK 3646			PUBLIC INTERFERENCE
2/28/2020 21:39	2/29/2020 3:01	Subtransmission	None	TIE 3705			PUBLIC INTERFERENCE
3/13/2020 12:43	3/13/2020 21:23	Subtransmission	None	TRK 7151			PUBLIC INTERFERENCE
3/13/2020 12:24	3/13/2020 17:10	Subtransmission	Distribution	TRK 7151	2	567	PUBLIC INTERFERENCE
5/1/2020 1:11	5/2/2020 4:56	Subtransmission	None	TRK 620			PUBLIC INTERFERENCE
7/3/2020 20:37	7/4/2020 19:11	Subtransmission	None	TRK 2313			PUBLIC INTERFERENCE
7/4/2020 16:44	7/4/2020 18:22	Subtransmission	Distribution	TRK 2313	1	53	PUBLIC INTERFERENCE
7/26/2020 11:29	7/26/2020 12:44	Subtransmission	None	TRK 2510			PUBLIC INTERFERENCE
8/7/2020 6:53	8/7/2020 14:30	Subtransmission	None	TIE 3822			PUBLIC INTERFERENCE
8/7/2020 6:20	8/7/2020 6:59	Subtransmission	Distribution	TIE 3822	54	24539	PUBLIC INTERFERENCE
8/7/2020 6:34	8/7/2020 14:57	Subtransmission	None	TIE 3822			PUBLIC INTERFERENCE
8/7/2020 6:50	8/7/2020 7:11	Subtransmission	None	TIE 3822			PUBLIC INTERFERENCE
8/7/2020 6:21	8/7/2020 6:59	Subtransmission	Distribution	TIE 3822	1629	63900	PUBLIC INTERFERENCE
8/7/2020 7:25	8/7/2020 13:30	Subtransmission	Distribution	TIE 3822			PUBLIC INTERFERENCE
10/4/2020 11:22	10/4/2020 23:31	Subtransmission	None	TIE 1423			PUBLIC INTERFERENCE
1/8/2021 5:23	1/8/2021 7:33	Subtransmission	None	TIE 6117			PUBLIC INTERFERENCE
1/13/2021 18:05	1/14/2021 5:13	Subtransmission	None	TRK 2418			PUBLIC INTERFERENCE
1/13/2021 19:15	1/15/2021 8:40	Subtransmission	None	TRK 2418			PUBLIC INTERFERENCE
1/22/2021 8:51	1/22/2021 13:26	Subtransmission	None	TIE 7745			PUBLIC INTERFERENCE
1/31/2021 16:46	1/31/2021 21:48	Subtransmission	None	TRK 5817			PUBLIC INTERFERENCE
2/6/2021 9:10	2/6/2021 10:14	Subtransmission	None	TRK 6508			PUBLIC INTERFERENCE
2/6/2021 9:07	2/6/2021 15:20	Subtransmission	None	TRK 6508			PUBLIC INTERFERENCE
2/26/2021 12:19	2/26/2021 21:06	Subtransmission	None	TRK 541			PUBLIC INTERFERENCE
3/1/2021 19:12	3/1/2021 21:28	Subtransmission	None	TRK 6304			PUBLIC INTERFERENCE
3/19/2021 15:46	3/20/2021 5:48	Subtransmission	Distribution	TIE 201	97	80469	PUBLIC INTERFERENCE
3/19/2021 22:50	3/20/2021 1:11	Subtransmission	None	TRK 6304			PUBLIC INTERFERENCE
3/28/2021 15:43	3/28/2021 17:30	Subtransmission	None	TRK 3124			PUBLIC INTERFERENCE
5/8/2021 9:47	5/8/2021 18:26	Subtransmission	None	TIE 3402			PUBLIC INTERFERENCE
6/1/2021 18:44	6/2/2021 1:48	Subtransmission	None	TRK 7122			PUBLIC INTERFERENCE
9/29/2021 19:43	9/29/2021 21:10	Subtransmission	None	TRK 5935			PUBLIC INTERFERENCE
9/29/2021 20:06	9/29/2021 21:15	Subtransmission	None	TRK 5935			PUBLIC INTERFERENCE
9/29/2021 8:21	9/29/2021 15:30	Subtransmission	Distribution	TRK 5935	270	56209	PUBLIC INTERFERENCE
9/29/2021 8:31	9/29/2021 19:59	Subtransmission	None	TRK 5935			PUBLIC INTERFERENCE
10/8/2021 7:33	10/8/2021 16:56	Subtransmission	None	TRK 2713			PUBLIC INTERFERENCE
10/22/2021 7:47	10/22/2021 9:59	Subtransmission	None	TRK 2659			PUBLIC INTERFERENCE
11/27/2021 2:45	11/27/2021 6:13	Subtransmission	None	TIE 2812			PUBLIC INTERFERENCE
1/23/2022 23:26	1/24/2022 3:33	Subtransmission	None	TRK 1218			PUBLIC INTERFERENCE
2/1/2022 16:11	2/1/2022 22:00	Subtransmission	None	TRK 7909			PUBLIC INTERFERENCE
2/10/2022 12:28	2/10/2022 23:33	Subtransmission	None	TIE 7745			PUBLIC INTERFERENCE
2/14/2022 8:33	2/14/2022 11:59	Subtransmission	None	TRK 1303			PUBLIC INTERFERENCE
2/14/2022 8:09	2/14/2022 13:02	Subtransmission	None	TRK 1303			PUBLIC INTERFERENCE
3/18/2022 2:41	3/18/2022 5:21	Subtransmission	None	TRK 2313			PUBLIC INTERFERENCE
4/17/2022 11:06	4/17/2022 14:17	Subtransmission	Distribution	TRK 2038	3081	541783	PUBLIC INTERFERENCE
5/17/2022 9:44	5/17/2022 12:54	Subtransmission	Distribution	TIE 6931			PUBLIC INTERFERENCE
5/18/2022 1:54	5/18/2022 3:23	Subtransmission	Distribution	TRK 2636	246	22947	PUBLIC INTERFERENCE
5/20/2022 8:24	5/20/2022 10:30	Subtransmission	Distribution	TRK 3546	1113	104532	PUBLIC INTERFERENCE
5/21/2022 10:15	5/27/2022 6:30	Subtransmission	None	TRK 3546			PUBLIC INTERFERENCE
6/4/2022 0:20	6/4/2022 22:45	Subtransmission	None	TRK 2247			PUBLIC INTERFERENCE
6/18/2022 0:24	6/18/2022 6:10	Subtransmission	None	TRK 2411			PUBLIC INTERFERENCE
9/19/2022 12:16	9/19/2022 15:00	Subtransmission	Distribution	TIE 3417	15	2444	PUBLIC INTERFERENCE
9/30/2022 23:40	10/1/2022 1:50	Subtransmission	Distribution	TIE 4708	547	77547	PUBLIC INTERFERENCE
9/30/2022 23:39	10/1/2022 1:50	Subtransmission	Distribution	TIE 4708	627	88892	PUBLIC INTERFERENCE
10/15/2022 5:17	10/15/2022 7:07	Subtransmission	None	TRK 2313			PUBLIC INTERFERENCE
12/10/2022 8:00	12/11/2022 8:57	Subtransmission	None	TIE 9303			PUBLIC INTERFERENCE
1/12/2023 12:35	1/13/2023 5:31	Subtransmission	None	TIE 810			PUBLIC INTERFERENCE
5/13/2023 21:54	6/1/2023 7:08	Subtransmission		TIE 1423			PUBLIC INTERFERENCE
5/13/2023 20:52	5/14/2023 0:27	Subtransmission		TRK 2543			PUBLIC INTERFERENCE
5/14/2023 3:04	5/14/2023 15:26	Subtransmission		TRK 2543			PUBLIC INTERFERENCE
6/6/2023 16:46	10/24/2023 9:00	Subtransmission		TRK 2302			PUBLIC INTERFERENCE
6/6/2023 14:42	6/6/2023 16:47	Subtransmission		TRK 2302			PUBLIC INTERFERENCE
8/28/2023 17:05	9/14/2023 21:36	Subtransmission		TRK 1251			PUBLIC INTERFERENCE
8/28/2023 14:16	8/30/2023 18:54	Subtransmission		TRK 2313			PUBLIC INTERFERENCE
9/17/2023 9:17	9/18/2023 4:45	Subtransmission		TRK 5145			PUBLIC INTERFERENCE
9/17/2023 8:41	9/17/2023 21:25	Subtransmission		TRK 5145			PUBLIC INTERFERENCE
10/16/2023 13:22	10/17/2023 6:07	Subtransmission		TRK 2250			PUBLIC INTERFERENCE
11/20/2023 18:37	11/21/2023 6:57	Subtransmission		TRK 2107			PUBLIC INTERFERENCE
11/20/2023 18:33	11/21/2023 0:01	Subtransmission		TRK 2107			PUBLIC INTERFERENCE
12/4/2023 13:30	12/5/2023 13:53	Subtransmission		TRK 1248			PUBLIC INTERFERENCE
5/4/2018 19:15	5/5/2018 21:15	Subtransmission	None	TIE 3241			TREE
5/4/2018 13:08	5/4/2018 18:15	Subtransmission	None	TIE 4104			TREE
5/4/2018 18:11	5/9/2018 5:03	Subtransmission	None	TIE 4104			TREE
5/4/2018 18:22	5/7/2018 18:14	Subtransmission	None	TIE 4105			TREE
5/4/2018 16:40	5/7/2018 12:47	Subtransmission	None	TIE 4105			TREE
5/4/2018 18:34	5/8/2018 14:07	Subtransmission	None	TIE 4105			TREE
2/14/2019 13:14	2/15/2019 14:59	Subtransmission	None	TIE4105			TREE
2/24/2019 21:42	2/25/2019 4:44	Subtransmission	Distribution	TIE4105	820	345745	TREE
2/24/2019 21:45	2/25/2019 20:00	Subtransmission	Distribution	TIE4105	85	107258	TREE
2/24/2019 17:44	2/25/2019 19:13	Subtransmission	Distribution	TIE4105	506	637615	TREE
5/3/2019 12:13	5/4/2019 15:02	Subtransmission	None	TRK 5411			TREE
7/20/2019 18:22	7/25/2019 18:00	Subtransmission	Distribution	TIE 4105	346	1135226	TREE
7/20/2019 18:45	7/21/2019 20:22	Subtransmission	None	TIE 4105			TREE
7/7/2021 15:08	7/7/2021 20:45	Subtransmission	Distribution	TRK 1225	1108	378873	TREE
7/7/2021 15:08	7/8/2021 7:33	Subtransmission	Distribution	TRK 1225	1055	366057	TREE
7/7/2021 15:09	7/9/2021 3:30	Subtransmission	Subtransmission	TRK 1225	71	130080	TREE
7/7/2021 15:13	7/9/2021 3:35	Subtransmission	Distribution	TRK 1225	528	1008331	TREE
7/7/2021 15:09	7/8/2021 13:18	Subtransmission	Distribution	TRK 1225	1454	962312	TREE
7/7/2021 15:15	7/9/2021 3:34	Subtransmission	Distribution	TRK 1225	220	405027	TREE
7/7/2021 15:08	7/9/2021 3:31	Subtransmission	Subtransmission	TRK 1225	488	980508	TREE
7/7/2021 15:09	7/8/2021 20:00	Subtransmission	Distribution	TRK 1225	613	1338801	TREE
7/7/2021 15:15	7/9/2021 3:34	Subtransmission	Distribution	TRK 1225	373	688048	TREE
7/7/2021 21:16	7/11/2021 14:12	Subtransmission	None	TRK 4045			TREE
7/8/2021 5:47	7/8/2021 19:51	Subtransmission	None	TRK 5923			TREE
7/20/2021 15:22	7/20/2021 17:30	Subtransmission	Distribution	TIE 3402	329	42187	TREE
7/20/2021 15:30	7/20/2021 23:42	Subtransmission	None	TIE 3402			TREE
8/29/2022 19:53	8/30/2022 14:51	Subtransmission	None	TIE 9303			TREE
8/29/2022 18:10	8/31/2022 19:50	Subtransmission	Distribution	TIE 9303	1612	4748921	TREE
8/29/2022 18:14	8/31/2022 13:15	Subtransmission	Distribution	TIE 9303	989	1363371	TREE
8/30/2022 10:42	8/30/2022 15:48	Subtransmission	None	TIE 9303			TREE

11/5/2022 12:23	11/5/2022 20:18	Subtransmission	None	TIE 4105			TREE
11/5/2022 12:11	11/5/2022 17:00	Subtransmission	Distribution	TIE 4105	107	29209	TREE
12/22/2022 14:11	12/24/2022 15:45	Subtransmission	Distribution	TIE 3241	381	93459	TREE
12/22/2022 11:39	12/23/2022 12:30	Subtransmission	Distribution	TIE 3241	2	428	TREE
12/23/2022 13:15	12/26/2022 21:03	Subtransmission	None	TIE 3241			TREE
12/23/2022 18:35	12/24/2022 12:33	Subtransmission	None	TIE 3241			TREE
12/23/2022 13:35	12/23/2022 18:47	Subtransmission	Distribution	TIE 3241			TREE
2/27/2023 18:02	2/28/2023 10:41	Subtransmission	Subtransmission	TIE 4605	1582	178676	TREE
2/28/2023 7:29	3/1/2023 19:31	Subtransmission	Circuit Level	TIE 4605	505	362915	TREE
2/28/2023 13:15	3/8/2023 10:35	Subtransmission		TIE 4605			TREE
2/28/2023 7:36	3/3/2023 6:18	Subtransmission		TIE 4605			TREE
7/5/2023 9:23	7/7/2023 13:04	Subtransmission		TRK 5239			TREE
7/13/2023 5:40	7/13/2023 20:10	Subtransmission		TIE 810			TREE
7/26/2023 16:15	7/29/2023 20:22	Subtransmission		TIE 1540			TREE
7/26/2023 16:05	7/28/2023 18:11	Subtransmission	Subtransmission	TIE 1540	5	5760	TREE
7/26/2023 17:00	7/28/2023 10:31	Subtransmission	Single Customer	TIE 1540			TREE
7/26/2023 17:05	7/27/2023 5:06	Subtransmission		TIE 1540			TREE
7/26/2023 15:50	7/30/2023 15:57	Subtransmission	Circuit Level	TIE 1540	92	518626	TREE
7/26/2023 17:15	7/28/2023 15:33	Subtransmission		TRK 4301			TREE
7/27/2023 19:30	7/29/2023 22:04	Subtransmission		TIE 1467			TREE
7/27/2023 17:07	7/29/2023 14:57	Subtransmission		TRK 4301			TREE
7/28/2023 17:12	7/30/2023 8:34	Subtransmission	Device (II)	TRK 4301	1057	4400060	TREE
7/29/2023 4:18	7/30/2023 18:33	Subtransmission		TRK 4301			TREE
7/29/2023 9:26	7/30/2023 19:52	Subtransmission		TRK 4301			TREE
7/30/2023 11:06	7/30/2023 17:33	Subtransmission		TIE 1540			TREE
8/24/2023 15:55	8/25/2023 1:14	Subtransmission	Single Customer	TIE 1318			TREE
8/24/2023 10:02	8/29/2023 13:51	Subtransmission	Subtransmission	TIE 1318	4049	13258755	TREE
8/24/2023 10:58	8/24/2023 15:26	Subtransmission		TIE 1423			TREE
8/24/2023 0:22	8/28/2023 10:03	Subtransmission	Device (II)	TIE 1423	1305	4235917	TREE
8/24/2023 8:46	8/26/2023 22:27	Subtransmission	Device (II)	TIE 1423	30	97534	TREE
8/26/2023 16:39	8/29/2023 16:21	Subtransmission		TIE 1423			TREE
8/27/2023 19:33	8/29/2023 15:57	Subtransmission		TIE 1423			TREE
9/6/2023 22:06	9/7/2023 7:48	Subtransmission	Device (II)	TIE 6138	269	33454	TREE
9/6/2023 22:56	9/7/2023 17:46	Subtransmission		TIE 6138			TREE
9/19/2023 9:07	9/19/2023 11:38	Subtransmission		TRK 3526			TREE
9/20/2023 18:38	10/2/2023 15:06	Subtransmission		TRK 3526			TREE
5/2/2023 8:10	5/2/2023 11:48	Subtransmission		TRK 4911			WIND
10/19/2018 13:08	10/19/2018 15:23	Subtransmission	None	TRK 7122			ANIMAL
10/19/2018 13:18	10/19/2018 16:14	Subtransmission	None	TRK 7122			ANIMAL
12/7/2018 7:54	12/7/2018 14:49	Subtransmission	None	TRK 7122			ANIMAL
12/7/2018 17:02	12/7/2018 22:08	Subtransmission	None	TRK 7122			ANIMAL
12/7/2018 17:48	12/7/2018 21:22	Subtransmission	None	TRK 7122			ANIMAL
8/8/2020 13:52	8/8/2020 15:30	Subtransmission	None	TIE 7702			ANIMAL
8/25/2020 18:51	8/26/2020 14:19	Subtransmission	None	TRK 2907			ANIMAL
5/14/2021 14:28	5/15/2021 12:52	Subtransmission	None	TIE 6931			ANIMAL
10/12/2021 7:55	10/12/2021 10:40	Subtransmission	None	TRK 3650			ANIMAL
11/24/2021 10:19	11/29/2021 6:55	Subtransmission	None	TRK 4338			ANIMAL
7/23/2022 7:06	7/24/2022 10:46	Subtransmission	None	TRK 7114			ANIMAL
7/24/2022 7:31	7/24/2022 10:41	Subtransmission	None	TRK 7114			ANIMAL
7/24/2022 11:39	7/24/2022 17:05	Subtransmission	None	TRK 7114			ANIMAL
1/20/2018 7:58	1/20/2018 10:29	Subtransmission	None	TRK 3650			EQUIPMENT FAILURE
3/8/2018 10:48	3/8/2018 14:32	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
3/27/2018 11:32	3/27/2018 14:30	Subtransmission	Distribution	TIE 4505	1949	321725	EQUIPMENT FAILURE
3/27/2018 16:03	3/27/2018 20:02	Subtransmission	None	TRK 2107			EQUIPMENT FAILURE
1/15/2019 15:09	1/15/2019 20:00	Subtransmission	None	TIE 810			EQUIPMENT FAILURE
3/4/2019 1:45	3/4/2019 4:35	Subtransmission	None	TIE 2819			EQUIPMENT FAILURE
7/19/2019 12:23	7/19/2019 15:11	Subtransmission	None	TRK 141			EQUIPMENT FAILURE
8/28/2019 4:19	8/28/2019 22:48	Subtransmission	None	TIE 7745			EQUIPMENT FAILURE
9/13/2019 17:31	9/13/2019 20:56	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
9/13/2019 17:19	9/13/2019 19:28	Subtransmission	Distribution	TIE 4105	703	76667	EQUIPMENT FAILURE
9/13/2019 17:31	9/13/2019 20:56	Subtransmission	Distribution	TIE 4105	1	109	EQUIPMENT FAILURE
9/13/2019 18:00	9/13/2019 19:28	Subtransmission	Distribution	TIE 4105	220	24072	EQUIPMENT FAILURE
9/13/2019 23:11	9/14/2019 19:58	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
9/13/2019 18:32	9/13/2019 20:19	Subtransmission	Distribution	TIE 4105	1	110	EQUIPMENT FAILURE
9/13/2019 17:37	9/13/2019 20:56	Subtransmission	None	TIE4105			EQUIPMENT FAILURE
9/13/2019 17:19	9/14/2019 17:06	Subtransmission	Distribution	TIE4105	108	169881	EQUIPMENT FAILURE
9/13/2019 18:39	9/13/2019 19:28	Subtransmission	Distribution	TIE4105			EQUIPMENT FAILURE
9/13/2019 17:31	9/13/2019 20:56	Subtransmission	None	TIE4105			EQUIPMENT FAILURE
9/14/2019 17:33	9/14/2019 19:53	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
9/14/2019 17:33	9/14/2019 19:53	Subtransmission	None	TIE4105			EQUIPMENT FAILURE
9/16/2019 14:25	9/16/2019 18:09	Subtransmission	None	TIE 5843			EQUIPMENT FAILURE
9/18/2019 17:09	9/24/2019 12:51	Subtransmission	None	TIE 5513			EQUIPMENT FAILURE
9/22/2019 13:25	9/22/2019 13:32	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
9/22/2019 13:26	9/22/2019 13:38	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
9/22/2019 13:25	9/22/2019 13:32	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
9/22/2019 13:25	9/22/2019 13:35	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
9/22/2019 13:28	9/22/2019 13:42	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
9/22/2019 13:24	9/22/2019 13:30	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
9/22/2019 13:24	9/22/2019 13:33	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
9/22/2019 13:16	9/22/2019 13:41	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
9/22/2019 13:38	9/23/2019 2:47	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
9/22/2019 15:04	9/23/2019 2:19	Subtransmission	None	TIE 6621			EQUIPMENT FAILURE
9/25/2019 16:29	9/25/2019 19:33	Subtransmission	None	TRK 1518			EQUIPMENT FAILURE
3/6/2020 7:24	3/6/2020 11:38	Subtransmission	None	TIE 1568			EQUIPMENT FAILURE
3/18/2020 20:33	3/18/2020 21:28	Subtransmission	None	TIE 4428			EQUIPMENT FAILURE
3/18/2020 18:46	3/18/2020 20:22	Subtransmission	Distribution	TIE 4428	872	84408	EQUIPMENT FAILURE
3/18/2020 18:46	3/18/2020 20:22	Subtransmission	Distribution	TIE 4428	660	63969	EQUIPMENT FAILURE
3/18/2020 18:56	3/19/2020 3:01	Subtransmission	None	TIE 4428			EQUIPMENT FAILURE
3/18/2020 18:52	3/18/2020 21:26	Subtransmission	None	TIE 4428			EQUIPMENT FAILURE
3/18/2020 18:46	3/18/2020 20:28	Subtransmission	Distribution	TIE 4428	888	85574	EQUIPMENT FAILURE
3/18/2020 20:56	3/18/2020 21:19	Subtransmission	None	TIE 4428			EQUIPMENT FAILURE
3/18/2020 18:46	3/18/2020 20:28	Subtransmission	Distribution	TIE 4428	1835	176596	EQUIPMENT FAILURE
3/18/2020 18:46	3/18/2020 20:27	Subtransmission	Distribution	TIE 4428	1753	222779	EQUIPMENT FAILURE
3/18/2020 20:58	3/18/2020 21:40	Subtransmission	Distribution	TIE 4428			EQUIPMENT FAILURE
3/18/2020 21:11	3/18/2020 21:20	Subtransmission	None	TIE 4428			EQUIPMENT FAILURE
3/18/2020 20:58	3/18/2020 22:16	Subtransmission	None	TIE 4428			EQUIPMENT FAILURE
3/18/2020 20:44	3/18/2020 21:18	Subtransmission	None	TIE 4428			EQUIPMENT FAILURE
3/18/2020 20:36	3/18/2020 21:17	Subtransmission	None	TIE 4428			EQUIPMENT FAILURE
6/10/2020 21:53	6/11/2020 9:01	Subtransmission	None	TIE 2812			EQUIPMENT FAILURE
6/10/2020 16:07	6/12/2020 14:15	Subtransmission	Distribution	TIE 2812	1108	222284	EQUIPMENT FAILURE
6/10/2020 16:23	6/11/2020 13:52	Subtransmission	None	TIE 2812			EQUIPMENT FAILURE
10/22/2020 8:05	10/22/2020 11:57	Subtransmission	None	TRK 6842			EQUIPMENT FAILURE
10/22/2020 8:02	10/22/2020 17:37	Subtransmission	None	TRK 6842			EQUIPMENT FAILURE
12/9/2020 11:34	12/9/2020 17:46	Subtransmission	None	TRK 2218			EQUIPMENT FAILURE
1/14/2021 7:55	1/14/2021 15:21	Subtransmission	None	TIE 7745			EQUIPMENT FAILURE

1/25/2021 9:17	1/25/2021 17:23	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
3/26/2021 17:07	3/26/2021 20:01	Subtransmission	None	TIE 226			EQUIPMENT FAILURE
8/11/2021 21:10	8/15/2021 19:30	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
8/11/2021 15:24	8/16/2021 18:15	Subtransmission	Distribution	TIE 1473	4	16918	EQUIPMENT FAILURE
8/11/2021 15:24	8/16/2021 18:15	Subtransmission	Distribution	TIE 1473	299	145308	EQUIPMENT FAILURE
8/16/2021 19:42	8/18/2021 13:06	Subtransmission	Distribution	TIE 1473	1	14	EQUIPMENT FAILURE
8/16/2021 5:00	8/16/2021 18:15	Subtransmission	Distribution	TIE 1473	7	16651	EQUIPMENT FAILURE
8/16/2021 14:09	8/16/2021 18:15	Subtransmission	Distribution	TIE 1473	11	16855	EQUIPMENT FAILURE
8/16/2021 19:29	8/18/2021 14:07	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
9/20/2021 8:36	9/20/2021 12:46	Subtransmission	None	TRK 2032			EQUIPMENT FAILURE
10/14/2021 9:39	10/14/2021 17:45	Subtransmission	None	TRK 2713			EQUIPMENT FAILURE
10/25/2021 11:59	10/25/2021 21:12	Subtransmission	None	TIE 1531			EQUIPMENT FAILURE
10/25/2021 2:19	10/25/2021 5:59	Subtransmission	None	TIE 1531			EQUIPMENT FAILURE
10/25/2021 2:33	10/25/2021 14:31	Subtransmission	None	TIE 1531			EQUIPMENT FAILURE
4/2/2022 6:59	4/3/2022 20:22	Subtransmission	None	TRK 3536			EQUIPMENT FAILURE
5/9/2022 9:05	5/9/2022 21:17	Subtransmission	None	TRK 2107			EQUIPMENT FAILURE
5/10/2022 16:15	5/16/2022 20:56	Subtransmission	None	TRK 2107			EQUIPMENT FAILURE
6/26/2022 21:34	6/28/2022 12:37	Subtransmission	None	TIE 4428			EQUIPMENT FAILURE
8/28/2022 17:36	9/2/2022 14:02	Subtransmission	Distribution	TRK 1303	51	141432	EQUIPMENT FAILURE
8/28/2022 14:39	8/28/2022 18:12	Subtransmission	Distribution	TRK 1303	1	5	EQUIPMENT FAILURE
8/28/2022 14:36	8/31/2022 17:08	Subtransmission	Distribution	TRK 1303	3332	17504	EQUIPMENT FAILURE
8/28/2022 14:47	8/28/2022 18:32	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
8/28/2022 14:55	8/28/2022 15:49	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
9/2/2022 9:10	9/3/2022 11:51	Subtransmission	None	TIE 4412			EQUIPMENT FAILURE
9/20/2022 21:46	9/21/2022 1:45	Subtransmission	Distribution	TIE 4523	555	128614	EQUIPMENT FAILURE
9/20/2022 21:58	9/21/2022 16:00	Subtransmission	None	TIE 4523			EQUIPMENT FAILURE
12/15/2022 7:23	12/15/2022 16:51	Subtransmission	Distribution	TIE 3241	278	158652	EQUIPMENT FAILURE
12/15/2022 7:23	12/15/2022 17:05	Subtransmission	Distribution	TIE 3241	2000	1151895	EQUIPMENT FAILURE
12/15/2022 7:23	12/15/2022 17:10	Subtransmission	Distribution	TIE 3241	331	201091	EQUIPMENT FAILURE
12/15/2022 7:23	12/15/2022 17:10	Subtransmission	Distribution	TIE 3241	426	253165	EQUIPMENT FAILURE
12/15/2022 7:23	12/15/2022 17:00	Subtransmission	Distribution	TIE 3241	543	330236	EQUIPMENT FAILURE
2/9/2023 15:40	2/9/2023 23:03	Subtransmission		TIE 2812			EQUIPMENT FAILURE
2/17/2023 2:46	2/17/2023 13:04	Subtransmission	Subtransmission	TRK 6508	1426	201241	EQUIPMENT FAILURE
3/15/2023 10:55	3/15/2023 15:51	Subtransmission		TIE 6931	1	98	EQUIPMENT FAILURE
3/15/2023 11:01	3/15/2023 18:22	Subtransmission		TIE 6931			EQUIPMENT FAILURE
3/15/2023 11:05	3/15/2023 18:22	Subtransmission		TIE 6931	1	195	EQUIPMENT FAILURE
3/15/2023 11:25	3/17/2023 16:59	Subtransmission		TIE 6931	1	195	EQUIPMENT FAILURE
3/15/2023 9:34	3/15/2023 15:53	Subtransmission	Device (I)	TIE 6931	19	4398	EQUIPMENT FAILURE
6/5/2023 20:44	6/6/2023 5:34	Subtransmission	Circuit Level	TRK 2218	973	275976	EQUIPMENT FAILURE
6/5/2023 20:46	6/6/2023 4:56	Subtransmission	Circuit Level	TRK 2218	35	14910	EQUIPMENT FAILURE
6/5/2023 20:44	6/6/2023 4:32	Subtransmission	Circuit Level	TRK 2218	1031	376156	EQUIPMENT FAILURE
6/17/2023 10:04	6/17/2023 17:24	Subtransmission		TIE 1268			EQUIPMENT FAILURE
8/10/2023 11:16	8/10/2023 13:49	Subtransmission		TRK 1340			EQUIPMENT FAILURE
8/24/2023 7:06	8/25/2023 20:30	Subtransmission	Circuit Level	TIE 7702	334	156487	EQUIPMENT FAILURE
8/24/2023 4:39	8/25/2023 17:50	Subtransmission	Circuit Level	TIE 7702	206	103429	EQUIPMENT FAILURE
8/24/2023 2:40	8/30/2023 21:30	Subtransmission		TIE 7702			EQUIPMENT FAILURE
8/28/2023 7:55	8/30/2023 17:16	Subtransmission		TIE 2025			EQUIPMENT FAILURE
8/28/2023 23:46	8/29/2023 10:28	Subtransmission		TIE 7702			EQUIPMENT FAILURE
8/29/2023 10:41	8/30/2023 7:41	Subtransmission		TIE 1312			EQUIPMENT FAILURE
9/4/2023 10:52	9/4/2023 18:01	Subtransmission		TIE 1540			EQUIPMENT FAILURE
9/4/2023 18:07	9/5/2023 15:02	Subtransmission		TIE 1540			EQUIPMENT FAILURE
11/17/2023 10:57	11/17/2023 14:17	Subtransmission		TRK 2250			EQUIPMENT FAILURE
11/30/2023 12:08	12/1/2023 5:03	Subtransmission		TRK 3508			EQUIPMENT FAILURE
12/19/2023 13:15	12/20/2023 5:04	Subtransmission		TRK 5145			EQUIPMENT FAILURE
12/21/2023 13:22	12/22/2023 6:26	Subtransmission		TIE 2648			EQUIPMENT FAILURE
12/28/2023 18:27	12/28/2023 23:10	Subtransmission		TIE 1423			EQUIPMENT FAILURE
11/21/2023 22:00	11/22/2023 1:16	Subtransmission	Subtransmission	TIE 3800	1150	202164	INTENTIONAL
11/21/2023 22:00	11/22/2023 2:54	Subtransmission	Subtransmission	TIE 3800	866	152287	INTENTIONAL
6/10/2020 14:12	6/11/2020 19:30	Subtransmission	Distribution	TIE 7520	418	729321	LIGHTNING
6/4/2020 19:56	6/5/2020 7:11	Subtransmission	None	TIE 2819			PUBLIC INTERFERENCE
6/4/2020 19:58	6/5/2020 0:58	Subtransmission	None	TIE 2819			PUBLIC INTERFERENCE
6/4/2020 19:54	6/4/2020 23:32	Subtransmission	Distribution	TIE 2819	3155	467010	PUBLIC INTERFERENCE
6/4/2020 20:26	6/5/2020 0:58	Subtransmission	None	TIE 2819			PUBLIC INTERFERENCE
6/4/2020 21:05	6/5/2020 0:58	Subtransmission	None	TIE 2819			PUBLIC INTERFERENCE
6/4/2020 20:05	6/4/2020 23:45	Subtransmission	Distribution	TIE 2819	1	220	PUBLIC INTERFERENCE
6/4/2020 20:29	6/4/2020 23:50	Subtransmission	Distribution	TIE 2819	1	219	PUBLIC INTERFERENCE
6/4/2020 20:07	6/4/2020 22:05	Subtransmission	None	TIE 2819			PUBLIC INTERFERENCE
6/4/2020 20:06	6/4/2020 23:36	Subtransmission	Distribution	TIE 2819	1	220	PUBLIC INTERFERENCE
6/4/2020 20:09	6/5/2020 2:09	Subtransmission	None	TIE 2819			PUBLIC INTERFERENCE
6/5/2020 6:08	6/5/2020 8:00	Subtransmission	Distribution	TIE 2819	1	697	PUBLIC INTERFERENCE
6/5/2020 6:15	6/5/2020 9:08	Subtransmission	None	TIE 2819			PUBLIC INTERFERENCE
6/5/2020 10:07	6/5/2020 13:22	Subtransmission	None	TIE 2819			PUBLIC INTERFERENCE
5/24/2022 17:33	5/25/2022 12:14	Subtransmission	None	TIE 3323			PUBLIC INTERFERENCE
3/5/2018 15:00	3/5/2018 20:59	Subtransmission	None	TIE 9205			TREE
3/6/2018 7:08	3/6/2018 20:21	Subtransmission	None	TIE 9205			TREE
11/1/2020 16:48	11/2/2020 16:46	Subtransmission	None	TIE 4104			TREE
12/16/2021 7:19	12/16/2021 10:29	Subtransmission	None	TIE 4412			TREE
12/16/2021 7:28	12/16/2021 10:29	Subtransmission	None	TIE 4412			TREE
12/16/2021 7:32	12/16/2021 17:17	Subtransmission	None	TIE 4412			TREE
11/7/2022 9:07	11/7/2022 12:02	Subtransmission	None	TIE 2901			TREE
8/16/2021 17:55	8/16/2021 19:36	Subtransmission	None	TIE 1473			WIND
1/22/2018 15:42	1/23/2018 13:41	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
1/22/2018 15:45	1/22/2018 19:39	Subtransmission	None	TIE 3220			EQUIPMENT FAILURE
1/28/2018 14:12	1/28/2018 20:12	Subtransmission	None	TIE 3320			EQUIPMENT FAILURE
3/28/2018 15:00	3/28/2018 17:21	Subtransmission	None	TRK 2411			EQUIPMENT FAILURE
5/1/2018 12:14	5/1/2018 14:31	Subtransmission	None	TIE 4605			EQUIPMENT FAILURE
6/22/2018 19:46	6/22/2018 20:19	Subtransmission	None	TIE 3410			EQUIPMENT FAILURE
8/19/2018 22:48	8/20/2018 16:37	Subtransmission	None	TRK 5411			EQUIPMENT FAILURE
11/17/2018 15:10	11/17/2018 15:56	Subtransmission	None	TRK 1525			EQUIPMENT FAILURE
11/17/2018 15:07	11/17/2018 18:47	Subtransmission	None	TRK 1525			EQUIPMENT FAILURE
4/7/2019 12:05	4/7/2019 17:54	Subtransmission	None	TRK 4316			EQUIPMENT FAILURE
7/19/2019 19:57	7/23/2019 14:00	Subtransmission	Distribution	TIE 4501	272	374517	EQUIPMENT FAILURE
12/30/2019 20:30	12/30/2019 20:41	Subtransmission	Distribution	TIE 810			EQUIPMENT FAILURE
12/30/2019 17:17	12/31/2019 5:22	Subtransmission	None	TIE 810			EQUIPMENT FAILURE
3/31/2020 22:24	4/1/2020 4:00	Subtransmission	Distribution	TRK 2659	839	205976	EQUIPMENT FAILURE
2/17/2021 15:24	2/17/2021 21:17	Subtransmission	None	TRK 6172			EQUIPMENT FAILURE
8/26/2021 12:53	8/29/2021 18:42	Subtransmission	None	TIE 9111			EQUIPMENT FAILURE
7/11/2022 19:06	7/12/2022 12:46	Subtransmission	None	TRK 1121			EQUIPMENT FAILURE
11/30/2022 19:04	12/2/2022 8:37	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
11/30/2022 12:29	11/30/2022 13:50	Subtransmission	None	TRK 7062			EQUIPMENT FAILURE
1/30/2023 23:49	1/31/2023 14:56	Subtransmission	None	TRK 3727			EQUIPMENT FAILURE
2/22/2023 14:46	2/25/2023 11:54	Subtransmission	Device (II)	TIE 1467	594	1797030	EQUIPMENT FAILURE
3/25/2023 14:24	3/25/2023 17:10	Subtransmission	Subtransmission	TIE 1467	1799	77157	EQUIPMENT FAILURE
3/25/2023 14:43	3/27/2023 7:41	Subtransmission		TIE 1467			EQUIPMENT FAILURE
7/17/2023 17:08	7/18/2023 8:34	Subtransmission	Subtransmission	TRK 8215			EQUIPMENT FAILURE

9/13/2019 7:05	9/13/2019 20:46	Subtransmission	None	TRK 2437			PUBLIC INTERFERENCE
9/10/2020 0:50	9/10/2020 6:21	Subtransmission	None	TRK 1303			PUBLIC INTERFERENCE
9/10/2020 0:35	9/10/2020 13:37	Subtransmission	Distribution	TRK 1303	72	52405	PUBLIC INTERFERENCE
1/30/2021 10:49	1/30/2021 13:51	Subtransmission	None	TIE 2648			PUBLIC INTERFERENCE
6/2/2021 14:10	6/2/2021 16:08	Subtransmission	Subtransmission	TIE 9111	598	70998	PUBLIC INTERFERENCE
6/2/2021 14:10	6/2/2021 16:08	Subtransmission	Subtransmission	TIE 9111	230	27311	PUBLIC INTERFERENCE
6/2/2021 14:10	6/2/2021 16:08	Subtransmission	Subtransmission	TIE 9111	397	47151	PUBLIC INTERFERENCE
6/2/2021 14:18	6/3/2021 1:13	Subtransmission	None	TIE 9111			PUBLIC INTERFERENCE
10/1/2018 8:45	10/3/2018 6:49	Subtransmission	None	TRK 5585			EQUIPMENT FAILURE
8/15/2019 17:04	8/20/2019 18:30	Subtransmission	None	TIE 2901			EQUIPMENT FAILURE
4/22/2020 18:53	4/23/2020 3:06	Subtransmission	None	TRK 6508			EQUIPMENT FAILURE
4/22/2020 19:36	4/23/2020 3:12	Subtransmission	Distribution	TRK 6508	1	423	EQUIPMENT FAILURE
8/27/2022 8:51	8/27/2022 12:30	Subtransmission	Distribution	TRK 1276			EQUIPMENT FAILURE
8/27/2022 8:48	8/27/2022 21:51	Subtransmission	None	TRK 1276			EQUIPMENT FAILURE
8/30/2022 9:03	8/30/2022 21:38	Subtransmission	None	TRK 5838			TREE
1/4/2019 13:46	1/4/2019 16:46	Subtransmission	None	TRK 5923			ANIMAL
5/7/2019 13:58	5/7/2019 17:11	Subtransmission	None	TRK 5917			ANIMAL
2/16/2020 11:57	2/16/2020 20:50	Subtransmission	None	TRK 2301			ANIMAL
3/26/2020 0:17	3/26/2020 1:45	Subtransmission	None	TRK 1251			ANIMAL
7/29/2021 19:44	7/29/2021 22:19	Subtransmission	None	TRK 7122			ANIMAL
9/19/2021 18:25	9/19/2021 18:41	Subtransmission	Distribution	TRK 2032			ANIMAL
9/19/2021 18:47	9/20/2021 15:06	Subtransmission	None	TRK 2032			ANIMAL
12/30/2020 5:04	12/30/2020 17:43	Subtransmission	None	TRK 7729			CUSTOMER EQUIPMENT
4/5/2018 14:25	4/5/2018 17:25	Subtransmission	Distribution	TRK 7122	71	13136	EQUIPMENT FAILURE
4/5/2018 14:32	4/5/2018 21:34	Subtransmission	None	TRK 7122			EQUIPMENT FAILURE
4/16/2018 17:17	4/17/2018 20:21	Subtransmission	None	TRK 3534			EQUIPMENT FAILURE
5/3/2018 0:27	5/3/2018 3:10	Subtransmission	Distribution	TIE 1473	197	32079	EQUIPMENT FAILURE
5/3/2018 0:27	5/3/2018 3:10	Subtransmission	Distribution	TIE 1473	871	140783	EQUIPMENT FAILURE
5/3/2018 0:27	5/3/2018 3:10	Subtransmission	Distribution	TIE 1473	454	73952	EQUIPMENT FAILURE
5/12/2018 7:07	5/12/2018 10:45	Subtransmission	None	TRK 7386			EQUIPMENT FAILURE
5/12/2018 6:47	5/12/2018 7:37	Subtransmission	Distribution	TRK 7386	2015	101610	EQUIPMENT FAILURE
5/12/2018 6:47	5/12/2018 7:20	Subtransmission	None	TRK 7386			EQUIPMENT FAILURE
5/12/2018 6:44	5/12/2018 7:37	Subtransmission	Distribution	TRK 7386	1934	97467	EQUIPMENT FAILURE
6/7/2018 19:48	6/7/2018 22:44	Subtransmission	Distribution	TIE 9123	364	64166	EQUIPMENT FAILURE
6/9/2018 19:57	6/10/2018 5:20	Subtransmission	None	TRK 2016			EQUIPMENT FAILURE
6/9/2018 20:20	6/10/2018 5:14	Subtransmission	None	TRK 2016			EQUIPMENT FAILURE
6/16/2018 6:48	6/16/2018 8:33	Subtransmission	Distribution	TRK 7150			EQUIPMENT FAILURE
6/16/2018 6:56	6/16/2018 8:33	Subtransmission	Distribution	TRK 7150	259	27118	EQUIPMENT FAILURE
6/16/2018 6:56	6/16/2018 14:29	Subtransmission	None	TRK 7150			EQUIPMENT FAILURE
6/16/2018 7:00	6/16/2018 10:45	Subtransmission	Distribution	TRK 7150	103	24176	EQUIPMENT FAILURE
7/21/2018 12:51	7/23/2018 14:25	Subtransmission	None	TRK 1862			EQUIPMENT FAILURE
8/7/2018 21:42	8/8/2018 17:22	Subtransmission	None	TRK 630			EQUIPMENT FAILURE
8/22/2018 17:40	8/22/2018 18:28	Subtransmission	Distribution	TIE 7702	182	8960	EQUIPMENT FAILURE
9/20/2018 12:15	9/20/2018 12:45	Subtransmission	Distribution	TRK 3534	180	4849	EQUIPMENT FAILURE
10/1/2018 13:44	10/1/2018 16:23	Subtransmission	None	TIE 3534			EQUIPMENT FAILURE
10/11/2018 17:29	10/12/2018 3:24	Subtransmission	None	TRK 1544			EQUIPMENT FAILURE
11/21/2018 15:00	11/21/2018 16:55	Subtransmission	Distribution	TRK 2418	1022	117791	EQUIPMENT FAILURE
11/21/2018 15:00	11/21/2018 16:55	Subtransmission	Distribution	TRK 2418	929	120677	EQUIPMENT FAILURE
11/21/2018 15:00	11/21/2018 16:55	Subtransmission	Distribution	TRK 2418	608	71003	EQUIPMENT FAILURE
11/21/2018 15:07	11/23/2018 18:26	Subtransmission	None	TRK 2418			EQUIPMENT FAILURE
11/21/2018 15:09	11/21/2018 20:00	Subtransmission	None	TRK 2418			EQUIPMENT FAILURE
11/21/2018 15:00	11/21/2018 16:55	Subtransmission	Distribution	TRK 2418	1043	115670	EQUIPMENT FAILURE
11/30/2018 13:46	3/29/2019 6:13	Subtransmission	None	TRK 2418			EQUIPMENT FAILURE
12/28/2018 9:44	12/28/2018 12:05	Subtransmission	None	TIE 4104			EQUIPMENT FAILURE
12/28/2018 16:54	12/28/2018 18:28	Subtransmission	Distribution	TIE 4104	927	79546	EQUIPMENT FAILURE
12/28/2018 16:54	12/28/2018 18:28	Subtransmission	Distribution	TIE 4104	1096	94878	EQUIPMENT FAILURE
2/23/2019 16:16	2/23/2019 22:21	Subtransmission	None	TIE 1544			EQUIPMENT FAILURE
4/18/2019 10:36	4/18/2019 16:31	Subtransmission	None	TIE 807			EQUIPMENT FAILURE
5/9/2019 1:02	5/9/2019 6:42	Subtransmission	None	TIE 6310			EQUIPMENT FAILURE
5/9/2019 4:59	5/9/2019 12:53	Subtransmission	Distribution	TIE 6310	2	360	EQUIPMENT FAILURE
5/9/2019 17:06	5/9/2019 22:09	Subtransmission	None	TIE 6310			EQUIPMENT FAILURE
7/2/2019 19:48	7/2/2019 20:51	Subtransmission	Distribution	TRK 5838	725	45536	EQUIPMENT FAILURE
7/2/2019 19:48	7/2/2019 20:51	Subtransmission	Distribution	TRK 5838	241	64563	EQUIPMENT FAILURE
7/2/2019 19:48	7/2/2019 20:51	Subtransmission	Distribution	TRK 5838	535	38989	EQUIPMENT FAILURE
7/5/2019 15:38	7/5/2019 22:32	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
7/5/2019 15:20	7/5/2019 22:31	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
7/5/2019 15:20	7/5/2019 22:30	Subtransmission	None	TRK 2519			EQUIPMENT FAILURE
8/27/2019 17:00	8/27/2019 19:22	Subtransmission	None	TRK 3661			EQUIPMENT FAILURE
8/27/2019 22:21	9/5/2019 21:36	Subtransmission	None	TRK 3661			EQUIPMENT FAILURE
9/13/2019 17:31	9/13/2019 20:56	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
9/13/2019 18:01	9/13/2019 20:56	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
9/13/2019 17:19	9/13/2019 19:28	Subtransmission	Distribution	TIE 4105	703	76667	EQUIPMENT FAILURE
9/13/2019 17:31	9/13/2019 20:56	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
9/13/2019 17:31	9/13/2019 20:56	Subtransmission	Distribution	TIE 4105	1	109	EQUIPMENT FAILURE
9/13/2019 18:00	9/13/2019 19:28	Subtransmission	Distribution	TIE 4105	220	24072	EQUIPMENT FAILURE
9/13/2019 17:19	9/14/2019 17:06	Subtransmission	Distribution	TIE 4105	108	169881	EQUIPMENT FAILURE
9/13/2019 18:39	9/13/2019 19:28	Subtransmission	Distribution	TIE 4105			EQUIPMENT FAILURE
9/13/2019 23:11	9/14/2019 19:58	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
9/13/2019 17:37	9/13/2019 20:56	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
9/13/2019 18:32	9/13/2019 20:19	Subtransmission	Distribution	TIE 4105	1	110	EQUIPMENT FAILURE
10/14/2019 23:25	10/15/2019 0:20	Subtransmission	Distribution	TIE 1467	164	6429	EQUIPMENT FAILURE
10/14/2019 23:25	10/15/2019 0:20	Subtransmission	Distribution	TIE 1467	749	33809	EQUIPMENT FAILURE
10/21/2019 23:52	10/22/2019 2:01	Subtransmission	Distribution	TIE 3241	510	5760	EQUIPMENT FAILURE
10/21/2019 23:52	10/22/2019 2:01	Subtransmission	Distribution	TIE 3241	419	5073	EQUIPMENT FAILURE
10/21/2019 23:54	10/22/2019 2:01	Subtransmission	Distribution	TIE 3241	1953	252625	EQUIPMENT FAILURE
10/21/2019 23:56	10/22/2019 2:00	Subtransmission	Distribution	TIE 3241	495	64881	EQUIPMENT FAILURE
10/21/2019 23:52	10/22/2019 2:01	Subtransmission	Distribution	TIE 3241	437	5334	EQUIPMENT FAILURE
10/21/2019 23:52	10/22/2019 2:01	Subtransmission	Distribution	TIE 3241	320	40908	EQUIPMENT FAILURE
10/21/2019 23:55	10/22/2019 2:01	Subtransmission	Distribution	TIE 3241	257	32835	EQUIPMENT FAILURE
11/25/2019 19:54	11/25/2019 21:45	Subtransmission	Substation	TRK 648	1250	89858	EQUIPMENT FAILURE
11/25/2019 19:54	11/25/2019 21:00	Subtransmission	Distribution	TRK 648	575	41259	EQUIPMENT FAILURE
11/25/2019 19:54	11/25/2019 21:30	Subtransmission	Substation	TRK 648	547	39268	EQUIPMENT FAILURE
12/1/2019 8:53	12/1/2019 10:23	Subtransmission	Distribution	TIE 4109	496	41636	EQUIPMENT FAILURE
12/1/2019 8:53	12/1/2019 10:23	Subtransmission	Distribution	TIE 4109	690	58209	EQUIPMENT FAILURE
12/1/2019 9:12	12/1/2019 11:19	Subtransmission	None	TIE 4109			EQUIPMENT FAILURE
12/1/2019 8:53	12/1/2019 10:23	Subtransmission	Distribution	TIE 4109	124	10393	EQUIPMENT FAILURE
12/1/2019 8:53	12/1/2019 11:00	Subtransmission	Substation	TIE 4109	870	101201	EQUIPMENT FAILURE
12/24/2019 8:31	12/24/2019 15:31	Subtransmission	None	TRK 2301			EQUIPMENT FAILURE
12/24/2019 8:40	12/24/2019 17:14	Subtransmission	Distribution	TRK 2301	1	25	EQUIPMENT FAILURE
2/20/2020 2:20	2/20/2020 15:54	Subtransmission	None	TIE 7702			EQUIPMENT FAILURE
3/6/2020 10:19	3/6/2020 11:56	Subtransmission	Distribution	TRK 5906	1014	99096	EQUIPMENT FAILURE
3/6/2020 10:19	3/6/2020 11:56	Subtransmission	Distribution	TRK 5906	873	85535	EQUIPMENT FAILURE
3/6/2020 10:18	3/6/2020 11:56	Subtransmission	Distribution	TRK 5906	1767	171731	EQUIPMENT FAILURE
3/6/2020 10:19	3/6/2020 11:56	Subtransmission	Distribution	TRK 5906	917	89486	EQUIPMENT FAILURE
3/6/2020 10:30	3/6/2020 20:53	Subtransmission	None	TRK 5906			EQUIPMENT FAILURE

4/26/2020 12:43	4/26/2020 16:36	Subtransmission	None	TRK 2824			EQUIPMENT FAILURE
5/7/2020 15:20	5/7/2020 21:22	Subtransmission	None	TIE 4105			EQUIPMENT FAILURE
5/25/2020 17:51	5/25/2020 20:50	Subtransmission	Distribution	TRK 3508	2004	313975	EQUIPMENT FAILURE
5/25/2020 18:29	5/25/2020 20:50	Subtransmission	Distribution	TRK 3508	1962	277735	EQUIPMENT FAILURE
5/26/2020 0:29	5/26/2020 9:47	Subtransmission	None	TRK 3509			EQUIPMENT FAILURE
5/30/2020 9:01	5/31/2020 16:51	Subtransmission	None	TIE 7408			EQUIPMENT FAILURE
6/10/2020 18:00	6/13/2020 17:01	Subtransmission	None	TRK 1563			EQUIPMENT FAILURE
6/27/2020 1:54	6/28/2020 21:44	Subtransmission	None	TRK 1563			EQUIPMENT FAILURE
6/30/2020 16:56	6/30/2020 17:05	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
6/30/2020 16:59	6/30/2020 17:19	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
6/30/2020 16:49	6/30/2020 17:19	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
6/30/2020 16:39	6/30/2020 17:17	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
6/30/2020 16:46	6/30/2020 17:18	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
6/30/2020 16:40	6/30/2020 17:17	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
6/30/2020 16:46	6/30/2020 17:18	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
6/30/2020 17:03	6/30/2020 17:17	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
6/30/2020 16:47	6/30/2020 17:18	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
6/30/2020 16:51	6/30/2020 17:05	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
6/30/2020 16:49	6/30/2020 17:18	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
6/30/2020 16:17	6/30/2020 16:58	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
6/30/2020 20:34	6/30/2020 20:43	Subtransmission	None	TIE 8014			EQUIPMENT FAILURE
7/10/2020 13:10	7/10/2020 22:28	Subtransmission	Subtransmission	TRK 7389	437	242745	EQUIPMENT FAILURE
7/15/2020 23:21	7/16/2020 1:00	Subtransmission	Distribution	TRK 7106	873	88208	EQUIPMENT FAILURE
7/15/2020 23:21	7/16/2020 1:00	Subtransmission	Distribution	TRK 7106	595	9777	EQUIPMENT FAILURE
7/15/2020 23:21	7/16/2020 1:00	Subtransmission	Distribution	TRK 7106	899	90623	EQUIPMENT FAILURE
7/15/2020 23:21	7/16/2020 1:00	Subtransmission	Distribution	TRK 7106	326	30969	EQUIPMENT FAILURE
7/15/2020 23:29	7/16/2020 4:53	Subtransmission	None	TRK 7106			EQUIPMENT FAILURE
7/16/2020 0:46	7/16/2020 1:00	Subtransmission	Distribution	TRK 7106	1464	23486	EQUIPMENT FAILURE
7/16/2020 0:46	7/16/2020 1:00	Subtransmission	Distribution	TRK 7106	128	2165	EQUIPMENT FAILURE
7/16/2020 0:46	7/16/2020 1:00	Subtransmission	Distribution	TRK 7106	921	14758	EQUIPMENT FAILURE
7/16/2020 1:25	7/16/2020 13:50	Subtransmission	Distribution	TRK 7106	1	896	EQUIPMENT FAILURE
7/17/2020 19:32	7/20/2020 15:22	Subtransmission	None	TRK 7106			EQUIPMENT FAILURE
7/24/2020 20:05	7/24/2020 20:58	Subtransmission	Subtransmission	TRK 620	1481	73672	EQUIPMENT FAILURE
7/24/2020 20:05	7/24/2020 20:58	Subtransmission	Subtransmission	TRK 620	692	34407	EQUIPMENT FAILURE
7/24/2020 20:05	7/24/2020 20:58	Subtransmission	Subtransmission	TRK 620	1233	61312	EQUIPMENT FAILURE
7/28/2020 16:16	7/28/2020 18:11	Subtransmission	Distribution	TRK 6722	1188	127538	EQUIPMENT FAILURE
7/28/2020 16:16	7/28/2020 20:32	Subtransmission	Distribution	TRK 6722	1123	279405	EQUIPMENT FAILURE
7/28/2020 23:43	7/29/2020 8:25	Subtransmission	None	TRK 6722			EQUIPMENT FAILURE
7/28/2020 16:16	7/28/2020 18:33	Subtransmission	Distribution	TRK 6722	1622	209870	EQUIPMENT FAILURE
7/28/2020 16:16	7/28/2020 18:11	Subtransmission	Distribution	TRK 6722	435	46769	EQUIPMENT FAILURE
7/28/2020 16:30	7/28/2020 20:43	Subtransmission	None	TRK 6722			EQUIPMENT FAILURE
7/28/2020 15:29	7/28/2020 19:15	Subtransmission	None	TRK 6722			EQUIPMENT FAILURE
7/28/2020 16:28	7/28/2020 22:06	Subtransmission	None	TRK 6722			EQUIPMENT FAILURE
8/9/2020 7:35	8/9/2020 10:31	Subtransmission	None	TRK 620			EQUIPMENT FAILURE
8/21/2020 16:24	8/22/2020 14:21	Subtransmission	None	TIE 1473			EQUIPMENT FAILURE
9/11/2020 17:31	9/11/2020 19:01	Subtransmission	None	TIE 6147			EQUIPMENT FAILURE
9/11/2020 16:02	9/11/2020 17:58	Subtransmission	Distribution	TIE 6147	1862	218124	EQUIPMENT FAILURE
9/11/2020 17:34	9/11/2020 19:01	Subtransmission	None	TIE 6147			EQUIPMENT FAILURE
9/11/2020 17:36	9/11/2020 19:01	Subtransmission	None	TIE 6147			EQUIPMENT FAILURE
9/11/2020 16:02	9/11/2020 17:58	Subtransmission	Distribution	TIE 6147	2116	199166	EQUIPMENT FAILURE
10/10/2020 21:58	10/10/2020 22:50	Subtransmission	Distribution	TIE 3208	532	32752	EQUIPMENT FAILURE
10/25/2020 12:04	10/25/2020 12:25	Subtransmission	None	TRK 5510			EQUIPMENT FAILURE
11/26/2020 8:46	11/26/2020 19:48	Subtransmission	None	TIE 3140			EQUIPMENT FAILURE
12/3/2020 4:33	12/3/2020 6:00	Subtransmission	Subtransmission	TRK 2470	751	65135	EQUIPMENT FAILURE
12/3/2020 4:33	12/3/2020 6:00	Subtransmission	Subtransmission	TRK 2470	379	32930	EQUIPMENT FAILURE
12/3/2020 4:33	12/3/2020 6:00	Subtransmission	Subtransmission	TRK 2470	56	4855	EQUIPMENT FAILURE
2/27/2021 1:52	2/27/2021 13:10	Subtransmission	None	TRK 2087			EQUIPMENT FAILURE
2/27/2021 1:47	2/28/2021 0:36	Subtransmission	None	TRK 2087			EQUIPMENT FAILURE
3/26/2021 3:33	3/27/2021 11:21	Subtransmission	None	TIE 2025			EQUIPMENT FAILURE
6/10/2021 19:07	6/10/2021 20:39	Subtransmission	None	TRK 787			EQUIPMENT FAILURE
6/20/2021 11:15	6/20/2021 14:26	Subtransmission	Distribution	TRK 3646	1	26	EQUIPMENT FAILURE
6/20/2021 11:06	6/20/2021 12:10	Subtransmission	Distribution	TRK 3646			EQUIPMENT FAILURE
6/20/2021 3:30	6/20/2021 5:56	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
6/20/2021 11:15	6/20/2021 16:13	Subtransmission	None	TRK 3646			EQUIPMENT FAILURE
6/27/2021 7:54	6/28/2021 12:38	Subtransmission	None	TIE 3205			EQUIPMENT FAILURE
7/10/2021 7:03	7/11/2021 2:50	Subtransmission	None	TRK 2233			EQUIPMENT FAILURE
7/11/2021 15:54	7/12/2021 15:02	Subtransmission	None	TIE 1467			EQUIPMENT FAILURE
7/27/2021 11:29	7/27/2021 15:00	Subtransmission	None	TIE 6147			EQUIPMENT FAILURE
7/27/2021 11:13	7/27/2021 13:48	Subtransmission	Distribution	TIE 6147			EQUIPMENT FAILURE
7/27/2021 11:13	7/27/2021 18:00	Subtransmission	Subtransmission	TIE 6147	2156	504553	EQUIPMENT FAILURE
8/11/2021 21:13	8/12/2021 3:42	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
8/11/2021 15:50	8/16/2021 16:00	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
8/14/2021 8:39	8/14/2021 13:20	Subtransmission	None	TRK 2002			EQUIPMENT FAILURE
9/12/2021 20:56	9/15/2021 20:25	Subtransmission	None	TIE 4605			EQUIPMENT FAILURE
10/30/2021 9:23	11/4/2021 13:35	Subtransmission	None	TIE 1467			EQUIPMENT FAILURE
11/2/2021 10:36	11/2/2021 11:04	Subtransmission	Distribution	TRK 2528	610	17247	EQUIPMENT FAILURE
11/2/2021 10:36	11/2/2021 11:04	Subtransmission	Distribution	TRK 2528	404	11380	EQUIPMENT FAILURE
11/2/2021 10:36	11/2/2021 11:04	Subtransmission	Distribution	TRK 2528	1271	35858	EQUIPMENT FAILURE
12/11/2021 21:33	12/13/2021 20:29	Subtransmission	None	TIE 2824			EQUIPMENT FAILURE
12/11/2021 11:34	12/12/2021 12:25	Subtransmission	None	TIE 4605			EQUIPMENT FAILURE
12/29/2021 0:59	12/31/2021 11:47	Subtransmission	None	TRK 2535			EQUIPMENT FAILURE
1/14/2022 10:14	1/14/2022 20:01	Subtransmission	None	TRK 1251			EQUIPMENT FAILURE
1/21/2022 23:24	1/23/2022 11:44	Subtransmission	None	TRK 4405			EQUIPMENT FAILURE
1/22/2022 18:32	1/23/2022 10:56	Subtransmission	None	TRK 448			EQUIPMENT FAILURE
1/22/2022 17:58	1/22/2022 20:30	Subtransmission	None	TRK 448			EQUIPMENT FAILURE
1/22/2022 18:27	1/23/2022 17:54	Subtransmission	None	TRK 448			EQUIPMENT FAILURE
1/22/2022 18:03	1/23/2022 13:55	Subtransmission	None	TRK 448			EQUIPMENT FAILURE
1/29/2022 18:29	1/30/2022 5:53	Subtransmission	None	TRK 1403			EQUIPMENT FAILURE
1/29/2022 18:12	1/30/2022 8:33	Subtransmission	None	TRK 1470			EQUIPMENT FAILURE
1/31/2022 8:37	2/5/2022 0:39	Subtransmission	None	TRK 2305			EQUIPMENT FAILURE
2/9/2022 3:23	2/11/2022 7:47	Subtransmission	None	TIE 5823			EQUIPMENT FAILURE
2/11/2022 20:13	2/13/2022 13:23	Subtransmission	None	TRK 3511			EQUIPMENT FAILURE
2/11/2022 20:26	2/12/2022 4:19	Subtransmission	None	TRK 3511			EQUIPMENT FAILURE
2/22/2022 10:28	2/22/2022 15:14	Subtransmission	None	TIE 6147			EQUIPMENT FAILURE
2/22/2022 21:26	2/23/2022 8:37	Subtransmission	None	TRK 2418			EQUIPMENT FAILURE
2/28/2022 10:12	2/28/2022 12:51	Subtransmission	None	TRK 1251			EQUIPMENT FAILURE
3/23/2022 17:08	3/24/2022 17:53	Subtransmission	None	TRK 7114			EQUIPMENT FAILURE
4/3/2022 0:54	4/3/2022 2:17	Subtransmission	Distribution	TIE 1467	717	60636	EQUIPMENT FAILURE
4/9/2022 3:36	4/9/2022 16:13	Subtransmission	None	TRK 1527			EQUIPMENT FAILURE
4/21/2022 5:10	4/22/2022 20:48	Subtransmission	None	TRK 440			EQUIPMENT FAILURE
5/4/2022 16:46	5/4/2022 22:09	Subtransmission	None	TIE 1467			EQUIPMENT FAILURE
5/4/2022 16:34	5/4/2022 18:18	Subtransmission	Distribution	TIE 1467	162	16957	EQUIPMENT FAILURE
5/5/2022 1:33	5/5/2022 4:30	Subtransmission	None	TRK 3124			EQUIPMENT FAILURE
5/5/2022 0:34	5/5/2022 6:43	Subtransmission	None	TRK 3124			EQUIPMENT FAILURE
5/13/2022 15:39	5/13/2022 19:44	Subtransmission	None	TRK 2742			EQUIPMENT FAILURE

5/13/2022 6:49	5/13/2022 11:01	Subtransmission	None	TRK 2742			EQUIPMENT FAILURE
5/14/2022 17:43	5/14/2022 22:10	Subtransmission	None	TIE 3209			EQUIPMENT FAILURE
5/14/2022 17:44	5/14/2022 20:30	Subtransmission	None	TIE 3209			EQUIPMENT FAILURE
6/3/2022 7:59	6/3/2022 14:30	Subtransmission	None	TRK 2005			EQUIPMENT FAILURE
6/9/2022 16:14	6/13/2022 14:18	Subtransmission	None	TRK 1525			EQUIPMENT FAILURE
6/11/2022 7:39	6/11/2022 14:00	Subtransmission	Distribution	TRK 5906	19	1868	EQUIPMENT FAILURE
6/11/2022 7:52	6/11/2022 21:50	Subtransmission	None	TRK 5906			EQUIPMENT FAILURE
6/11/2022 7:39	6/11/2022 8:27	Subtransmission	None	TRK 5906			EQUIPMENT FAILURE
6/11/2022 7:39	6/11/2022 8:36	Subtransmission	None	TRK 5906			EQUIPMENT FAILURE
6/11/2022 7:39	6/11/2022 8:38	Subtransmission	None	TRK 5906			EQUIPMENT FAILURE
6/15/2022 20:46	6/16/2022 5:02	Subtransmission	None	TIE 7520			EQUIPMENT FAILURE
6/16/2022 9:02	6/17/2022 8:34	Subtransmission	None	TIE 7504			EQUIPMENT FAILURE
6/26/2022 16:54	6/27/2022 3:50	Subtransmission	None	TIE 722			EQUIPMENT FAILURE
7/2/2022 6:47	7/2/2022 12:06	Subtransmission	None	TRK 1248			EQUIPMENT FAILURE
7/8/2022 19:26	7/8/2022 21:09	Subtransmission	Distribution	TRK 1761	148	8073	EQUIPMENT FAILURE
7/8/2022 19:26	7/8/2022 21:09	Subtransmission	Distribution	TRK 1761	842	45958	EQUIPMENT FAILURE
7/8/2022 19:26	7/8/2022 21:09	Subtransmission	Distribution	TRK 1761	1313	71681	EQUIPMENT FAILURE
7/13/2022 0:25	7/13/2022 1:28	Subtransmission	Distribution	TRK 4316	1342	85213	EQUIPMENT FAILURE
7/13/2022 0:24	7/13/2022 1:28	Subtransmission	Distribution	TRK 4316	525	33318	EQUIPMENT FAILURE
7/13/2022 0:24	7/13/2022 1:28	Subtransmission	Distribution	TRK 4316	161	10144	EQUIPMENT FAILURE
7/13/2022 0:25	7/13/2022 1:28	Subtransmission	Distribution	TRK 4316	1038	65884	EQUIPMENT FAILURE
7/13/2022 0:36	7/13/2022 7:07	Subtransmission	None	TRK 4316			EQUIPMENT FAILURE
7/17/2022 8:33	7/18/2022 5:17	Subtransmission	None	TRK 3028			EQUIPMENT FAILURE
7/23/2022 4:49	7/23/2022 20:05	Subtransmission	None	TRK 7106			EQUIPMENT FAILURE
7/23/2022 2:05	7/23/2022 5:54	Subtransmission	None	TRK 7106			EQUIPMENT FAILURE
7/23/2022 15:23	7/23/2022 17:57	Subtransmission	None	TRK 7106			EQUIPMENT FAILURE
7/24/2022 4:55	7/25/2022 16:00	Subtransmission	None	TIE 5823			EQUIPMENT FAILURE
7/24/2022 17:07	7/24/2022 21:01	Subtransmission	Subtransmission	TRK 853			EQUIPMENT FAILURE
7/24/2022 17:07	7/24/2022 19:30	Subtransmission	Subtransmission	TRK 853	610	82036	EQUIPMENT FAILURE
7/24/2022 17:07	7/24/2022 19:30	Subtransmission	Subtransmission	TRK 853	847	113965	EQUIPMENT FAILURE
8/8/2022 8:25	8/8/2022 9:26	Subtransmission	Distribution	TRK 2027	1437	77578	EQUIPMENT FAILURE
8/8/2022 8:30	8/8/2022 9:26	Subtransmission	Distribution	TRK 2027	260	14012	EQUIPMENT FAILURE
8/17/2022 16:04	8/19/2022 11:27	Subtransmission	None	TRK 4338			EQUIPMENT FAILURE
8/20/2022 14:13	8/20/2022 20:49	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
8/25/2022 1:10	8/25/2022 20:25	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
8/25/2022 1:19	8/26/2022 0:23	Subtransmission	None	TRK 1303			EQUIPMENT FAILURE
8/29/2022 21:10	9/2/2022 13:48	Subtransmission	None	TRK 1527			EQUIPMENT FAILURE
8/29/2022 18:14	9/1/2022 12:00	Subtransmission	Distribution	TRK 2418	30	1060	EQUIPMENT FAILURE
8/29/2022 23:18	9/2/2022 23:50	Subtransmission	None	TRK 4419			EQUIPMENT FAILURE
8/30/2022 10:57	8/31/2022 18:54	Subtransmission	None	TIE 2812			EQUIPMENT FAILURE
8/30/2022 18:57	9/1/2022 14:25	Subtransmission	None	TRK 3124			EQUIPMENT FAILURE
9/5/2022 19:22	9/5/2022 20:59	Subtransmission	None	TRK 4316			EQUIPMENT FAILURE
9/17/2022 16:49	9/17/2022 20:25	Subtransmission	None	TIE 187			EQUIPMENT FAILURE
9/30/2022 23:44	10/1/2022 2:03	Subtransmission	None	TIE 4708			EQUIPMENT FAILURE
10/5/2022 13:50	10/6/2022 7:20	Subtransmission	None	TIE 2812			EQUIPMENT FAILURE
10/5/2022 13:37	10/5/2022 15:00	Subtransmission	Distribution	TIE 2812			EQUIPMENT FAILURE
10/10/2022 13:23	10/10/2022 18:50	Subtransmission	None	TIE 3209			EQUIPMENT FAILURE
10/13/2022 9:00	10/13/2022 10:11	Subtransmission	Distribution	TIE 3241	280	19857	EQUIPMENT FAILURE
10/13/2022 9:00	10/13/2022 10:11	Subtransmission	Distribution	TIE 3241	426	25516	EQUIPMENT FAILURE
10/13/2022 9:00	10/13/2022 10:00	Subtransmission	Distribution	TIE 3241	540	32333	EQUIPMENT FAILURE
10/13/2022 9:00	10/13/2022 10:00	Subtransmission	Distribution	TIE 3241	337	20174	EQUIPMENT FAILURE
10/13/2022 9:00	10/13/2022 10:10	Subtransmission	Distribution	TIE 3241	1990	141300	EQUIPMENT FAILURE
10/13/2022 9:26	10/13/2022 10:12	Subtransmission	Distribution	TIE 3241	492	34908	EQUIPMENT FAILURE
10/19/2022 15:24	10/21/2022 14:56	Subtransmission	None	TRK 2054			EQUIPMENT FAILURE
11/5/2022 19:14	11/6/2022 19:00	Subtransmission	None	TIE 3417			EQUIPMENT FAILURE
11/25/2022 8:21	11/25/2022 14:16	Subtransmission	None	TIE 1544			EQUIPMENT FAILURE
11/25/2022 8:04	11/25/2022 9:00	Subtransmission	Distribution	TIE 1544			EQUIPMENT FAILURE
1/1/2023 9:10	1/2/2023 8:51	Subtransmission	None	TRK 6938			EQUIPMENT FAILURE
1/22/2023 11:49	1/23/2023 16:39	Subtransmission	None	TRK 3150			EQUIPMENT FAILURE
1/28/2023 9:12	1/28/2023 15:23	Subtransmission	Subtransmission	TRK 1645	194	15036	EQUIPMENT FAILURE
1/28/2023 9:14	1/28/2023 15:23	Subtransmission	Subtransmission	TRK 1645	434	33852	EQUIPMENT FAILURE
1/28/2023 14:06	1/28/2023 15:23	Subtransmission	Subtransmission	TRK 1645	9	699	EQUIPMENT FAILURE
2/13/2023 15:05	2/13/2023 18:01	Subtransmission		TRK 1862			EQUIPMENT FAILURE
2/21/2023 6:17	2/21/2023 7:55	Subtransmission		TIE 7702			EQUIPMENT FAILURE
2/23/2023 21:10	3/4/2023 18:49	Subtransmission		TIE 7702			EQUIPMENT FAILURE
2/24/2023 19:20	2/24/2023 23:00	Subtransmission		TIE 4104			EQUIPMENT FAILURE
2/26/2023 4:24	2/26/2023 7:07	Subtransmission		TRK 4045			EQUIPMENT FAILURE
3/1/2023 10:03	3/2/2023 11:52	Subtransmission		TRK 3512			EQUIPMENT FAILURE
3/17/2023 3:42	3/17/2023 14:44	Subtransmission	Circuit Level	TIE 4105	685	118200	EQUIPMENT FAILURE
3/17/2023 3:59	3/17/2023 14:45	Subtransmission	Circuit Level	TIE 4105	545	93498	EQUIPMENT FAILURE
3/17/2023 3:46	3/17/2023 16:48	Subtransmission	Circuit Level	TIE 4105	704	136643	EQUIPMENT FAILURE
3/19/2023 0:10	3/19/2023 5:08	Subtransmission	Circuit Level	TRK 3526	61	19898	EQUIPMENT FAILURE
3/19/2023 0:10	3/19/2023 5:07	Subtransmission	Circuit Level	TRK 3526	2	652	EQUIPMENT FAILURE
4/29/2023 6:43	4/29/2023 12:22	Subtransmission		TRK 2087			EQUIPMENT FAILURE
5/7/2023 12:50	5/13/2023 23:44	Subtransmission		TIE 3705			EQUIPMENT FAILURE
5/7/2023 12:28	5/7/2023 17:40	Subtransmission	Subtransmission	TIE 3705	2583	175439	EQUIPMENT FAILURE
5/11/2023 22:00	5/12/2023 4:42	Subtransmission	Device (II)	TRK 7971			EQUIPMENT FAILURE
5/11/2023 18:39	5/12/2023 4:23	Subtransmission	Single Customer	TRK 7971	1	180	EQUIPMENT FAILURE
5/18/2023 8:46	5/18/2023 13:26	Subtransmission		TIE 4595			EQUIPMENT FAILURE
5/30/2023 13:24	5/30/2023 17:21	Subtransmission		TRK 2806			EQUIPMENT FAILURE
5/30/2023 13:30	5/30/2023 19:56	Subtransmission	Device (II)	TRK 2806	610	102713	EQUIPMENT FAILURE
6/25/2023 13:18	6/26/2023 8:30	Subtransmission		TIE 9123			EQUIPMENT FAILURE
7/20/2023 17:21	7/21/2023 15:29	Subtransmission		TRK 7909			EQUIPMENT FAILURE
8/14/2023 17:30	8/14/2023 19:50	Subtransmission	Single Customer	TIE 7513	1	94	EQUIPMENT FAILURE
8/14/2023 16:06	8/14/2023 19:53	Subtransmission	Service Transformer	TIE 7513	1	123	EQUIPMENT FAILURE
8/14/2023 16:05	8/14/2023 19:50	Subtransmission	Single Customer	TIE 7513	1	171	EQUIPMENT FAILURE
8/14/2023 16:14	8/14/2023 19:54	Subtransmission	Single Customer	TIE 7513			EQUIPMENT FAILURE
8/14/2023 18:49	8/14/2023 20:04	Subtransmission	Single Customer	TIE 7513	1	171	EQUIPMENT FAILURE
8/18/2023 21:22	8/24/2023 4:02	Subtransmission		TRK 3511			EQUIPMENT FAILURE
8/20/2023 20:49	8/21/2023 6:33	Subtransmission	Subtransmission	TIE 1467	22	18785	EQUIPMENT FAILURE
8/20/2023 19:35	8/21/2023 4:51	Subtransmission		TIE 1467			EQUIPMENT FAILURE
8/24/2023 22:12	8/25/2023 17:09	Subtransmission		TIE 8033			EQUIPMENT FAILURE
8/25/2023 15:59	8/30/2023 21:02	Subtransmission		TRK 2025			EQUIPMENT FAILURE
8/30/2023 10:29	8/30/2023 16:08	Subtransmission	Service Transformer	TIE 1473	2	256	EQUIPMENT FAILURE
9/6/2023 14:28	9/6/2023 21:34	Subtransmission		TRK 4962			EQUIPMENT FAILURE
9/23/2023 12:47	9/23/2023 21:33	Subtransmission	Subtransmission	TIE 1467	1736	21956	EQUIPMENT FAILURE
10/26/2023 22:25	11/6/2023 14:39	Subtransmission		TRK 5938			EQUIPMENT FAILURE
11/5/2023 4:54	11/5/2023 18:09	Subtransmission		TRK 2010			EQUIPMENT FAILURE
11/5/2023 13:47	11/5/2023 22:26	Subtransmission		TRK 2444			EQUIPMENT FAILURE
12/6/2023 3:57	12/6/2023 6:06	Subtransmission	Subtransmission	TRK 1645	805	57782	EQUIPMENT FAILURE
12/6/2023 4:05	12/6/2023 6:05	Subtransmission	Subtransmission	TRK 1645	306	21951	EQUIPMENT FAILURE
7/1/2019 18:07	7/1/2019 22:15	Subtransmission	Subtransmission	TRK 7324	1060	161743	EQUIPMENT LOADING
7/1/2019 18:07	7/1/2019 22:15	Subtransmission	Subtransmission	TRK 7324	141	21484	EQUIPMENT LOADING
7/1/2019 18:07	7/1/2019 22:15	Subtransmission	Subtransmission	TRK 7324	876	159546	EQUIPMENT LOADING
7/1/2019 18:07	7/1/2019 22:15	Subtransmission	Subtransmission	TRK 7324	847	154520	EQUIPMENT LOADING

7/1/2019 18:07	7/1/2019 22:15	Subtransmission	Subtransmission	TRK 7324	1104	253465	EQUIPMENT LOADING
7/1/2019 18:07	7/1/2019 22:15	Subtransmission	Subtransmission	TRK 7324	1501	233503	EQUIPMENT LOADING
7/1/2019 18:07	7/1/2019 22:15	Subtransmission	Subtransmission	TRK 7324	664	101400	EQUIPMENT LOADING
7/1/2020 17:19	7/1/2020 18:14	Subtransmission	None	TRK 7106			EQUIPMENT LOADING
7/1/2020 17:08	7/1/2020 18:13	Subtransmission	Substation	TRK 7106	1311	71203	EQUIPMENT LOADING
3/30/2021 10:52	3/30/2021 12:58	Subtransmission	None	TIE 8033			EQUIPMENT LOADING
2/1/2023 15:09	2/1/2023 15:37	Subtransmission	Subtransmission	TRK 3161	24	1846	EQUIPMENT LOADING
7/19/2023 11:25	7/19/2023 17:13	Subtransmission	Subtransmission	TIE 9310	12	419	EQUIPMENT LOADING
2/23/2023 18:56	2/24/2023 17:21	Subtransmission	Single Customer	TIE 4104			ICE
2/23/2023 18:41	2/24/2023 17:16	Subtransmission	Single Customer	TIE 4104			ICE
2/23/2023 18:41	2/24/2023 17:21	Subtransmission	Single Customer	TIE 4104			ICE
2/23/2023 18:42	2/24/2023 17:20	Subtransmission	Single Customer	TIE 4104			ICE
2/23/2023 18:48	2/24/2023 17:19	Subtransmission	Single Customer	TIE 4104			ICE
2/23/2023 18:31	2/25/2023 19:37	Subtransmission	Subtransmission	TIE 4104	2181	1253428	ICE
3/14/2018 8:44	3/14/2018 14:52	Subtransmission	None	TRK 2525			INTENTIONAL
5/22/2020 11:59	5/22/2020 14:00	Subtransmission	Distribution	TIE 3416	207	23934	INTENTIONAL
5/5/2021 6:09	5/5/2021 6:50	Subtransmission	Distribution	TIE 3241	416	15311	INTENTIONAL
5/5/2021 22:29	5/5/2021 23:30	Subtransmission	Distribution	TIE 3241			INTENTIONAL
10/8/2022 12:32	10/8/2022 13:30	Subtransmission	Distribution	TRK 2493	2	64	INTENTIONAL
10/8/2022 12:26	10/8/2022 13:55	Subtransmission	Distribution	TRK 2493	3	146	INTENTIONAL
10/8/2022 10:55	10/8/2022 12:00	Subtransmission	Distribution	TRK 2493	3	130	INTENTIONAL
10/8/2022 11:38	10/8/2022 12:40	Subtransmission	Distribution	TRK 2493	1	28	INTENTIONAL
11/20/2023 14:57	1/13/2024 9:36	Subtransmission		TRK 2016			INTENTIONAL
12/10/2023 17:45	12/10/2023 20:57	Subtransmission		TRK 2439			INTENTIONAL
6/3/2020 2:49	6/3/2020 4:58	Subtransmission	Distribution	TIE 7520	426	55956	LIGHTNING
6/3/2020 2:49	6/3/2020 4:59	Subtransmission	Distribution	TIE 7520	189	25584	LIGHTNING
6/3/2020 2:49	6/3/2020 4:58	Subtransmission	Distribution	TIE 7520	381	48202	LIGHTNING
6/1/2021 19:17	6/8/2021 3:11	Subtransmission	None	TRK 5140			NO ISSUES FOUND
2/12/2018 10:57	2/12/2018 14:40	Subtransmission	None	TRK 1418			PUBLIC INTERFERENCE
2/12/2018 11:07	2/12/2018 12:49	Subtransmission	Distribution	TRK 1418	247	29126	PUBLIC INTERFERENCE
5/14/2018 2:45	5/14/2018 12:13	Subtransmission	None	TRK 2308			PUBLIC INTERFERENCE
6/12/2018 15:31	6/12/2018 15:58	Subtransmission	Subtransmission	TRK 7356	32	1665	PUBLIC INTERFERENCE
6/12/2018 15:02	6/12/2018 15:51	Subtransmission	Subtransmission	TRK 7356	1948	101889	PUBLIC INTERFERENCE
6/12/2018 14:59	6/12/2018 15:58	Subtransmission	Subtransmission	TRK 7356	1985	103906	PUBLIC INTERFERENCE
6/12/2018 15:45	6/12/2018 17:53	Subtransmission	None	TRK 7386			PUBLIC INTERFERENCE
6/27/2018 10:50	6/27/2018 20:19	Subtransmission	None	TRK 6938			PUBLIC INTERFERENCE
6/30/2018 17:01	6/30/2018 20:06	Subtransmission	None	TRK 5935			PUBLIC INTERFERENCE
6/30/2018 16:48	6/30/2018 19:17	Subtransmission	Distribution	TRK 5935	1025	149121	PUBLIC INTERFERENCE
6/30/2018 16:49	6/30/2018 19:17	Subtransmission	Distribution	TRK 5935	48	7034	PUBLIC INTERFERENCE
6/30/2018 16:49	6/30/2018 19:17	Subtransmission	Distribution	TRK 5935	1605	235058	PUBLIC INTERFERENCE
5/4/2018 18:42	5/5/2018 19:24	Subtransmission	None	TIE 3245			TREE
5/4/2018 13:11	5/6/2018 18:49	Subtransmission	None	TIE 4605			TREE
5/6/2018 12:22	5/17/2018 23:21	Subtransmission	None	TIE 6941			TREE
6/12/2018 14:56	6/12/2018 17:26	Subtransmission	None	TRK 1502			TREE
7/2/2018 11:26	7/2/2018 12:10	Subtransmission	Distribution	TIE 7504	941	35591	TREE
7/5/2018 19:24	7/6/2018 20:17	Subtransmission	None	TIE 3205			TREE
8/2/2018 17:13	8/2/2018 18:30	Subtransmission	Distribution	TIE 3208	476	38945	TREE
9/21/2018 0:24	9/21/2018 16:52	Subtransmission	None	TIE 3205			TREE
10/20/2018 16:53	10/21/2018 21:05	Subtransmission	None	TRK 2038			TREE
10/20/2018 16:54	10/21/2018 21:04	Subtransmission	None	TRK 2087			TREE
5/25/2019 4:29	5/25/2019 15:08	Subtransmission	None	TIE 3220			TREE
6/25/2019 9:25	6/25/2019 16:13	Subtransmission	None	TIE 3209			TREE
8/18/2019 14:37	8/18/2019 17:24	Subtransmission	None	TIE 4109			TREE
8/18/2019 14:37	8/18/2019 20:58	Subtransmission	None	TIE 4109			TREE
10/16/2019 22:42	10/17/2019 0:08	Subtransmission	Distribution	TIE 3205	564	56387	TREE
10/16/2019 22:23	10/17/2019 0:08	Subtransmission	Distribution	TIE 3205	469	47895	TREE
10/16/2019 22:33	10/17/2019 5:28	Subtransmission	None	TIE 3205			TREE
11/7/2019 15:48	11/7/2019 20:55	Subtransmission	None	TIE 4105			TREE
3/2/2020 16:41	3/2/2020 22:15	Subtransmission	Distribution	TIE 3206	595	194565	TREE
3/2/2020 17:06	3/2/2020 23:12	Subtransmission	None	TIE 3206			TREE
3/6/2020 13:02	3/7/2020 3:04	Subtransmission	None	TIE 3203			TREE
5/26/2020 19:53	5/26/2020 22:05	Subtransmission	None	TRK 1243			TREE
6/11/2020 20:37	6/12/2020 1:13	Subtransmission	None	TIE 3205			TREE
8/6/2020 11:09	8/6/2020 23:58	Subtransmission	None	TIE 9123			TREE
10/21/2020 8:30	10/21/2020 13:22	Subtransmission	None	TIE 1473			TREE
11/15/2020 20:21	11/16/2020 13:15	Subtransmission	None	TIE 4109			TREE
2/6/2021 0:47	2/7/2021 0:19	Subtransmission	None	TIE 1467			TREE
4/10/2021 21:47	4/11/2021 0:23	Subtransmission	Distribution	TIE 6147	1685	264262	TREE
4/10/2021 21:46	4/11/2021 0:23	Subtransmission	Subtransmission	TIE 6147	1481	231977	TREE
6/16/2021 8:57	6/16/2021 15:05	Subtransmission	None	TRK 7106			TREE
6/20/2021 22:31	6/21/2021 2:12	Subtransmission	None	TRK 5510			TREE
6/20/2021 22:27	6/22/2021 17:15	Subtransmission	None	TRK 5510			TREE
9/7/2021 15:40	9/7/2021 17:17	Subtransmission	Distribution	TIE 7520	433	42471	TREE
9/7/2021 15:40	9/7/2021 20:12	Subtransmission	Distribution	TIE 7520	187	51006	TREE
9/7/2021 15:40	9/7/2021 20:21	Subtransmission	Distribution	TIE 7520	390	119596	TREE
9/23/2021 20:15	9/24/2021 20:18	Subtransmission	None	TIE 4104			TREE
12/17/2021 13:29	12/17/2021 18:43	Subtransmission	None	TIE 4104			TREE
5/23/2022 17:53	5/23/2022 21:03	Subtransmission	None	TIE 7621			TREE
5/27/2022 3:45	5/27/2022 5:46	Subtransmission	None	TIE 1568			TREE
9/3/2022 14:23	9/4/2022 14:00	Subtransmission	Distribution	TIE 2819			TREE
9/3/2022 5:34	9/3/2022 14:28	Subtransmission	None	TIE 2819			TREE
9/3/2022 5:33	9/3/2022 14:12	Subtransmission	Distribution	TIE 2819	1	140	TREE
9/3/2022 5:29	9/3/2022 18:00	Subtransmission	Distribution	TIE 2819	48	8530	TREE
9/3/2022 5:36	9/3/2022 9:33	Subtransmission	None	TIE 2819			TREE
12/31/2022 12:39	12/31/2022 14:08	Subtransmission	Distribution	TRK 4227	1	38	TREE
2/22/2023 17:32	2/23/2023 22:03	Subtransmission	Circuit Level	TIE 4501	110	299846	TREE
2/22/2023 21:24	2/23/2023 9:08	Subtransmission	Substation	TIE 4501	505	1125138	TREE
2/24/2023 21:55	2/26/2023 10:43	Subtransmission		TIE 4104			TREE
2/24/2023 17:55	2/26/2023 18:46	Subtransmission		TIE 4501			TREE
2/25/2023 14:44	2/25/2023 21:00	Subtransmission	Circuit Level	TIE 4501	186	735938	TREE
6/11/2023 17:59	6/11/2023 19:37	Subtransmission	Circuit Level	TIE 3241	265	26199	TREE
6/11/2023 17:58	6/11/2023 19:37	Subtransmission	Circuit Level	TIE 3241	479	47391	TREE
6/11/2023 18:07	6/12/2023 1:28	Subtransmission	Circuit Level	TIE 3241	1954	208516	TREE
6/11/2023 20:42	6/12/2023 4:37	Subtransmission		TIE 3241			TREE
6/11/2023 17:59	6/12/2023 16:50	Subtransmission	Single Customer	TIE 3241			TREE
6/11/2023 18:04	6/13/2023 16:25	Subtransmission		TIE 3241			TREE
7/11/2023 17:13	7/11/2023 22:15	Subtransmission		TRK 6941			TREE
7/19/2023 11:13	7/19/2023 14:47	Subtransmission	Circuit Level	TIE 9103	1523	215573	TREE
7/20/2023 16:33	7/22/2023 14:07	Subtransmission		TIE 2648			TREE
8/24/2023 22:27	8/25/2023 20:17	Subtransmission	Device (I)	TRK 3124			TREE
8/24/2023 23:02	8/25/2023 20:38	Subtransmission	Subtransmission	TRK 3124	745	963531	TREE
8/24/2023 22:32	8/25/2023 20:18	Subtransmission	Circuit Level	TRK 3124	362	41759	TREE
10/7/2023 13:31	10/7/2023 19:51	Subtransmission	Subtransmission	TRK 3304	5	307	TREE
10/7/2023 13:34	10/7/2023 18:11	Subtransmission	Circuit Level	TRK 3304	510	38617	TREE
1/1/2018 10:19	1/1/2018 13:10	Subtransmission	None	TIE 7430			UNKNOWN/NO DATA

1/10/2018 12:10	1/11/2018 5:52	Subtransmission	None	TRK 2659			UNKNOWN/NO DATA
1/12/2018 11:32	1/13/2018 3:55	Subtransmission	None	TIE 1423			UNKNOWN/NO DATA
1/20/2018 6:48	1/20/2018 13:11	Subtransmission	None	TIE 1467			UNKNOWN/NO DATA
1/29/2018 8:00	1/29/2018 15:17	Subtransmission	None	TIE 2812			UNKNOWN/NO DATA
2/5/2018 20:54	2/6/2018 3:02	Subtransmission	None	TIE 3416			UNKNOWN/NO DATA
2/6/2018 19:12	2/7/2018 5:36	Subtransmission	None	TIE 6138			UNKNOWN/NO DATA
2/6/2018 11:48	2/6/2018 16:18	Subtransmission	None	TRK 6919			UNKNOWN/NO DATA
2/9/2018 20:36	2/9/2018 22:22	Subtransmission	None	TIE 1568			UNKNOWN/NO DATA
2/19/2018 19:29	2/20/2018 13:40	Subtransmission	None	TRK 2713			UNKNOWN/NO DATA
2/19/2018 13:11	2/19/2018 16:36	Subtransmission	None	TRK 620			UNKNOWN/NO DATA
2/20/2018 9:19	2/20/2018 10:13	Subtransmission	Subtransmission	TIE 3822	2279	123995	UNKNOWN/NO DATA
2/27/2018 13:45	2/27/2018 20:55	Subtransmission	None	TIE 1423			UNKNOWN/NO DATA
3/5/2018 7:51	3/5/2018 16:31	Subtransmission	None	TRK 2237			UNKNOWN/NO DATA
3/7/2018 6:52	3/14/2018 8:34	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA
3/12/2018 11:17	3/13/2018 6:56	Subtransmission	None	TIE 5823			UNKNOWN/NO DATA
3/12/2018 11:20	3/13/2018 9:44	Subtransmission	None	TRK 3650			UNKNOWN/NO DATA
3/25/2018 9:51	3/25/2018 12:19	Subtransmission	None	TRK 7062			UNKNOWN/NO DATA
4/3/2018 19:14	4/5/2018 7:10	Subtransmission	None	TRK 1527			UNKNOWN/NO DATA
4/4/2018 13:23	4/5/2018 14:17	Subtransmission	None	TIE 4109			UNKNOWN/NO DATA
4/4/2018 13:00	4/4/2018 20:58	Subtransmission	Distribution	TIE 4109	57	26607	UNKNOWN/NO DATA
4/5/2018 4:35	4/6/2018 14:09	Subtransmission	None	TRK 704			UNKNOWN/NO DATA
4/12/2018 17:49	4/13/2018 7:49	Subtransmission	None	TRK 428			UNKNOWN/NO DATA
4/15/2018 9:08	4/16/2018 18:17	Subtransmission	None	TIE 2025			UNKNOWN/NO DATA
4/15/2018 9:05	4/16/2018 15:01	Subtransmission	None	TIE 2025			UNKNOWN/NO DATA
4/15/2018 7:04	4/15/2018 8:41	Subtransmission	None	TRK 2918			UNKNOWN/NO DATA
4/26/2018 1:47	4/26/2018 13:38	Subtransmission	None	TRK 7062			UNKNOWN/NO DATA
5/1/2018 17:51	5/2/2018 1:46	Subtransmission	None	TRK 2250			UNKNOWN/NO DATA
5/4/2018 13:04	5/5/2018 20:55	Subtransmission	Distribution	TIE 3205	616	1124013	UNKNOWN/NO DATA
5/4/2018 19:19	5/6/2018 19:06	Subtransmission	None	TIE 3208			UNKNOWN/NO DATA
5/4/2018 16:17	5/8/2018 14:18	Subtransmission	None	TRK 2443			UNKNOWN/NO DATA
5/5/2018 7:34	5/5/2018 15:49	Subtransmission	None	TIE 7504			UNKNOWN/NO DATA
5/19/2018 16:28	5/21/2018 14:34	Subtransmission	None	TRK 2826			UNKNOWN/NO DATA
5/24/2018 11:55	5/25/2018 6:45	Subtransmission	None	TIE 4412			UNKNOWN/NO DATA
5/26/2018 5:50	5/26/2018 15:00	Subtransmission	None	TIE 7504			UNKNOWN/NO DATA
5/28/2018 21:11	5/30/2018 18:47	Subtransmission	None	TIE 4512			UNKNOWN/NO DATA
5/28/2018 16:09	5/28/2018 21:50	Subtransmission	None	TIE 4523			UNKNOWN/NO DATA
5/29/2018 16:26	5/30/2018 5:07	Subtransmission	None	TIE 4523			UNKNOWN/NO DATA
5/29/2018 16:19	5/30/2018 15:15	Subtransmission	None	TIE 4523			UNKNOWN/NO DATA
5/31/2018 7:35	5/31/2018 14:23	Subtransmission	None	TIE 7702			UNKNOWN/NO DATA
5/31/2018 7:39	5/31/2018 12:55	Subtransmission	None	TRK 3124			UNKNOWN/NO DATA
6/1/2018 17:45	6/4/2018 6:43	Subtransmission	None	TIE 7430			UNKNOWN/NO DATA
6/9/2018 19:00	6/14/2018 20:13	Subtransmission	None	TRK 2418			UNKNOWN/NO DATA
6/18/2018 23:49	6/19/2018 14:39	Subtransmission	None	TRK 1346			UNKNOWN/NO DATA
6/18/2018 11:51	6/18/2018 15:56	Subtransmission	None	TRK 2636			UNKNOWN/NO DATA
6/18/2018 17:34	6/19/2018 9:46	Subtransmission	None	TRK 7114			UNKNOWN/NO DATA
6/20/2018 6:42	6/20/2018 12:05	Subtransmission	None	TRK 1346			UNKNOWN/NO DATA
6/22/2018 8:55	6/22/2018 12:37	Subtransmission	None	TRK 1276			UNKNOWN/NO DATA
6/24/2018 9:27	6/24/2018 13:06	Subtransmission	None	TRK 1340			UNKNOWN/NO DATA
6/24/2018 3:24	6/24/2018 7:20	Subtransmission	Distribution	TRK 1340	603	143259	UNKNOWN/NO DATA
6/26/2018 11:36	6/26/2018 14:42	Subtransmission	None	TIE 2901			UNKNOWN/NO DATA
6/27/2018 8:23	6/27/2018 13:34	Subtransmission	None	TIE 2819			UNKNOWN/NO DATA
7/1/2018 17:10	7/1/2018 18:57	Subtransmission	None	TIE 2901			UNKNOWN/NO DATA
7/2/2018 15:58	7/2/2018 20:21	Subtransmission	None	TRK 7104			UNKNOWN/NO DATA
7/3/2018 12:23	7/3/2018 15:36	Subtransmission	None	TRK 5935			UNKNOWN/NO DATA
7/5/2018 12:10	7/5/2018 20:39	Subtransmission	None	TIE 6138			UNKNOWN/NO DATA
7/5/2018 7:13	7/5/2018 12:15	Subtransmission	None	TRK 7104			UNKNOWN/NO DATA
7/6/2018 9:59	7/6/2018 14:58	Subtransmission	None	TIE 8623			UNKNOWN/NO DATA
7/9/2018 9:47	7/9/2018 11:16	Subtransmission	Distribution	TRK 641	816	73220	UNKNOWN/NO DATA
7/9/2018 9:47	7/9/2018 11:16	Subtransmission	Distribution	TRK 641	308	27275	UNKNOWN/NO DATA
7/9/2018 9:47	7/9/2018 11:16	Subtransmission	Distribution	TRK 641	93	8405	UNKNOWN/NO DATA
7/9/2018 9:47	7/9/2018 11:15	Subtransmission	Distribution	TRK 641	10	880	UNKNOWN/NO DATA
7/10/2018 19:51	7/10/2018 22:27	Subtransmission	None	TRK 2918			UNKNOWN/NO DATA
7/13/2018 0:38	7/13/2018 6:51	Subtransmission	None	TIE 1540			UNKNOWN/NO DATA
7/15/2018 6:32	7/15/2018 16:20	Subtransmission	None	TRK 2523			UNKNOWN/NO DATA
7/16/2018 18:18	7/17/2018 7:59	Subtransmission	None	TIE 2819			UNKNOWN/NO DATA
7/16/2018 10:44	7/16/2018 15:56	Subtransmission	None	TIE 4523			UNKNOWN/NO DATA
7/16/2018 15:34	7/17/2018 17:33	Subtransmission	None	TIE 4523			UNKNOWN/NO DATA
7/17/2018 14:15	7/18/2018 6:37	Subtransmission	None	TIE 6621			UNKNOWN/NO DATA
7/17/2018 7:52	7/18/2018 6:38	Subtransmission	None	TIE 6621			UNKNOWN/NO DATA
7/22/2018 6:45	7/22/2018 17:24	Subtransmission	None	TIE 3220			UNKNOWN/NO DATA
7/29/2018 9:13	7/30/2018 8:33	Subtransmission	None	TIE 8014			UNKNOWN/NO DATA
8/1/2018 0:05	8/1/2018 9:10	Subtransmission	None	TIE 9107			UNKNOWN/NO DATA
8/1/2018 12:01	8/1/2018 21:03	Subtransmission	None	TRK 7122			UNKNOWN/NO DATA
8/3/2018 7:03	8/3/2018 13:48	Subtransmission	None	TRK 1276			UNKNOWN/NO DATA
8/5/2018 15:49	8/6/2018 7:27	Subtransmission	None	TIE 1467			UNKNOWN/NO DATA
8/5/2018 11:27	8/5/2018 14:08	Subtransmission	None	TIE 8014			UNKNOWN/NO DATA
8/8/2018 16:17	8/9/2018 1:01	Subtransmission	None	TRK 775			UNKNOWN/NO DATA
8/9/2018 14:35	8/11/2018 17:12	Subtransmission	None	TRK 7324			UNKNOWN/NO DATA
8/11/2018 23:46	8/12/2018 7:35	Subtransmission	None	TIE 4412			UNKNOWN/NO DATA
8/11/2018 17:41	8/11/2018 20:37	Subtransmission	None	TRK 2005			UNKNOWN/NO DATA
8/13/2018 2:14	8/13/2018 8:16	Subtransmission	None	TIE 6621			UNKNOWN/NO DATA
8/15/2018 1:59	8/15/2018 8:29	Subtransmission	None	TIE 3416			UNKNOWN/NO DATA
8/18/2018 21:15	8/19/2018 17:49	Subtransmission	None	TIE 7745			UNKNOWN/NO DATA
8/19/2018 12:39	8/22/2018 13:02	Subtransmission	None	TRK 5855			UNKNOWN/NO DATA
8/19/2018 7:28	8/19/2018 17:08	Subtransmission	None	TRK 775			UNKNOWN/NO DATA
8/21/2018 16:55	8/22/2018 5:25	Subtransmission	None	TIE 3205			UNKNOWN/NO DATA
8/22/2018 9:04	10/1/2018 5:01	Subtransmission	None	TIE 6621			UNKNOWN/NO DATA
8/24/2018 10:45	8/24/2018 14:15	Subtransmission	None	TRK 5838			UNKNOWN/NO DATA
8/27/2018 6:38	8/28/2018 6:24	Subtransmission	None	TIE 226			UNKNOWN/NO DATA
8/28/2018 21:44	8/29/2018 5:24	Subtransmission	None	TIE 3209			UNKNOWN/NO DATA
8/28/2018 22:33	8/31/2018 9:41	Subtransmission	None	TIE 3245			UNKNOWN/NO DATA
8/28/2018 11:18	8/28/2018 19:47	Subtransmission	None	TIE 3417			UNKNOWN/NO DATA
8/30/2018 8:24	8/30/2018 15:45	Subtransmission	None	TIE 5823			UNKNOWN/NO DATA
9/1/2018 17:31	9/2/2018 15:35	Subtransmission	None	TIE 4104			UNKNOWN/NO DATA
9/2/2018 12:32	9/3/2018 16:39	Subtransmission	None	TIE 1568			UNKNOWN/NO DATA
9/3/2018 0:41	9/3/2018 12:25	Subtransmission	None	TIE 3205			UNKNOWN/NO DATA
9/3/2018 9:24	9/4/2018 6:51	Subtransmission	None	TIE 8014			UNKNOWN/NO DATA
9/3/2018 13:19	9/3/2018 19:32	Subtransmission	None	TRK 2038			UNKNOWN/NO DATA
9/3/2018 16:57	9/3/2018 19:09	Subtransmission	None	TRK 2713			UNKNOWN/NO DATA
9/4/2018 10:27	9/5/2018 15:45	Subtransmission	None	TRK 4338			UNKNOWN/NO DATA
9/16/2018 19:09	9/17/2018 4:15	Subtransmission	None	TRK 5127			UNKNOWN/NO DATA
9/17/2018 12:48	9/17/2018 14:10	Subtransmission	Distribution	TRK 2027	1891	157507	UNKNOWN/NO DATA
9/21/2018 16:53	9/21/2018 20:22	Subtransmission	None	TIE 3705			UNKNOWN/NO DATA
9/21/2018 11:24	9/21/2018 13:05	Subtransmission	None	TIE 4501			UNKNOWN/NO DATA
9/21/2018 11:15	9/21/2018 12:30	Subtransmission	Distribution	TIE 4501	350	20926	UNKNOWN/NO DATA

9/24/2018 17:05	9/24/2018 21:31	Subtransmission	None	TRK 2611			UNKNOWN/NO DATA
9/25/2018 8:48	9/25/2018 14:41	Subtransmission	None	TIE 3245			UNKNOWN/NO DATA
9/29/2018 11:37	9/29/2018 16:30	Subtransmission	None	TRK 3508			UNKNOWN/NO DATA
10/1/2018 6:32	10/1/2018 15:27	Subtransmission	None	TIE 3205			UNKNOWN/NO DATA
10/3/2018 6:53	10/18/2018 8:14	Subtransmission	None	TRK 4351			UNKNOWN/NO DATA
10/4/2018 5:47	10/4/2018 11:20	Subtransmission	None	TIE 5823			UNKNOWN/NO DATA
10/6/2018 12:45	10/18/2018 14:13	Subtransmission	None	TIE 7745			UNKNOWN/NO DATA
10/6/2018 3:56	10/18/2018 11:36	Subtransmission	None	TRK 2032			UNKNOWN/NO DATA
10/6/2018 9:56	10/6/2018 16:09	Subtransmission	None	TRK 2301			UNKNOWN/NO DATA
10/9/2018 16:52	10/11/2018 8:23	Subtransmission	None	TIE 7513			UNKNOWN/NO DATA
10/10/2018 9:26	10/10/2018 17:52	Subtransmission	None	TRK 5127			UNKNOWN/NO DATA
10/11/2018 16:52	10/11/2018 23:43	Subtransmission	None	TRK 4316			UNKNOWN/NO DATA
10/14/2018 17:27	10/15/2018 22:06	Subtransmission	None	TRK 1527			UNKNOWN/NO DATA
10/16/2018 11:06	10/16/2018 16:45	Subtransmission	None	TRK 6938			UNKNOWN/NO DATA
10/17/2018 22:31	10/18/2018 11:14	Subtransmission	None	TIE 9107			UNKNOWN/NO DATA
10/17/2018 23:28	10/18/2018 4:03	Subtransmission	None	TRK 1340			UNKNOWN/NO DATA
10/21/2018 19:38	10/23/2018 8:18	Subtransmission	None	TRK 1340			UNKNOWN/NO DATA
10/23/2018 8:51	10/23/2018 18:57	Subtransmission	None	TIE 3416			UNKNOWN/NO DATA
10/23/2018 9:11	10/23/2018 15:11	Subtransmission	None	TIE 3416			UNKNOWN/NO DATA
10/24/2018 17:07	10/24/2018 20:03	Subtransmission	None	TIE 6138			UNKNOWN/NO DATA
11/6/2018 8:14	11/6/2018 16:28	Subtransmission	None	TIE 6907			UNKNOWN/NO DATA
11/6/2018 13:59	11/7/2018 2:44	Subtransmission	None	TRK 1527			UNKNOWN/NO DATA
11/7/2018 12:34	11/7/2018 16:17	Subtransmission	None	TIE 3500			UNKNOWN/NO DATA
11/8/2018 9:59	11/8/2018 12:39	Subtransmission	None	TRK 1243			UNKNOWN/NO DATA
11/9/2018 9:56	11/9/2018 14:05	Subtransmission	None	TRK 5935			UNKNOWN/NO DATA
11/14/2018 3:51	11/14/2018 21:01	Subtransmission	None	TIE 5513			UNKNOWN/NO DATA
11/15/2018 13:24	11/15/2018 16:57	Subtransmission	None	TRK 1346			UNKNOWN/NO DATA
11/26/2018 15:50	11/26/2018 19:25	Subtransmission	None	TIE 3208			UNKNOWN/NO DATA
11/26/2018 17:09	11/27/2018 1:37	Subtransmission	None	TRK 6938			UNKNOWN/NO DATA
11/30/2018 12:19	11/30/2018 17:04	Subtransmission	None	TIE 1531			UNKNOWN/NO DATA
12/1/2018 23:20	12/3/2018 8:30	Subtransmission	None	TIE 7702			UNKNOWN/NO DATA
12/5/2018 22:18	12/8/2018 8:55	Subtransmission	None	TIE 1531			UNKNOWN/NO DATA
12/6/2018 10:55	12/6/2018 13:32	Subtransmission	None	TRK 6759			UNKNOWN/NO DATA
12/8/2018 1:05	12/8/2018 13:59	Subtransmission	None	TRK 8215			UNKNOWN/NO DATA
12/12/2018 13:11	12/12/2018 15:36	Subtransmission	None	TRK 3536			UNKNOWN/NO DATA
12/12/2018 12:20	12/12/2018 16:12	Subtransmission	None	TRK 372			UNKNOWN/NO DATA
12/22/2018 16:21	12/22/2018 20:04	Subtransmission	None	TRK 620			UNKNOWN/NO DATA
12/24/2018 6:42	12/24/2018 17:35	Subtransmission	None	TIE 4104			UNKNOWN/NO DATA
12/26/2018 9:32	12/26/2018 16:19	Subtransmission	None	TRK 4316			UNKNOWN/NO DATA
12/28/2018 18:44	12/28/2018 20:37	Subtransmission	None	TRK 1251			UNKNOWN/NO DATA
1/1/2019 15:41	1/1/2019 17:57	Subtransmission	None	TRK 5855			UNKNOWN/NO DATA
1/5/2019 15:18	1/5/2019 21:04	Subtransmission	None	TRK 2528			UNKNOWN/NO DATA
1/7/2019 13:25	1/7/2019 21:07	Subtransmission	None	TRK 2659			UNKNOWN/NO DATA
1/13/2019 9:46	1/13/2019 14:45	Subtransmission	None	TIE 2648			UNKNOWN/NO DATA
1/13/2019 21:52	1/14/2019 2:39	Subtransmission	None	TRK 7065			UNKNOWN/NO DATA
1/18/2019 10:03	1/18/2019 14:32	Subtransmission	None	TRK 7065			UNKNOWN/NO DATA
1/23/2019 10:22	1/23/2019 17:41	Subtransmission	None	TIE 4708			UNKNOWN/NO DATA
1/26/2019 12:43	1/26/2019 22:24	Subtransmission	None	TIE 5823			UNKNOWN/NO DATA
2/13/2019 11:32	2/13/2019 16:14	Subtransmission	None	TIE 3212			UNKNOWN/NO DATA
2/18/2019 19:23	2/18/2019 19:37	Subtransmission	None	TRK 3526			UNKNOWN/NO DATA
2/20/2019 18:10	2/20/2019 22:48	Subtransmission	None	TIE 185			UNKNOWN/NO DATA
2/24/2019 19:04	2/26/2019 20:35	Subtransmission	None	TIE 3417			UNKNOWN/NO DATA
2/24/2019 17:57	2/24/2019 19:53	Subtransmission	Distribution	TIE 3417	589	61903	UNKNOWN/NO DATA
2/24/2019 9:56	2/24/2019 14:36	Subtransmission	None	TIE 7745			UNKNOWN/NO DATA
2/24/2019 6:03	2/24/2019 11:31	Subtransmission	None	TRK 5917			UNKNOWN/NO DATA
2/25/2019 13:05	2/25/2019 13:11	Subtransmission	None	TIE 9211			UNKNOWN/NO DATA
3/8/2019 14:21	3/8/2019 18:05	Subtransmission	None	TRK 3526			UNKNOWN/NO DATA
3/9/2019 7:55	3/9/2019 15:50	Subtransmission	None	TRK 6938			UNKNOWN/NO DATA
3/10/2019 9:25	3/10/2019 22:22	Subtransmission	None	TIE 6602			UNKNOWN/NO DATA
3/10/2019 9:14	3/10/2019 10:26	Subtransmission	Distribution	TIE 6602	130	9311	UNKNOWN/NO DATA
3/14/2019 20:51	3/14/2019 22:00	Subtransmission	Distribution	TIE 9107	524	36237	UNKNOWN/NO DATA
3/14/2019 20:51	3/14/2019 22:00	Subtransmission	Distribution	TIE 9107	258	17725	UNKNOWN/NO DATA
3/14/2019 20:51	3/14/2019 22:00	Subtransmission	Distribution	TIE 9107	11	757	UNKNOWN/NO DATA
3/14/2019 23:32	3/15/2019 19:08	Subtransmission	None	TIE 9107			UNKNOWN/NO DATA
3/16/2019 7:32	3/16/2019 16:35	Subtransmission	None	TIE 807			UNKNOWN/NO DATA
3/18/2019 19:11	3/19/2019 6:00	Subtransmission	None	TRK 1527			UNKNOWN/NO DATA
3/19/2019 16:01	3/20/2019 0:03	Subtransmission	None	TRK 2918			UNKNOWN/NO DATA
3/26/2019 12:20	3/26/2019 12:57	Subtransmission	None	TIE 810			UNKNOWN/NO DATA
3/26/2019 17:10	3/26/2019 18:38	Subtransmission	None	TRK 7035			UNKNOWN/NO DATA
3/31/2019 16:08	3/31/2019 19:15	Subtransmission	None	TIE 3206			UNKNOWN/NO DATA
3/31/2019 8:33	3/31/2019 15:26	Subtransmission	None	TIE 5843			UNKNOWN/NO DATA
3/31/2019 18:50	3/31/2019 23:51	Subtransmission	None	TRK 1502			UNKNOWN/NO DATA
4/1/2019 21:05	4/2/2019 4:28	Subtransmission	None	TRK 2247			UNKNOWN/NO DATA
4/1/2019 13:58	4/1/2019 17:21	Subtransmission	None	TRK 4962			UNKNOWN/NO DATA
4/3/2019 13:48	4/3/2019 18:13	Subtransmission	None	TIE 3205			UNKNOWN/NO DATA
4/6/2019 9:09	4/6/2019 12:30	Subtransmission	None	TRK 2301			UNKNOWN/NO DATA
4/8/2019 15:14	4/8/2019 18:19	Subtransmission	None	TRK 1243			UNKNOWN/NO DATA
4/12/2019 18:26	4/12/2019 21:22	Subtransmission	None	TIE 5843			UNKNOWN/NO DATA
4/15/2019 17:16	4/15/2019 18:58	Subtransmission	None	TRK 3646			UNKNOWN/NO DATA
4/23/2019 0:32	4/23/2019 11:55	Subtransmission	None	TRK 4601			UNKNOWN/NO DATA
5/3/2019 11:44	5/3/2019 17:18	Subtransmission	None	TRK 2218			UNKNOWN/NO DATA
5/12/2019 11:41	5/12/2019 21:16	Subtransmission	None	TRK 1403			UNKNOWN/NO DATA
5/17/2019 4:46	5/17/2019 17:40	Subtransmission	None	TRK 7114			UNKNOWN/NO DATA
5/23/2019 16:18	5/25/2019 14:44	Subtransmission	None	TRK 6938			UNKNOWN/NO DATA
5/24/2019 8:49	5/24/2019 9:18	Subtransmission	None	TIE 2025			UNKNOWN/NO DATA
5/25/2019 8:54	5/25/2019 14:20	Subtransmission	None	TIE 2025			UNKNOWN/NO DATA
5/25/2019 13:41	5/25/2019 17:50	Subtransmission	None	TRK 7035			UNKNOWN/NO DATA
5/26/2019 1:18	5/26/2019 5:41	Subtransmission	None	TIE 1473			UNKNOWN/NO DATA
5/26/2019 19:21	5/27/2019 7:33	Subtransmission	None	TRK 5853			UNKNOWN/NO DATA
5/28/2019 12:38	5/28/2019 17:36	Subtransmission	None	TRK 2510			UNKNOWN/NO DATA
5/29/2019 12:27	5/29/2019 20:36	Subtransmission	None	TIE 2812			UNKNOWN/NO DATA
6/1/2019 15:24	6/2/2019 5:57	Subtransmission	None	TIE 3203			UNKNOWN/NO DATA
6/2/2019 8:51	6/2/2019 10:23	Subtransmission	None	TRK 7389			UNKNOWN/NO DATA
6/3/2019 20:05	6/4/2019 6:03	Subtransmission	None	TRK 2742			UNKNOWN/NO DATA
6/4/2019 15:32	6/4/2019 17:10	Subtransmission	None	TIE 2812			UNKNOWN/NO DATA
6/7/2019 2:36	6/7/2019 16:14	Subtransmission	None	TIE 6907			UNKNOWN/NO DATA
6/7/2019 18:40	6/7/2019 20:04	Subtransmission	None	TRK 2054			UNKNOWN/NO DATA
6/9/2019 12:14	6/9/2019 20:30	Subtransmission	None	TIE 3402			UNKNOWN/NO DATA
6/10/2019 18:53	6/11/2019 0:24	Subtransmission	None	TIE 226			UNKNOWN/NO DATA
6/10/2019 8:37	6/10/2019 16:18	Subtransmission	None	TIE 6621			UNKNOWN/NO DATA
6/10/2019 14:40	6/11/2019 6:06	Subtransmission	None	TRK 1243			UNKNOWN/NO DATA
6/10/2019 10:41	6/10/2019 14:18	Subtransmission	None	TRK 2466			UNKNOWN/NO DATA
6/12/2019 22:27	6/13/2019 11:48	Subtransmission	None	TRK 1409			UNKNOWN/NO DATA
6/13/2019 8:43	6/13/2019 11:55	Subtransmission	None	TIE 810			UNKNOWN/NO DATA
6/15/2019 18:44	6/16/2019 4:10	Subtransmission	None	TRK 1409			UNKNOWN/NO DATA

6/16/2019 17:03	6/16/2019 20:01	Subtransmission	None	TRK 1232			UNKNOWN/NO DATA
6/19/2019 14:32	6/19/2019 20:36	Subtransmission	None	TRK 2237			UNKNOWN/NO DATA
6/23/2019 8:49	6/23/2019 18:42	Subtransmission	None	TRK 3661			UNKNOWN/NO DATA
6/23/2019 16:42	6/24/2019 6:22	Subtransmission	None	TRK 7389			UNKNOWN/NO DATA
6/26/2019 17:44	6/27/2019 2:44	Subtransmission	None	TRK 7389			UNKNOWN/NO DATA
6/27/2019 2:28	6/27/2019 15:03	Subtransmission	None	TRK 2840			UNKNOWN/NO DATA
6/28/2019 11:30	6/29/2019 13:15	Subtransmission	None	TIE 3209			UNKNOWN/NO DATA
6/28/2019 10:46	6/28/2019 11:50	Subtransmission	Distribution	TIE 4109	665	42495	UNKNOWN/NO DATA
6/28/2019 10:46	6/28/2019 12:20	Subtransmission	Distribution	TIE 4109	685	61963	UNKNOWN/NO DATA
6/28/2019 10:46	6/28/2019 11:50	Subtransmission	Distribution	TIE 4109	223	13718	UNKNOWN/NO DATA
6/28/2019 9:14	6/29/2019 10:24	Subtransmission	None	TRK 2038			UNKNOWN/NO DATA
6/30/2019 10:56	6/30/2019 21:36	Subtransmission	None	TRK 5906			UNKNOWN/NO DATA
7/2/2019 21:52	7/3/2019 3:46	Subtransmission	None	TIE 1423			UNKNOWN/NO DATA
7/4/2019 12:07	7/4/2019 18:06	Subtransmission	None	TRK 7106			UNKNOWN/NO DATA
7/5/2019 6:46	7/5/2019 11:35	Subtransmission	None	TIE 8014			UNKNOWN/NO DATA
7/5/2019 16:59	7/5/2019 22:05	Subtransmission	None	TRK 446			UNKNOWN/NO DATA
7/6/2019 22:08	7/7/2019 10:09	Subtransmission	None	TIE 1544			UNKNOWN/NO DATA
7/6/2019 2:03	7/7/2019 15:25	Subtransmission	None	TIE 3209			UNKNOWN/NO DATA
7/7/2019 11:36	7/7/2019 21:30	Subtransmission	None	TIE 3205			UNKNOWN/NO DATA
7/7/2019 1:54	7/7/2019 12:12	Subtransmission	None	TIE 8033			UNKNOWN/NO DATA
7/11/2019 12:03	7/11/2019 18:24	Subtransmission	None	TIE 8014			UNKNOWN/NO DATA
7/11/2019 13:05	7/11/2019 17:20	Subtransmission	None	TIE 817			UNKNOWN/NO DATA
7/11/2019 12:03	7/11/2019 15:49	Subtransmission	None	TRK 3632			UNKNOWN/NO DATA
7/17/2019 19:34	7/18/2019 2:26	Subtransmission	None	TIE 1568			UNKNOWN/NO DATA
7/19/2019 20:05	7/20/2019 15:22	Subtransmission	None	TIE 2812			UNKNOWN/NO DATA
7/19/2019 19:45	7/25/2019 15:49	Subtransmission	None	TIE 5843			UNKNOWN/NO DATA
7/19/2019 23:01	7/22/2019 18:32	Subtransmission	None	TIE 7621			UNKNOWN/NO DATA
7/19/2019 22:13	7/21/2019 21:14	Subtransmission	None	TRK 1563			UNKNOWN/NO DATA
7/19/2019 14:12	7/25/2019 14:59	Subtransmission	None	TRK 2826			UNKNOWN/NO DATA
7/19/2019 19:21	7/25/2019 15:42	Subtransmission	None	TRK 6304			UNKNOWN/NO DATA
7/19/2019 19:06	7/20/2019 5:52	Subtransmission	None	TRK 6919			UNKNOWN/NO DATA
7/19/2019 16:15	7/25/2019 11:59	Subtransmission	None	TRK 7756			UNKNOWN/NO DATA
7/20/2019 7:38	7/20/2019 20:29	Subtransmission	None	TIE 4523			UNKNOWN/NO DATA
7/20/2019 10:21	7/25/2019 14:57	Subtransmission	None	TIE 7621			UNKNOWN/NO DATA
7/21/2019 0:59	7/21/2019 20:10	Subtransmission	None	TIE 4104			UNKNOWN/NO DATA
7/21/2019 0:56	7/25/2019 12:27	Subtransmission	None	TRK 5404			UNKNOWN/NO DATA
7/22/2019 1:18	7/22/2019 18:50	Subtransmission	None	TIE 9107			UNKNOWN/NO DATA
7/23/2019 16:10	7/26/2019 11:09	Subtransmission	None	TIE 4105			UNKNOWN/NO DATA
7/23/2019 17:48	7/25/2019 14:58	Subtransmission	None	TIE 5823			UNKNOWN/NO DATA
7/23/2019 17:58	7/24/2019 6:47	Subtransmission	None	TRK 6828			UNKNOWN/NO DATA
7/27/2019 7:16	7/28/2019 1:24	Subtransmission	None	TRK 1502			UNKNOWN/NO DATA
7/28/2019 13:29	7/28/2019 16:29	Subtransmission	None	TRK 2628			UNKNOWN/NO DATA
7/29/2019 13:35	7/29/2019 20:30	Subtransmission	None	TIE 5823			UNKNOWN/NO DATA
7/29/2019 16:47	7/29/2019 23:17	Subtransmission	None	TIE 5843			UNKNOWN/NO DATA
8/3/2019 8:27	8/3/2019 19:30	Subtransmission	None	TIE 3209			UNKNOWN/NO DATA
8/7/2019 3:43	8/7/2019 23:59	Subtransmission	None	TIE 1531			UNKNOWN/NO DATA
8/8/2019 15:44	8/8/2019 22:32	Subtransmission	None	TIE 1531			UNKNOWN/NO DATA
8/11/2019 21:59	8/11/2019 22:54	Subtransmission	None	TIE 7745			UNKNOWN/NO DATA
8/11/2019 18:33	8/11/2019 22:41	Subtransmission	None	TRK 1303			UNKNOWN/NO DATA
8/17/2019 18:24	8/18/2019 19:46	Subtransmission	None	TIE 3220			UNKNOWN/NO DATA
8/17/2019 23:42	8/18/2019 15:17	Subtransmission	None	TIE 9107			UNKNOWN/NO DATA
8/18/2019 20:44	8/19/2019 3:00	Subtransmission	Subtransmission	TIE 1473	54	19788	UNKNOWN/NO DATA
8/18/2019 20:43	8/19/2019 3:30	Subtransmission	Subtransmission	TIE 1473	105	37489	UNKNOWN/NO DATA
8/18/2019 21:26	8/19/2019 11:53	Subtransmission	None	TIE 810			UNKNOWN/NO DATA
8/18/2019 14:26	8/18/2019 20:58	Subtransmission	None	TRK 7062			UNKNOWN/NO DATA
8/19/2019 0:15	8/19/2019 0:58	Subtransmission	None	TRK 5145			UNKNOWN/NO DATA
8/21/2019 8:09	8/23/2019 13:07	Subtransmission	None	TIE 2819			UNKNOWN/NO DATA
8/21/2019 19:15	8/21/2019 20:24	Subtransmission	Distribution	TIE 3208	263	16847	UNKNOWN/NO DATA
8/21/2019 19:15	8/21/2019 20:24	Subtransmission	Distribution	TIE 3208	134	8672	UNKNOWN/NO DATA
8/21/2019 19:15	8/21/2019 20:28	Subtransmission	Distribution	TIE 3208	380	24590	UNKNOWN/NO DATA
8/21/2019 19:30	8/22/2019 4:53	Subtransmission	None	TIE 3208			UNKNOWN/NO DATA
8/24/2019 11:19	8/24/2019 21:03	Subtransmission	None	TRK 1403			UNKNOWN/NO DATA
8/26/2019 12:29	8/27/2019 10:36	Subtransmission	None	TRK 1134			UNKNOWN/NO DATA
8/27/2019 14:26	8/27/2019 21:39	Subtransmission	None	TIE 8014			UNKNOWN/NO DATA
8/28/2019 13:29	8/28/2019 21:30	Subtransmission	None	TRK 1243			UNKNOWN/NO DATA
8/29/2019 7:32	8/31/2019 6:09	Subtransmission	None	TRK 2541			UNKNOWN/NO DATA
9/1/2019 15:11	9/1/2019 19:22	Subtransmission	None	TRK 4301			UNKNOWN/NO DATA
9/2/2019 15:46	9/4/2019 2:19	Subtransmission	None	TIE 8033			UNKNOWN/NO DATA
9/3/2019 18:38	9/3/2019 20:58	Subtransmission	None	TRK 2523			UNKNOWN/NO DATA
9/5/2019 12:51	9/6/2019 1:35	Subtransmission	None	TIE 5513			UNKNOWN/NO DATA
9/7/2019 11:28	9/7/2019 14:20	Subtransmission	None	TIE 3705			UNKNOWN/NO DATA
9/9/2019 12:13	9/9/2019 17:58	Subtransmission	None	TRK 5145			UNKNOWN/NO DATA
9/10/2019 8:29	9/10/2019 14:36	Subtransmission	None	TIE 3209			UNKNOWN/NO DATA
9/10/2019 21:11	9/11/2019 6:47	Subtransmission	None	TIE 3417			UNKNOWN/NO DATA
9/11/2019 12:51	9/11/2019 15:12	Subtransmission	None	TIE 3417			UNKNOWN/NO DATA
9/11/2019 19:01	9/12/2019 11:09	Subtransmission	None	TRK 2087			UNKNOWN/NO DATA
9/11/2019 13:59	9/11/2019 17:18	Subtransmission	None	TRK 346			UNKNOWN/NO DATA
9/11/2019 14:16	9/17/2019 9:16	Subtransmission	None	TRK 6508			UNKNOWN/NO DATA
9/11/2019 16:03	9/11/2019 17:41	Subtransmission	None	TRK 6854			UNKNOWN/NO DATA
9/14/2019 8:33	9/15/2019 14:42	Subtransmission	None	TIE 8014			UNKNOWN/NO DATA
9/17/2019 9:02	9/17/2019 14:54	Subtransmission	None	TRK 2087			UNKNOWN/NO DATA
9/19/2019 4:53	9/21/2019 6:17	Subtransmission	None	TRK 2087			UNKNOWN/NO DATA
9/19/2019 10:58	9/19/2019 19:20	Subtransmission	None	TRK 6919			UNKNOWN/NO DATA
9/20/2019 11:03	9/21/2019 5:00	Subtransmission	Distribution	TIE 4412			UNKNOWN/NO DATA
9/21/2019 20:23	9/22/2019 5:00	Subtransmission	None	TIE 817			UNKNOWN/NO DATA
9/21/2019 19:10	9/22/2019 9:24	Subtransmission	None	TRK 2506			UNKNOWN/NO DATA
9/23/2019 6:52	9/23/2019 23:04	Subtransmission	None	TIE 3205			UNKNOWN/NO DATA
9/23/2019 8:56	9/23/2019 14:29	Subtransmission	None	TIE 3417			UNKNOWN/NO DATA
9/23/2019 8:11	9/23/2019 14:19	Subtransmission	None	TIE 5823			UNKNOWN/NO DATA
9/23/2019 17:57	9/24/2019 5:39	Subtransmission	None	TRK 4301			UNKNOWN/NO DATA
9/24/2019 11:28	9/27/2019 14:35	Subtransmission	None	TRK 2523			UNKNOWN/NO DATA
9/25/2019 11:52	9/25/2019 20:22	Subtransmission	None	TIE 3209			UNKNOWN/NO DATA
9/28/2019 15:58	9/28/2019 20:56	Subtransmission	None	TRK 3124			UNKNOWN/NO DATA
10/1/2019 13:56	10/1/2019 22:41	Subtransmission	None	TIE 3417			UNKNOWN/NO DATA
10/2/2019 12:19	10/2/2019 17:42	Subtransmission	None	TIE 3206			UNKNOWN/NO DATA
10/2/2019 1:09	10/2/2019 2:35	Subtransmission	None	TIE 4605			UNKNOWN/NO DATA
10/2/2019 10:41	10/2/2019 14:53	Subtransmission	None	TRK 2806			UNKNOWN/NO DATA
10/13/2019 21:52	10/14/2019 5:02	Subtransmission	None	TIE 9205			UNKNOWN/NO DATA
10/13/2019 13:55	10/13/2019 15:06	Subtransmission	None	TRK 6919			UNKNOWN/NO DATA
10/17/2019 20:51	10/18/2019 13:52	Subtransmission	None	TRK 4416			UNKNOWN/NO DATA
10/18/2019 8:47	10/21/2019 4:23	Subtransmission	None	TRK 7324			UNKNOWN/NO DATA
10/23/2019 12:44	10/26/2019 6:47	Subtransmission	None	TRK 1248			UNKNOWN/NO DATA
10/29/2019 22:36	10/30/2019 2:22	Subtransmission	None	TRK 2523			UNKNOWN/NO DATA
10/29/2019 17:13	10/29/2019 22:10	Subtransmission	None	TRK 5510			UNKNOWN/NO DATA
11/4/2019 9:44	11/4/2019 13:54	Subtransmission	None	TRK 1276			UNKNOWN/NO DATA

11/4/2019 5:35	11/15/2019 12:04	Subtransmission	None	TRK 3540			UNKNOWN/NO DATA
11/12/2019 7:24	11/12/2019 10:56	Subtransmission	None	TRK 2439			UNKNOWN/NO DATA
11/17/2019 14:45	11/18/2019 14:39	Subtransmission	None	TRK 3540			UNKNOWN/NO DATA
11/23/2019 11:51	11/23/2019 16:26	Subtransmission	None	TIE 5823			UNKNOWN/NO DATA
11/25/2019 13:50	11/25/2019 19:44	Subtransmission	None	TIE 3208			UNKNOWN/NO DATA
11/27/2019 12:42	11/29/2019 1:56	Subtransmission	None	TIE 8033			UNKNOWN/NO DATA
11/27/2019 12:18	11/27/2019 19:26	Subtransmission	None	TRK 2826			UNKNOWN/NO DATA
12/6/2019 16:59	12/7/2019 10:39	Subtransmission	None	TRK 7122			UNKNOWN/NO DATA
12/15/2019 18:51	12/16/2019 14:37	Subtransmission	None	TIE 4523			UNKNOWN/NO DATA
12/16/2019 18:56	12/16/2019 23:27	Subtransmission	None	TIE 9205			UNKNOWN/NO DATA
12/17/2019 13:27	12/17/2019 18:10	Subtransmission	None	TRK 2301			UNKNOWN/NO DATA
12/22/2019 7:57	12/24/2019 18:26	Subtransmission	None	TRK 7122			UNKNOWN/NO DATA
12/25/2019 23:49	12/26/2019 13:17	Subtransmission	None	TRK 6919			UNKNOWN/NO DATA
12/30/2019 0:21	12/30/2019 6:25	Subtransmission	None	TRK 2918			UNKNOWN/NO DATA
1/1/2020 8:43	1/3/2020 7:03	Subtransmission	None	TIE 5823			UNKNOWN/NO DATA
1/1/2020 12:38	1/1/2020 12:46	Subtransmission	Subtransmission	TIE 5823			UNKNOWN/NO DATA
1/1/2020 4:03	1/1/2020 9:32	Subtransmission	None	TRK 4351			UNKNOWN/NO DATA
1/6/2020 11:00	1/8/2020 9:35	Subtransmission	None	TIE 6931			UNKNOWN/NO DATA
1/9/2020 15:42	1/9/2020 21:23	Subtransmission	None	TIE 3402			UNKNOWN/NO DATA
1/10/2020 14:47	1/10/2020 21:50	Subtransmission	None	TRK 1527			UNKNOWN/NO DATA
1/11/2020 12:21	1/11/2020 14:14	Subtransmission	Subtransmission	TIE 4605	627	71039	UNKNOWN/NO DATA
1/11/2020 12:21	1/11/2020 14:14	Subtransmission	Subtransmission	TIE 4605	886	100536	UNKNOWN/NO DATA
1/11/2020 23:19	1/12/2020 21:08	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA
1/12/2020 15:47	1/12/2020 19:48	Subtransmission	None	TRK 5917			UNKNOWN/NO DATA
1/14/2020 5:36	1/14/2020 17:12	Subtransmission	None	TRK 8215			UNKNOWN/NO DATA
1/24/2020 7:15	1/24/2020 13:51	Subtransmission	None	TIE 7733			UNKNOWN/NO DATA
2/7/2020 8:24	2/7/2020 10:37	Subtransmission	None	TRK 1134			UNKNOWN/NO DATA
2/15/2020 9:15	2/15/2020 10:27	Subtransmission	None	TRK 7078			UNKNOWN/NO DATA
2/26/2020 11:25	2/26/2020 14:59	Subtransmission	None	TIE 2901			UNKNOWN/NO DATA
3/2/2020 20:00	3/3/2020 13:08	Subtransmission	None	TRK 2218			UNKNOWN/NO DATA
3/2/2020 16:44	3/2/2020 19:50	Subtransmission	Distribution	TRK 2218			UNKNOWN/NO DATA
3/2/2020 16:58	3/2/2020 22:06	Subtransmission	Distribution	TRK 2218	1	9	UNKNOWN/NO DATA
3/11/2020 9:01	3/11/2020 19:19	Subtransmission	None	TIE 3220			UNKNOWN/NO DATA
3/11/2020 14:16	3/11/2020 16:24	Subtransmission	None	TRK 2218			UNKNOWN/NO DATA
4/1/2020 13:48	4/1/2020 16:04	Subtransmission	None	TRK 3546			UNKNOWN/NO DATA
4/7/2020 23:06	4/8/2020 14:17	Subtransmission	None	TIE 1473			UNKNOWN/NO DATA
4/7/2020 20:56	4/8/2020 0:41	Subtransmission	None	TIE 2812			UNKNOWN/NO DATA
4/7/2020 21:19	4/8/2020 2:56	Subtransmission	None	TIE 8014			UNKNOWN/NO DATA
4/8/2020 9:39	4/8/2020 16:58	Subtransmission	None	TIE 3705			UNKNOWN/NO DATA
4/11/2020 7:13	4/11/2020 10:16	Subtransmission	None	TIE 5823			UNKNOWN/NO DATA
4/14/2020 10:57	4/14/2020 16:56	Subtransmission	None	TIE 3800			UNKNOWN/NO DATA
4/16/2020 14:10	4/16/2020 17:31	Subtransmission	None	TRK 5817			UNKNOWN/NO DATA
4/25/2020 19:43	4/26/2020 12:28	Subtransmission	None	TIE 5823			UNKNOWN/NO DATA
4/26/2020 12:42	4/26/2020 16:34	Subtransmission	None	TIE 2819			UNKNOWN/NO DATA
4/27/2020 7:49	4/27/2020 14:41	Subtransmission	None	TIE 4428			UNKNOWN/NO DATA
4/29/2020 13:17	4/29/2020 20:54	Subtransmission	None	TRK 5404			UNKNOWN/NO DATA
5/10/2020 8:26	5/10/2020 15:34	Subtransmission	None	TIE 3203			UNKNOWN/NO DATA
5/14/2020 1:59	5/14/2020 14:35	Subtransmission	None	TIE 3205			UNKNOWN/NO DATA
5/14/2020 1:58	5/14/2020 7:01	Subtransmission	None	TIE 3212			UNKNOWN/NO DATA
5/14/2020 16:56	5/14/2020 17:45	Subtransmission	None	TIE 3800			UNKNOWN/NO DATA
5/19/2020 0:29	5/19/2020 4:15	Subtransmission	None	TRK 5817			UNKNOWN/NO DATA
5/20/2020 16:28	5/20/2020 21:02	Subtransmission	None	TIE 2901			UNKNOWN/NO DATA
5/27/2020 12:55	5/29/2020 7:58	Subtransmission	None	TRK 2319			UNKNOWN/NO DATA
5/27/2020 8:25	5/29/2020 7:53	Subtransmission	None	TRK 6508			UNKNOWN/NO DATA
6/3/2020 19:34	6/3/2020 23:10	Subtransmission	None	TRK 2319			UNKNOWN/NO DATA
6/3/2020 15:19	6/3/2020 18:12	Subtransmission	None	TRK 446			UNKNOWN/NO DATA
6/3/2020 3:32	6/3/2020 11:10	Subtransmission	None	TRK 7150			UNKNOWN/NO DATA
6/7/2020 8:41	6/8/2020 8:47	Subtransmission	None	TIE 6138			UNKNOWN/NO DATA
6/9/2020 17:48	6/9/2020 19:41	Subtransmission	None	TIE 5513			UNKNOWN/NO DATA
6/10/2020 21:55	6/11/2020 19:35	Subtransmission	None	TIE 5208			UNKNOWN/NO DATA
6/10/2020 14:03	6/10/2020 23:01	Subtransmission	None	TIE 5829			UNKNOWN/NO DATA
6/11/2020 21:06	6/13/2020 11:00	Subtransmission	None	TIE 6931			UNKNOWN/NO DATA
6/18/2020 22:03	6/19/2020 12:41	Subtransmission	None	TIE 4105			UNKNOWN/NO DATA
6/18/2020 8:18	6/18/2020 17:41	Subtransmission	None	TRK 7130			UNKNOWN/NO DATA
6/19/2020 18:38	6/19/2020 23:01	Subtransmission	None	TRK 7130			UNKNOWN/NO DATA
6/20/2020 23:41	6/21/2020 11:32	Subtransmission	None	TIE 4523			UNKNOWN/NO DATA
6/20/2020 6:49	6/20/2020 12:37	Subtransmission	None	TRK 1276			UNKNOWN/NO DATA
6/23/2020 6:38	6/23/2020 17:22	Subtransmission	None	TIE 3208			UNKNOWN/NO DATA
6/23/2020 11:33	6/26/2020 20:03	Subtransmission	None	TIE 3705			UNKNOWN/NO DATA
6/23/2020 11:31	6/23/2020 14:23	Subtransmission	None	TIE 8623			UNKNOWN/NO DATA
6/23/2020 17:56	6/25/2020 15:44	Subtransmission	None	TRK 2918			UNKNOWN/NO DATA
7/1/2020 9:18	7/1/2020 14:17	Subtransmission	None	TIE 8014			UNKNOWN/NO DATA
7/1/2020 12:12	7/1/2020 16:28	Subtransmission	None	TIE 8014			UNKNOWN/NO DATA
7/2/2020 9:59	7/2/2020 15:30	Subtransmission	None	TRK 3107			UNKNOWN/NO DATA
7/3/2020 16:57	7/3/2020 18:25	Subtransmission	None	TIE 8014			UNKNOWN/NO DATA
7/3/2020 19:32	7/3/2020 22:28	Subtransmission	None	TIE 8014			UNKNOWN/NO DATA
7/3/2020 16:54	7/3/2020 18:26	Subtransmission	None	TIE 8014			UNKNOWN/NO DATA
7/4/2020 14:58	7/4/2020 19:02	Subtransmission	None	TRK 1229			UNKNOWN/NO DATA
7/4/2020 2:57	7/4/2020 22:36	Subtransmission	None	TRK 315			UNKNOWN/NO DATA
7/7/2020 16:50	7/8/2020 5:18	Subtransmission	None	TIE 3212			UNKNOWN/NO DATA
7/8/2020 14:29	7/8/2020 18:50	Subtransmission	None	TRK 6828			UNKNOWN/NO DATA
7/10/2020 13:14	7/12/2020 17:28	Subtransmission	None	TIE 3206			UNKNOWN/NO DATA
7/11/2020 17:37	7/16/2020 19:52	Subtransmission	None	TRK 5127			UNKNOWN/NO DATA
7/13/2020 18:54	7/14/2020 4:10	Subtransmission	None	TIE 7702			UNKNOWN/NO DATA
7/14/2020 20:56	7/14/2020 22:07	Subtransmission	None	TRK 2218			UNKNOWN/NO DATA
7/14/2020 7:41	7/16/2020 22:30	Subtransmission	None	TRK 4405			UNKNOWN/NO DATA
7/16/2020 11:40	7/17/2020 15:28	Subtransmission	None	TRK 7114			UNKNOWN/NO DATA
7/17/2020 13:37	7/17/2020 20:04	Subtransmission	None	TIE 2621			UNKNOWN/NO DATA
7/17/2020 9:50	7/18/2020 6:36	Subtransmission	None	TRK 2010			UNKNOWN/NO DATA
7/18/2020 17:23	7/19/2020 9:37	Subtransmission	None	TIE 3209			UNKNOWN/NO DATA
7/19/2020 16:49	7/21/2020 17:57	Subtransmission	None	TIE 2025			UNKNOWN/NO DATA
7/20/2020 0:07	7/20/2020 14:40	Subtransmission	None	TRK 6938			UNKNOWN/NO DATA
7/21/2020 12:15	7/21/2020 12:45	Subtransmission	Distribution	TRK 2027	2379	367572	UNKNOWN/NO DATA
7/25/2020 12:03	7/28/2020 12:29	Subtransmission	None	TIE 4708			UNKNOWN/NO DATA
7/29/2020 17:29	7/31/2020 5:56	Subtransmission	None	TRK 1346			UNKNOWN/NO DATA
7/29/2020 20:23	7/29/2020 23:03	Subtransmission	None	TRK 7150			UNKNOWN/NO DATA
7/31/2020 5:33	7/31/2020 10:07	Subtransmission	None	TRK 1303			UNKNOWN/NO DATA
8/2/2020 6:45	8/2/2020 12:38	Subtransmission	None	TRK 824			UNKNOWN/NO DATA
8/2/2020 2:03	8/2/2020 12:08	Subtransmission	None	TRK 824			UNKNOWN/NO DATA
8/3/2020 19:00	8/3/2020 20:00	Subtransmission	Distribution	TRK 1303	17	307	UNKNOWN/NO DATA
8/5/2020 9:11	8/7/2020 5:25	Subtransmission	None	TRK 3124			UNKNOWN/NO DATA
8/21/2020 12:05	8/22/2020 6:01	Subtransmission	None	TRK 4405			UNKNOWN/NO DATA
8/23/2020 17:51	8/25/2020 12:13	Subtransmission	None	TIE 8804			UNKNOWN/NO DATA
8/26/2020 6:57	8/26/2020 14:37	Subtransmission	None	TIE 3241			UNKNOWN/NO DATA
8/26/2020 11:05	8/27/2020 13:58	Subtransmission	None	TIE 5823			UNKNOWN/NO DATA

8/26/2020 11:02	8/27/2020 15:51	Subtransmission	None	TIE 5823			UNKNOWN/NO DATA
8/26/2020 11:03	8/27/2020 14:37	Subtransmission	None	TIE 5823			UNKNOWN/NO DATA
8/26/2020 9:02	8/26/2020 14:18	Subtransmission	None	TRK 6741			UNKNOWN/NO DATA
8/28/2020 14:45	8/28/2020 17:33	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA
8/29/2020 17:14	8/30/2020 9:47	Subtransmission	None	TIE 2819			UNKNOWN/NO DATA
9/3/2020 13:39	9/3/2020 22:49	Subtransmission	None	TIE 3209			UNKNOWN/NO DATA
9/4/2020 14:29	9/4/2020 20:07	Subtransmission	None	TIE 4105			UNKNOWN/NO DATA
9/8/2020 10:50	9/8/2020 16:42	Subtransmission	None	TRK 2032			UNKNOWN/NO DATA
9/9/2020 4:23	9/9/2020 11:57	Subtransmission	None	TIE 7520			UNKNOWN/NO DATA
9/11/2020 9:47	9/12/2020 6:55	Subtransmission	None	TRK 4405			UNKNOWN/NO DATA
9/14/2020 15:45	9/14/2020 20:18	Subtransmission	None	TRK 5817			UNKNOWN/NO DATA
9/18/2020 13:49	9/19/2020 14:05	Subtransmission	None	TIE 2819			UNKNOWN/NO DATA
9/23/2020 17:12	9/23/2020 20:26	Subtransmission	None	TRK 2027			UNKNOWN/NO DATA
9/29/2020 22:17	9/30/2020 10:37	Subtransmission	None	TIE 3416			UNKNOWN/NO DATA
10/1/2020 10:02	10/1/2020 15:39	Subtransmission	None	TRK 2016			UNKNOWN/NO DATA
10/1/2020 13:43	10/1/2020 20:45	Subtransmission	None	TRK 7150			UNKNOWN/NO DATA
10/2/2020 16:39	10/2/2020 18:48	Subtransmission	None	TRK 2418			UNKNOWN/NO DATA
10/3/2020 16:19	10/3/2020 21:22	Subtransmission	None	TRK 4351			UNKNOWN/NO DATA
10/7/2020 12:36	10/7/2020 20:18	Subtransmission	Distribution	TIE 1473	1	24	UNKNOWN/NO DATA
10/9/2020 9:50	10/9/2020 11:53	Subtransmission	None	TRK 7122			UNKNOWN/NO DATA
10/12/2020 14:12	10/12/2020 17:27	Subtransmission	None	TRK 3646			UNKNOWN/NO DATA
10/14/2020 19:33	10/15/2020 13:51	Subtransmission	None	TRK 5411			UNKNOWN/NO DATA
10/18/2020 4:40	10/18/2020 11:40	Subtransmission	None	TIE 3417			UNKNOWN/NO DATA
10/19/2020 17:08	10/19/2020 19:58	Subtransmission	None	TRK 1527			UNKNOWN/NO DATA
10/22/2020 15:29	10/22/2020 16:28	Subtransmission	None	TRK 2719			UNKNOWN/NO DATA
10/22/2020 3:56	10/22/2020 7:21	Subtransmission	None	TRK 5239			UNKNOWN/NO DATA
10/23/2020 15:33	10/24/2020 19:42	Subtransmission	None	TIE 3208			UNKNOWN/NO DATA
10/23/2020 15:52	10/24/2020 5:45	Subtransmission	None	TIE 4104			UNKNOWN/NO DATA
10/25/2020 15:04	10/25/2020 18:00	Subtransmission	Distribution	TRK 2038			UNKNOWN/NO DATA
10/26/2020 14:11	10/26/2020 19:25	Subtransmission	None	TRK 5127			UNKNOWN/NO DATA
11/3/2020 12:14	11/15/2020 6:53	Subtransmission	None	TRK 1248			UNKNOWN/NO DATA
11/7/2020 10:57	11/7/2020 11:54	Subtransmission	None	TRK 5510			UNKNOWN/NO DATA
11/12/2020 12:39	11/12/2020 20:04	Subtransmission	None	TIE 3208			UNKNOWN/NO DATA
11/15/2020 18:10	11/18/2020 16:15	Subtransmission	None	TIE 3208			UNKNOWN/NO DATA
11/15/2020 16:09	11/21/2020 13:27	Subtransmission	None	TRK 2918			UNKNOWN/NO DATA
11/16/2020 9:20	11/16/2020 12:12	Subtransmission	None	TRK 2719			UNKNOWN/NO DATA
11/16/2020 12:13	11/25/2020 17:47	Subtransmission	None	TRK 7150			UNKNOWN/NO DATA
11/17/2020 12:30	11/18/2020 10:47	Subtransmission	None	TRK 3632			UNKNOWN/NO DATA
11/18/2020 18:59	11/18/2020 22:42	Subtransmission	None	TRK 1276			UNKNOWN/NO DATA
11/18/2020 17:03	11/18/2020 19:21	Subtransmission	None	TRK 1276			UNKNOWN/NO DATA
11/18/2020 16:24	11/18/2020 20:29	Subtransmission	None	TRK 3632			UNKNOWN/NO DATA
11/18/2020 8:29	11/18/2020 14:29	Subtransmission	None	TRK 7909			UNKNOWN/NO DATA
11/25/2020 8:03	11/25/2020 16:41	Subtransmission	None	TRK 7150			UNKNOWN/NO DATA
12/3/2020 12:17	12/4/2020 1:12	Subtransmission	None	TIE 7702			UNKNOWN/NO DATA
12/5/2020 8:09	12/5/2020 12:58	Subtransmission	None	TRK 2301			UNKNOWN/NO DATA
12/7/2020 16:57	12/8/2020 15:36	Subtransmission	None	TRK 4316			UNKNOWN/NO DATA
12/7/2020 17:06	12/9/2020 1:15	Subtransmission	None	TRK 4316			UNKNOWN/NO DATA
12/31/2020 17:36	12/31/2020 22:59	Subtransmission	None	TIE 3220			UNKNOWN/NO DATA
1/3/2021 10:42	1/4/2021 1:01	Subtransmission	None	TIE 8033			UNKNOWN/NO DATA
1/6/2021 8:24	1/6/2021 11:25	Subtransmission	None	TRK 620			UNKNOWN/NO DATA
1/17/2021 13:01	1/17/2021 17:25	Subtransmission	None	TIE 2025			UNKNOWN/NO DATA
1/18/2021 0:44	1/18/2021 7:09	Subtransmission	None	TRK 7324			UNKNOWN/NO DATA
1/23/2021 13:59	1/23/2021 16:49	Subtransmission	None	TRK 2506			UNKNOWN/NO DATA
1/26/2021 11:22	1/26/2021 15:12	Subtransmission	None	TRK 1303			UNKNOWN/NO DATA
2/14/2021 9:01	2/14/2021 11:19	Subtransmission	None	TRK 3536			UNKNOWN/NO DATA
2/16/2021 19:58	2/17/2021 0:25	Subtransmission	None	TRK 1346			UNKNOWN/NO DATA
2/21/2021 14:36	2/21/2021 17:54	Subtransmission	None	TRK 7386			UNKNOWN/NO DATA
2/22/2021 7:50	2/23/2021 8:14	Subtransmission	None	TIE 1544			UNKNOWN/NO DATA
3/12/2021 16:39	3/12/2021 21:21	Subtransmission	None	TRK 2032			UNKNOWN/NO DATA
3/17/2021 18:39	3/17/2021 23:25	Subtransmission	None	TRK 2032			UNKNOWN/NO DATA
3/18/2021 13:30	3/18/2021 14:19	Subtransmission	None	TIE 4105			UNKNOWN/NO DATA
3/26/2021 7:56	3/26/2021 20:57	Subtransmission	None	TIE 3323			UNKNOWN/NO DATA
3/28/2021 16:16	3/28/2021 19:26	Subtransmission	None	TIE 4104			UNKNOWN/NO DATA
3/28/2021 17:20	3/29/2021 12:02	Subtransmission	None	TIE 7520			UNKNOWN/NO DATA
3/28/2021 17:37	3/29/2021 12:20	Subtransmission	None	TRK 1251			UNKNOWN/NO DATA
3/28/2021 14:06	3/28/2021 17:53	Subtransmission	None	TRK 1251			UNKNOWN/NO DATA
3/30/2021 17:04	3/31/2021 16:10	Subtransmission	None	TRK 428			UNKNOWN/NO DATA
4/5/2021 11:56	4/5/2021 16:07	Subtransmission	None	TIE 4911			UNKNOWN/NO DATA
4/7/2021 17:24	4/7/2021 23:49	Subtransmission	None	TRK 7324			UNKNOWN/NO DATA
4/9/2021 11:56	4/9/2021 16:55	Subtransmission	None	TRK 6125			UNKNOWN/NO DATA
4/10/2021 11:50	4/10/2021 18:13	Subtransmission	None	TIE 3416			UNKNOWN/NO DATA
4/15/2021 0:03	4/15/2021 11:03	Subtransmission	None	TIE 9107			UNKNOWN/NO DATA
4/16/2021 9:00	4/16/2021 12:41	Subtransmission	None	TRK 1527			UNKNOWN/NO DATA
4/18/2021 6:28	4/19/2021 6:06	Subtransmission	None	TIE 1531			UNKNOWN/NO DATA
4/20/2021 22:48	4/21/2021 14:32	Subtransmission	None	TRK 7106			UNKNOWN/NO DATA
4/25/2021 3:31	4/25/2021 12:10	Subtransmission	None	TRK 4971			UNKNOWN/NO DATA
5/2/2021 1:42	5/2/2021 21:43	Subtransmission	None	TRK 1563			UNKNOWN/NO DATA
5/3/2021 15:41	5/3/2021 20:16	Subtransmission	None	TRK 2319			UNKNOWN/NO DATA
5/3/2021 1:33	5/3/2021 5:25	Subtransmission	None	TRK 467			UNKNOWN/NO DATA
5/4/2021 1:21	5/4/2021 5:30	Subtransmission	None	TIE 7702			UNKNOWN/NO DATA
5/5/2021 17:37	5/6/2021 3:19	Subtransmission	None	TIE 6138			UNKNOWN/NO DATA
5/7/2021 15:50	5/7/2021 20:58	Subtransmission	None	TRK 2305			UNKNOWN/NO DATA
5/8/2021 6:38	5/9/2021 2:01	Subtransmission	None	TIE 1467			UNKNOWN/NO DATA
5/15/2021 12:32	5/15/2021 14:43	Subtransmission	None	TRK 5127			UNKNOWN/NO DATA
5/17/2021 3:00	5/17/2021 7:24	Subtransmission	None	TIE 3417			UNKNOWN/NO DATA
5/19/2021 6:10	5/19/2021 13:28	Subtransmission	None	TIE 1423			UNKNOWN/NO DATA
5/19/2021 13:39	5/19/2021 18:39	Subtransmission	None	TIE 7430			UNKNOWN/NO DATA
5/20/2021 16:17	5/20/2021 20:48	Subtransmission	None	TRK 7122			UNKNOWN/NO DATA
5/21/2021 10:37	5/21/2021 14:20	Subtransmission	None	TRK 5510			UNKNOWN/NO DATA
5/26/2021 21:47	5/27/2021 10:46	Subtransmission	None	TIE 7430			UNKNOWN/NO DATA
5/27/2021 4:21	5/27/2021 15:09	Subtransmission	None	TIE 5829			UNKNOWN/NO DATA
5/28/2021 13:52	5/30/2021 9:00	Subtransmission	None	TRK 1232			UNKNOWN/NO DATA
6/3/2021 16:10	6/3/2021 23:14	Subtransmission	None	TRK 3241			UNKNOWN/NO DATA
6/12/2021 9:09	6/12/2021 17:33	Subtransmission	None	TRK 2010			UNKNOWN/NO DATA
6/13/2021 17:04	6/13/2021 23:19	Subtransmission	None	TIE 1467			UNKNOWN/NO DATA
6/14/2021 3:38	6/14/2021 17:10	Subtransmission	None	TRK 2206			UNKNOWN/NO DATA
6/17/2021 7:49	6/18/2021 15:17	Subtransmission	None	TRK 1276			UNKNOWN/NO DATA
6/18/2021 10:09	6/18/2021 12:41	Subtransmission	None	TRK 2713			UNKNOWN/NO DATA
6/19/2021 6:50	6/19/2021 19:51	Subtransmission	None	TIE 3209			UNKNOWN/NO DATA
6/22/2021 15:25	6/22/2021 20:28	Subtransmission	None	TIE 3208			UNKNOWN/NO DATA
6/22/2021 14:48	6/22/2021 21:35	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA
6/22/2021 14:37	6/22/2021 16:44	Subtransmission	Distribution	TIE 9111	1102	128098	UNKNOWN/NO DATA
6/24/2021 12:03	6/27/2021 20:26	Subtransmission	None	TIE 226			UNKNOWN/NO DATA
6/26/2021 8:16	6/26/2021 20:34	Subtransmission	None	TRK 2107			UNKNOWN/NO DATA
6/27/2021 0:00	6/27/2021 7:47	Subtransmission	None	TIE 7745			UNKNOWN/NO DATA

6/27/2021 9:30	6/28/2021 2:30	Subtransmission	None	TRK 4316			UNKNOWN/NO DATA
6/28/2021 20:13	6/29/2021 12:40	Subtransmission	None	TRK 2002			UNKNOWN/NO DATA
6/29/2021 4:58	6/29/2021 12:07	Subtransmission	None	TRK 2002			UNKNOWN/NO DATA
6/29/2021 5:22	6/29/2021 12:49	Subtransmission	None	TRK 2002			UNKNOWN/NO DATA
6/29/2021 5:01	6/29/2021 14:08	Subtransmission	None	TRK 2002			UNKNOWN/NO DATA
6/29/2021 5:22	6/29/2021 10:55	Subtransmission	None	TRK 2002			UNKNOWN/NO DATA
6/29/2021 5:30	6/30/2021 18:18	Subtransmission	None	TRK 2205			UNKNOWN/NO DATA
6/29/2021 16:26	6/30/2021 20:51	Subtransmission	None	TRK 2205			UNKNOWN/NO DATA
6/29/2021 7:21	6/30/2021 22:09	Subtransmission	None	TRK 2233			UNKNOWN/NO DATA
7/2/2021 12:00	7/6/2021 12:22	Subtransmission	None	TRK 1276			UNKNOWN/NO DATA
7/4/2021 20:22	7/4/2021 23:48	Subtransmission	None	TRK 1232			UNKNOWN/NO DATA
7/4/2021 20:26	7/4/2021 23:52	Subtransmission	None	TRK 1232			UNKNOWN/NO DATA
7/5/2021 5:39	7/5/2021 11:08	Subtransmission	None	TIE 810			UNKNOWN/NO DATA
7/5/2021 10:14	7/5/2021 12:12	Subtransmission	None	TIE 9310			UNKNOWN/NO DATA
7/5/2021 7:53	7/5/2021 16:50	Subtransmission	None	TRK 7035			UNKNOWN/NO DATA
7/6/2021 18:36	7/7/2021 21:20	Subtransmission	None	TRK 1243			UNKNOWN/NO DATA
7/6/2021 17:51	7/6/2021 21:53	Subtransmission	None	TRK 1403			UNKNOWN/NO DATA
7/6/2021 7:33	7/7/2021 20:21	Subtransmission	None	TRK 2205			UNKNOWN/NO DATA
7/6/2021 19:38	7/7/2021 16:25	Subtransmission	None	TRK 4911			UNKNOWN/NO DATA
7/7/2021 15:51	7/12/2021 15:43	Subtransmission	None	TRK 1243			UNKNOWN/NO DATA
7/7/2021 20:16	7/8/2021 2:32	Subtransmission	None	TRK 5938			UNKNOWN/NO DATA
7/8/2021 11:50	7/8/2021 17:34	Subtransmission	None	TIE 4532			UNKNOWN/NO DATA
7/9/2021 7:57	7/9/2021 16:54	Subtransmission	None	TRK 7114			UNKNOWN/NO DATA
7/13/2021 15:06	7/13/2021 18:43	Subtransmission	None	TIE 807			UNKNOWN/NO DATA
7/14/2021 18:50	7/14/2021 21:52	Subtransmission	None	TRK 2218			UNKNOWN/NO DATA
7/17/2021 12:54	7/19/2021 8:36	Subtransmission	None	TIE 2648			UNKNOWN/NO DATA
7/21/2021 10:58	7/22/2021 8:05	Subtransmission	None	TIE 8511			UNKNOWN/NO DATA
7/21/2021 23:54	7/22/2021 8:43	Subtransmission	None	TIE 9107			UNKNOWN/NO DATA
7/21/2021 3:19	7/21/2021 3:39	Subtransmission	None	TRK 5935			UNKNOWN/NO DATA
7/21/2021 6:28	7/21/2021 17:42	Subtransmission	None	TRK 5935			UNKNOWN/NO DATA
7/21/2021 11:02	7/21/2021 15:17	Subtransmission	None	TRK 6919			UNKNOWN/NO DATA
7/22/2021 10:07	7/23/2021 8:43	Subtransmission	Distribution	TIE 8014	777	87445	UNKNOWN/NO DATA
7/22/2021 10:40	7/24/2021 6:41	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA
7/22/2021 9:58	7/22/2021 12:51	Subtransmission	None	TRK 2107			UNKNOWN/NO DATA
7/24/2021 16:22	7/24/2021 20:15	Subtransmission	Distribution	TIE 3208	211	41684	UNKNOWN/NO DATA
7/24/2021 19:55	7/25/2021 20:59	Subtransmission	None	TIE 6138			UNKNOWN/NO DATA
7/24/2021 22:37	7/26/2021 12:51	Subtransmission	None	TRK 2443			UNKNOWN/NO DATA
7/24/2021 16:39	7/24/2021 20:25	Subtransmission	None	TRK 3208			UNKNOWN/NO DATA
7/28/2021 9:43	8/2/2021 2:20	Subtransmission	None	TIE 5829			UNKNOWN/NO DATA
7/28/2021 21:32	7/29/2021 16:25	Subtransmission	None	TIE 810			UNKNOWN/NO DATA
7/29/2021 10:09	8/1/2021 14:55	Subtransmission	None	TRK 1232			UNKNOWN/NO DATA
7/29/2021 19:02	7/30/2021 6:49	Subtransmission	None	TRK 1303			UNKNOWN/NO DATA
7/31/2021 9:08	7/31/2021 13:23	Subtransmission	None	TIE 3402			UNKNOWN/NO DATA
8/1/2021 10:01	8/1/2021 17:57	Subtransmission	None	TIE 3417			UNKNOWN/NO DATA
8/1/2021 14:51	8/1/2021 19:04	Subtransmission	None	TIE 4605			UNKNOWN/NO DATA
8/1/2021 6:35	8/1/2021 9:36	Subtransmission	None	TIE 7504			UNKNOWN/NO DATA
8/1/2021 16:11	8/2/2021 1:15	Subtransmission	None	TRK 1232			UNKNOWN/NO DATA
8/3/2021 22:55	8/4/2021 0:39	Subtransmission	None	TRK 6854			UNKNOWN/NO DATA
8/7/2021 7:31	8/8/2021 0:13	Subtransmission	None	TRK 2032			UNKNOWN/NO DATA
8/7/2021 9:27	8/7/2021 14:19	Subtransmission	None	TRK 2611			UNKNOWN/NO DATA
8/8/2021 6:39	8/8/2021 13:51	Subtransmission	None	TIE 7408			UNKNOWN/NO DATA
8/9/2021 16:43	8/10/2021 20:10	Subtransmission	None	TRK 3518			UNKNOWN/NO DATA
8/11/2021 1:28	8/11/2021 21:02	Subtransmission	None	TIE 3205			UNKNOWN/NO DATA
8/11/2021 1:20	8/11/2021 6:13	Subtransmission	None	TIE 3212			UNKNOWN/NO DATA
8/11/2021 1:30	8/11/2021 12:45	Subtransmission	None	TIE 3416			UNKNOWN/NO DATA
8/11/2021 15:06	8/13/2021 20:19	Subtransmission	None	TIE 4523			UNKNOWN/NO DATA
8/11/2021 22:49	8/12/2021 14:01	Subtransmission	None	TRK 2010			UNKNOWN/NO DATA
8/12/2021 16:16	8/13/2021 19:32	Subtransmission	None	TIE 6621			UNKNOWN/NO DATA
8/12/2021 21:43	8/15/2021 14:25	Subtransmission	None	TRK 2824			UNKNOWN/NO DATA
8/16/2021 14:24	8/21/2021 22:56	Subtransmission	None	TRK 6125			UNKNOWN/NO DATA
8/19/2021 14:01	8/21/2021 23:02	Subtransmission	None	TIE 4109			UNKNOWN/NO DATA
8/23/2021 18:51	8/24/2021 15:26	Subtransmission	None	TRK 3661			UNKNOWN/NO DATA
8/24/2021 22:30	8/25/2021 8:00	Subtransmission	None	TRK 5140			UNKNOWN/NO DATA
8/27/2021 15:07	8/27/2021 20:27	Subtransmission	None	TIE 3323			UNKNOWN/NO DATA
8/27/2021 13:11	8/28/2021 20:01	Subtransmission	None	TRK 1340			UNKNOWN/NO DATA
8/28/2021 5:26	8/28/2021 13:32	Subtransmission	None	TIE 4109			UNKNOWN/NO DATA
8/29/2021 19:45	9/1/2021 9:06	Subtransmission	None	TIE 2812			UNKNOWN/NO DATA
8/29/2021 18:04	8/30/2021 20:21	Subtransmission	None	TIE 3203			UNKNOWN/NO DATA
8/29/2021 18:39	8/30/2021 0:31	Subtransmission	Distribution	TIE 4104	1133	229132	UNKNOWN/NO DATA
8/29/2021 20:31	8/30/2021 3:40	Subtransmission	None	TIE 4104			UNKNOWN/NO DATA
8/29/2021 18:15	8/31/2021 13:12	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA
9/1/2021 8:33	9/2/2021 3:31	Subtransmission	None	TIE 3323			UNKNOWN/NO DATA
9/1/2021 22:19	9/3/2021 12:51	Subtransmission	None	TIE 3417			UNKNOWN/NO DATA
9/2/2021 11:35	9/2/2021 16:36	Subtransmission	None	TRK 6125			UNKNOWN/NO DATA
9/3/2021 20:20	9/4/2021 14:20	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA
9/4/2021 9:22	9/5/2021 20:18	Subtransmission	None	TIE 4523			UNKNOWN/NO DATA
9/7/2021 20:35	9/8/2021 6:00	Subtransmission	None	TIE 1568			UNKNOWN/NO DATA
9/7/2021 18:09	9/10/2021 0:00	Subtransmission	None	TIE 3318			UNKNOWN/NO DATA
9/7/2021 15:25	9/7/2021 22:03	Subtransmission	None	TRK 2918			UNKNOWN/NO DATA
9/7/2021 5:55	9/7/2021 10:23	Subtransmission	None	TRK 4338			UNKNOWN/NO DATA
9/8/2021 8:08	9/8/2021 20:03	Subtransmission	None	TIE 1568			UNKNOWN/NO DATA
9/8/2021 17:45	9/11/2021 8:42	Subtransmission	None	TIE 7621			UNKNOWN/NO DATA
9/10/2021 14:33	9/10/2021 20:40	Subtransmission	None	TRK 7104			UNKNOWN/NO DATA
9/11/2021 12:54	9/11/2021 18:44	Subtransmission	None	TRK 3536			UNKNOWN/NO DATA
9/15/2021 10:55	9/16/2021 11:12	Subtransmission	None	TIE 6931			UNKNOWN/NO DATA
9/17/2021 19:42	9/18/2021 1:58	Subtransmission	None	TRK 2005			UNKNOWN/NO DATA
9/17/2021 19:45	9/18/2021 0:26	Subtransmission	None	TRK 2005			UNKNOWN/NO DATA
9/18/2021 4:09	9/18/2021 6:37	Subtransmission	None	TIE 9205			UNKNOWN/NO DATA
9/20/2021 17:20	9/21/2021 4:21	Subtransmission	None	TIE 7520			UNKNOWN/NO DATA
9/20/2021 19:43	9/21/2021 16:46	Subtransmission	None	TIE 7520			UNKNOWN/NO DATA
9/20/2021 11:49	9/21/2021 0:34	Subtransmission	None	TRK 5127			UNKNOWN/NO DATA
9/23/2021 16:11	9/24/2021 17:38	Subtransmission	None	TIE 3323			UNKNOWN/NO DATA
9/23/2021 19:30	9/24/2021 0:05	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA
9/24/2021 12:25	9/24/2021 18:37	Subtransmission	None	TRK 2233			UNKNOWN/NO DATA
10/9/2021 15:03	10/10/2021 13:16	Subtransmission	None	TRK 2032			UNKNOWN/NO DATA
10/20/2021 1:14	10/20/2021 5:19	Subtransmission	None	TRK 3650			UNKNOWN/NO DATA
10/20/2021 8:40	10/20/2021 10:15	Subtransmission	None	TRK 5145			UNKNOWN/NO DATA
10/20/2021 10:24	10/21/2021 7:06	Subtransmission	None	TRK 5145			UNKNOWN/NO DATA
10/23/2021 9:27	10/23/2021 14:27	Subtransmission	None	TRK 6125			UNKNOWN/NO DATA
10/30/2021 12:00	10/30/2021 17:56	Subtransmission	None	TIE 3822			UNKNOWN/NO DATA
11/4/2021 15:59	11/4/2021 19:32	Subtransmission	None	TIE 1568			UNKNOWN/NO DATA
11/5/2021 20:59	11/6/2021 3:12	Subtransmission	Distribution	TRK 117	1	84	UNKNOWN/NO DATA
11/11/2021 19:04	11/11/2021 21:13	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA
11/11/2021 18:58	11/14/2021 10:09	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA
11/11/2021 18:58	11/12/2021 2:11	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA

11/11/2021 19:00	11/12/2021 3:40	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA
11/11/2021 18:54	11/12/2021 1:43	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA
11/13/2021 6:02	11/13/2021 13:00	Subtransmission	Distribution	TRK 2918	1	418	UNKNOWN/NO DATA
11/14/2021 17:52	11/14/2021 20:15	Subtransmission	None	TRK 4227			UNKNOWN/NO DATA
11/15/2021 23:55	11/16/2021 3:32	Subtransmission	None	TRK 1243			UNKNOWN/NO DATA
11/20/2021 11:47	11/21/2021 15:10	Subtransmission	None	TRK 2035			UNKNOWN/NO DATA
11/21/2021 12:16	11/21/2021 14:10	Subtransmission	None	TRK 1276			UNKNOWN/NO DATA
11/24/2021 17:31	12/27/2021 10:28	Subtransmission	None	TIE 3220			UNKNOWN/NO DATA
11/24/2021 10:57	11/29/2021 6:55	Subtransmission	None	TRK 1303			UNKNOWN/NO DATA
11/24/2021 10:00	11/24/2021 15:41	Subtransmission	None	TRK 6125			UNKNOWN/NO DATA
11/29/2021 9:14	11/29/2021 14:29	Subtransmission	None	TIE 4428			UNKNOWN/NO DATA
12/4/2021 20:28	12/5/2021 3:57	Subtransmission	None	TRK 1276			UNKNOWN/NO DATA
12/10/2021 8:20	12/10/2021 10:27	Subtransmission	None	TRK 3557			UNKNOWN/NO DATA
12/11/2021 13:36	12/13/2021 16:55	Subtransmission	None	TIE 1318			UNKNOWN/NO DATA
12/11/2021 21:31	12/13/2021 19:58	Subtransmission	None	TIE 2812			UNKNOWN/NO DATA
12/11/2021 15:25	12/13/2021 17:20	Subtransmission	None	TIE 7702			UNKNOWN/NO DATA
12/11/2021 12:50	12/12/2021 15:11	Subtransmission	Distribution	TIE 9111	1	1635	UNKNOWN/NO DATA
12/11/2021 11:37	12/12/2021 19:52	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA
12/11/2021 10:43	12/11/2021 11:00	Subtransmission	Subtransmission	TIE 9111	255	3388	UNKNOWN/NO DATA
12/12/2021 8:09	12/14/2021 9:21	Subtransmission	None	TIE 9111			UNKNOWN/NO DATA
12/16/2021 11:36	12/16/2021 18:02	Subtransmission	None	TIE 3205			UNKNOWN/NO DATA
12/25/2021 1:24	12/25/2021 15:24	Subtransmission	None	TRK 1502			UNKNOWN/NO DATA
12/27/2021 6:55	12/30/2021 18:14	Subtransmission	None	TIE 1467			UNKNOWN/NO DATA
12/28/2021 13:05	12/29/2021 15:47	Subtransmission	None	TIE 7702			UNKNOWN/NO DATA
12/30/2021 12:16	12/30/2021 18:13	Subtransmission	None	TIE 7745			UNKNOWN/NO DATA
4/29/2022 15:42	4/30/2022 19:50	Subtransmission	None	TRK 5404			UNKNOWN/NO DATA
5/20/2022 2:10	5/21/2022 4:10	Subtransmission	None	TRK 7913			UNKNOWN/NO DATA
5/26/2022 14:42	5/26/2022 20:06	Subtransmission	None	TRK 2611			UNKNOWN/NO DATA
5/31/2022 20:03	6/1/2022 4:16	Subtransmission	None	TRK 7122			UNKNOWN/NO DATA
6/7/2022 1:52	6/8/2022 10:27	Subtransmission	None	TRK 4419			UNKNOWN/NO DATA
6/7/2022 23:55	6/8/2022 5:14	Subtransmission	None	TRK 7062			UNKNOWN/NO DATA
6/20/2022 10:47	6/20/2022 20:25	Subtransmission	None	TRK 5510			UNKNOWN/NO DATA
6/27/2022 7:39	7/1/2022 6:40	Subtransmission	None	TRK 2010			UNKNOWN/NO DATA
7/1/2022 7:39	7/1/2022 14:18	Subtransmission	None	TRK 7909			UNKNOWN/NO DATA
7/10/2022 6:38	7/10/2022 17:07	Subtransmission	None	TRK 7909			UNKNOWN/NO DATA
7/17/2022 7:33	7/18/2022 5:40	Subtransmission	None	TRK 6125			UNKNOWN/NO DATA
7/22/2022 16:36	7/23/2022 10:17	Subtransmission	None	TRK 4962			UNKNOWN/NO DATA
7/24/2022 0:26	7/24/2022 9:37	Subtransmission	None	TRK 2016			UNKNOWN/NO DATA
7/28/2022 0:07	7/28/2022 5:33	Subtransmission	None	TRK 7062			UNKNOWN/NO DATA
7/30/2022 3:49	7/30/2022 14:53	Subtransmission	None	TRK 2233			UNKNOWN/NO DATA
7/30/2022 3:48	7/30/2022 17:19	Subtransmission	None	TRK 2233			UNKNOWN/NO DATA
7/31/2022 16:28	8/1/2022 6:14	Subtransmission	None	TRK 7035			UNKNOWN/NO DATA
8/4/2022 23:21	8/6/2022 5:22	Subtransmission	None	TRK 2305			UNKNOWN/NO DATA
8/6/2022 23:06	8/7/2022 18:26	Subtransmission	None	TRK 7106			UNKNOWN/NO DATA
8/10/2022 17:31	8/10/2022 21:59	Subtransmission	None	TRK 346			UNKNOWN/NO DATA
8/16/2022 7:40	8/16/2022 11:40	Subtransmission	None	TRK 6919			UNKNOWN/NO DATA
9/15/2022 12:32	9/15/2022 21:08	Subtransmission	None	TRK 2016			UNKNOWN/NO DATA
10/6/2022 18:14	10/7/2022 12:50	Subtransmission	None	TRK 5838			UNKNOWN/NO DATA
10/10/2022 13:17	10/10/2022 16:55	Subtransmission	None	TRK 5510			UNKNOWN/NO DATA
4/6/2023 14:34	4/6/2023 15:00	Subtransmission	Circuit Level	TRK 2611			UNKNOWN/NO DATA
4/6/2023 14:34	4/6/2023 15:01	Subtransmission	Circuit Level	TRK 2611			UNKNOWN/NO DATA
2/18/2022 11:16	2/18/2022 11:51	Subtransmission	None	TRK 8407			WIND
3/23/2022 17:59	3/24/2022 15:31	Subtransmission	None	TIE 9303			WIND
3/31/2022 13:43	4/2/2022 5:11	Subtransmission	None	TRK 7913			WIND
4/14/2022 15:54	4/14/2022 22:34	Subtransmission	None	TIE 6621			WIND
4/15/2022 17:18	4/23/2022 9:59	Subtransmission	None	TIE 6147			WIND
5/8/2022 4:29	5/9/2022 4:29	Subtransmission	None	TIE 2812			WIND
5/9/2022 13:13	5/10/2022 4:26	Subtransmission	None	TIE 6621			WIND
6/3/2022 15:37	6/3/2022 20:52	Subtransmission	None	TIE 9123			WIND
7/20/2022 15:46	7/23/2022 12:58	Subtransmission	None	TIE 7702			WIND
7/25/2022 19:31	7/26/2022 1:15	Subtransmission	None	TRK 1346			WIND
7/28/2022 17:45	7/29/2022 21:29	Subtransmission	None	TRK 1502			WIND
8/2/2022 10:49	8/2/2022 18:07	Subtransmission	None	TIE1467			WIND
8/3/2022 9:14	8/3/2022 19:41	Subtransmission	None	TRK 1502			WIND
8/9/2022 1:02	8/10/2022 23:08	Subtransmission	None	TRK 1473			WIND
8/30/2022 7:46	8/30/2022 15:59	Subtransmission	None	TIE 810			WIND
9/20/2022 18:28	9/21/2022 20:54	Subtransmission	None	TIE 5513			WIND
10/8/2022 11:42	10/8/2022 16:18	Subtransmission	None	TRK 2943			WIND
10/12/2022 11:41	10/13/2022 21:06	Subtransmission	None	TRK 6125			WIND
10/17/2022 18:57	10/17/2022 23:55	Subtransmission	None	TRK 1232			WIND
11/5/2022 14:05	11/6/2022 20:48	Subtransmission	None	TIE 3206			WIND
11/5/2022 19:12	11/6/2022 20:12	Subtransmission	None	TIE 9211			WIND
12/3/2022 8:10	12/7/2022 7:22	Subtransmission	None	TIE 7430			WIND
12/10/2022 16:29	12/10/2022 19:00	Subtransmission	None	TRK 5855			WIND
12/17/2022 12:31	12/17/2022 15:20	Subtransmission	None	TIE 5823			WIND
12/23/2022 6:23	12/24/2022 15:04	Subtransmission	None	TIE 7430			WIND
12/23/2022 7:03	12/24/2022 22:44	Subtransmission	None	TIE 9211			WIND
1/19/2023 7:49	1/19/2023 17:03	Subtransmission	None	TIE 3800			WIND
2/15/2023 13:52	2/16/2023 16:39	Subtransmission		TIE 3210			WIND
2/15/2023 13:41	2/15/2023 15:31	Subtransmission	Subtransmission	TIE 3410	222	23158	WIND
2/15/2023 11:34	2/15/2023 15:32	Subtransmission	Subtransmission	TIE 810	3	666	WIND
2/22/2023 18:48	2/23/2023 0:57	Subtransmission		TRK 2931			WIND
2/27/2023 15:58	3/3/2023 6:16	Subtransmission		TIE 3416			WIND
3/3/2023 17:57	3/5/2023 2:21	Subtransmission		TRK 5510			WIND
3/4/2023 2:39	3/4/2023 13:08	Subtransmission	Circuit Level	TIE 807	1	846	WIND
7/18/2023 16:24	7/22/2023 6:28	Subtransmission		TRK 1610			WIND
7/28/2023 16:59	7/29/2023 8:31	Subtransmission	Subtransmission	TRK 1340	103	247550	WIND
8/24/2023 23:04	8/25/2023 18:19	Subtransmission		TIE 1473			WIND
8/24/2023 23:20	8/25/2023 16:27	Subtransmission		TIE 3705			WIND
8/25/2023 2:44	8/29/2023 1:15	Subtransmission		TRK 1340			WIND
8/25/2023 3:08	8/29/2023 10:19	Subtransmission		TIE 2621			WIND
8/28/2023 8:23	9/4/2023 18:27	Subtransmission		TIE 1473			WIND
10/14/2023 9:13	10/15/2023 15:39	Subtransmission		TRK 3543			WIND
11/30/2023 11:50	12/3/2023 9:05	Subtransmission		TIE 226			WIND
3/26/2021 4:05	3/26/2021 14:57	Subtransmission	None	TRK 4301			EQUIPMENT FAILURE

Michigan Public Service Commission
DTE Electric Company
Projected Capital Expenditures
Distribution Plant
($000)

Case No.: U-21534
Exhibit: A-12
Schedule: B5.4
Witness: B. L. Hill
M. Elliott Andahazy 3/
S. S. Deol 4/
S. M. Hartwick 5/
R. C. Steudle 6/
Page: 1 of 26

Line No.	(a) Description		(b) Historical 12 mos. ended 12/31/2022	(c) Projected Bridge Period 12 mos. ending 12/31/2023	(d) Projected Bridge Period 12 mos. ending 12/31/2024	(e) Projected Bridge Period 24 mos. ending 12/31/2024	(f) Projected Test Year 12 mos. ending 12/31/2025
			Capital Expenditures				
1	**Base Capital Programs**						
2	Emergent Replacements						
3	Storm	1/	181,326	281,848	244,066	525,914	251,144
4	Non - Storm	1/	263,014	207,192	220,275	427,467	226,663
5	Substation Reactive	1/	40,382	42,217	49,057	91,274	50,480
6	Emergent Replacement Reduction Based on Strategic Spend		-	-	(20,820)	(20,820)	(21,436)
7	Subtotal Emergent Replacements		484,722	531,257	492,578	1,023,836	506,851
8	Customer Connections, Relocations & Other						
9	Connections and New Load	2/	214,093	216,938	206,069	423,006	218,608
10	Relocations	2/	22,776	45,774	52,202	97,977	35,991
11	Electric System Equipment	2/	30,180	33,655	33,300	66,955	34,266
12	NRUC and Improvement Blankets	2/	32,851	19,531	29,611	49,142	30,470
13	General Plant, Tools & Equipment and Miscellaneous	2/	8,103	5,886	9,144	15,031	9,410
14	Public Lighting Department Project	2/	13,440	1,920	-	1,920	-
15	Subtotal Customer Connections, Relocations & Other		321,443	323,703	330,327	654,031	328,745
16	Customer Advances for Construction	2/	(24,969)	(22,786)	(27,111)	(49,897)	(27,897)
17	**Total Base Capital Programs**		**781,196**	**832,175**	**795,794**	**1,627,970**	**807,699**
18	**Strategic Capital Programs**						
19	Infrastructure Resilience and Hardening	3/	418,440	376,177	295,363	671,539	364,706
20	Infrastructure Redesign and Modernization	4/	173,059	259,244	291,496	550,740	227,003
21	Technology and Automation	5/ 6/	123,441	165,605	121,919	287,524	235,571
22	**Subtotal Strategic Capital Programs**		**714,939**	**801,026**	**708,777**	**1,509,803**	**827,280**
23	**Total Capital**		**1,496,136**	**1,633,201**	**1,504,572**	**3,137,772**	**1,634,979**
24	**Regulatory Asset**						
25	Advanced Distribution Management System (ADMS)	7/	**4,679**	**3,594**	**-**	**3,594**	**-**

1/ Exhibit A-12, Schedule B5.4 - page 3
2/ Exhibit A-12, Schedule B5.4 - pages 4-9, lines 30, 50, 63, 77, 87, 88 & 90
3/ Exhibit A-12, Schedule B5.4 - page 13, line 37
4/ Exhibit A-12, Schedule B5.4 - page 16, line111
5/ Exhibit A-12, Schedule B5.4 - page 19, line 55
6/ Tree Trim project sponsored by Company Witness R. Steudle
7/ Regulatory Asset treatment per Case No. U-20162

Michigan Public Service Commission
DTE Electric Company
Projected Capital Expenditures
Distribution Plant
($000)

Case No.: U-21534
Exhibit: A-12
Schedule: B5.4
Witness: B. L. Hill
M. Elliott Andahazy 3/
S. S. Deol 4/
S. M. Hartwick 5/
R. C. Steudle 6/
Page: 2 of 26

Line No.	(a) Description		(b) Historical 12 mos. ended 12/31/2022	(c) Normalization Adjustment 8/	(d) Adjusted Historical Test Period sum (b) thru (c)	(e) Projected Calendar Year 12 mos. ending 12/31/2023	(f) Projected Calendar Year 12 mos. ending 12/31/2024	(g) Projected Calendar Year 12 mos. ending 12/31/2025
				Capital Expenditures				
1	**Base Capital Programs**							
2	Emergent Replacements							
3	Storm	1/	181,326	48,507	229,833	281,848	244,066	251,144
4	Non - Storm	1/	263,014	(55,585)	207,429	207,192	220,275	226,663
5	Substation Reactive	1/	40,382	5,814	46,196	42,217	49,057	50,480
6	Emergent Replacement Reduction Based on Strategic Spend		-	-	-	-	(20,820)	(21,436)
7	Subtotal Emergent Replacements		484,722	(1,263)	483,459	531,257	492,578	506,851
8	Customer Connections, Relocations & Other							
9	Connections and New Load	2/	214,093			216,938	206,069	218,608
10	Relocations	2/	22,776			45,774	52,202	35,991
11	Electric System Equipment	2/	30,180			33,655	33,300	34,266
12	NRUC and Improvement Blankets	2/	32,851			19,531	29,611	30,470
13	General Plant, Tools & Equipment and Miscellaneous	2/	8,103			5,886	9,144	9,410
14	Public Lighting Department Project	2/	13,440			1,920	-	-
15	Subtotal Customer Connections, Relocations & Other		321,443			323,703	330,327	328,745
16	Customer Advances for Construction	2/	(24,969)			(22,786)	(27,111)	(27,897)
17	**Total Base Capital Programs**		**781,196**			**832,175**	**795,794**	**807,699**
18	**Strategic Capital Programs**							
19	Infrastructure Resilience and Hardening	3/	418,440			376,177	295,363	364,706
20	Infrastructure Redesign and Modernization	4/	173,059			259,244	291,496	227,003
21	Technology and Automation	5/ 6/	123,441			165,605	121,919	235,571
22	**Subtotal Strategic Capital Programs**		**714,939**			**801,026**	**708,777**	**827,280**
23	**Total Capital**		**1,496,136**			**1,633,201**	**1,504,572**	**1,634,979**
24	**Regulatory Asset**							
25	Advanced Distribution Management System (ADMS)	7/	**4,679**	**4,679**		**3,594**	**-**	**-**

1/ Exhibit A-12, Schedule B5.4 - page 3
2/ Exhibit A-12, Schedule B5.4 - pages 4-9, lines 30, 50, 63, 77, 87, 88 & 90
3/ Exhibit A-12, Schedule B5.4 - page 13, line 37
4/ Exhibit A-12, Schedule B5.4 - page 16, line111
5/ Exhibit A-12, Schedule B5.4 - page 19, line 55
6/ Tree Trim project sponsored by Company Witness R. Steudle
7/ Regulatory Asset treatment per Case No. U-20162
8/ Normalization Adjustment:

	Amount
Emergent Replacements Exh. B5.4, p.3, Line 24, col. (j)	(1,263)

Michigan Public Service Commission
DTE Electric Company
Projected Capital Expenditures
Distribution Plant - Emergent Replacements
($000)

Case No.: U-21534
Exhibit: A-12
Schedule: B5.4
Witness: B. L. Hill
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Line No.	(a) Description		(b) Historical 12 mos. ended 12/31/2018	(c) Historical 12 mos. ended 12/31/2019	(d) Historical 12 mos. ended 12/31/2020	(e) Historical 12 mos. ended 12/31/2021	(f) Historical 12 mos. ended 12/31/2022	(g) Historical 5-year average 1/	(h) 1/1/2025 - 12/31/2025 Test Year	(i) 1/1/2022 - 12/31/2022 Historical	(j) Emergent Replacements Adjustment (h) - (i)	(k) In Service Year
			Capital Expenditures									
1	**Base Capital Programs**											
2	**Emergent Replacements**											
3	**Storm**		142,108	178,931	150,897	395,286	181,326	209,710				Annual
4	Inflation Adjustment		23,437	25,825	19,731	31,623	-	20,123				
5	Inflation Adjusted Historical Capital		165,545	204,756	170,628	426,909	181,326	229,833	229,833	181,326	48,507	
6	Inflation 1/1/23 -12/31/23	3.20%							7,355	5,802	1,552	
7	Inflation 1/1/24 -12/31/24	2.90%							6,878	5,427	1,452	
8	Inflation 1/1/25 -12/31/25	2.90%							7,078	5,584	1,494	
9	Projected Storm Replacements								251,144	198,139	53,005	
10	**Non-Storm**		159,555	163,112	155,324	209,236	263,014	190,048				Annual
11	Inflation Adjustment		26,315	23,542	20,310	16,739	-	17,381				
12	Inflation Adjusted Historical Capital		185,870	186,654	175,634	225,975	263,014	207,429	207,429	263,014	(55,585)	
13	Inflation 1/1/23 -12/31/23	3.20%							6,638	8,416	(1,779)	
14	Inflation 1/1/24 -12/31/24	2.90%							6,208	7,871	(1,664)	
15	Inflation 1/1/25 -12/31/25	2.90%							6,388	8,100	(1,712)	
16	Projected Non-Storm Replacements								226,663	287,402	(60,739)	
17	**Substation Reactive**		44,275	40,386	38,131	46,008	40,382	41,837				Annual
18	Inflation Adjustment		7,302	5,829	4,986	3,681	-	4,360				
19	Inflation Adjusted Historical Capital		51,577	46,215	43,118	49,689	40,382	46,196	46,196	40,382	5,814	
20	Inflation 1/1/23 -12/31/23	3.20%							1,478	1,292	186	
21	Inflation 1/1/24 -12/31/24	2.90%							1,383	1,209	174	
22	Inflation 1/1/25 -12/31/25	2.90%							1,423	1,244	179	
23	Projected Substation Reactive Replacements								50,480	44,126	6,353	
24	**Total Emergent Replacements Normalization Adjustment (Line 5 + Line 12 + Line 19) Pre-inflation**								**483,459**	**484,722**	**(1,263)**	**2/**
25	Inflation 1/1/23 -12/31/23	3.20%							15,471	15,511	(40)	
26	Inflation 1/1/24 -12/31/24	2.90%							14,469	14,507	(38)	
27	Inflation 1/1/25 -12/31/25	2.90%							14,889	14,927	(39)	
28	Total Projected Emergent Replacements Expense (Line 9 + Line 16 + Line 23)								**528,287**	**529,667**	**(1,381)**	
29	Test Year Emergent Replacement Reduction Based on Strategic Spend								**(21,436)**			**3/**
30	Total Projected Emergent Replacements Expense less Test Year Emergent Reduction based upon Strategic Spend								**506,851**			

1/ Five year average of actual expenditures adjusted for inflation is included in this request
2/ Historical normalization adjustment carried to Base Capital Programs - see Exhibit A-12, B5.4, page 2, line 7, col. (c)
3/ Test Year Emergent Replacement Reduction Based on Strategic Spend carried from Distribution Plant - See Exhibit A-12, B5.4, page 1, line 6, col. (f)

Michigan Public Service Commission
DTE Electric Company
Projected Capital Expenditures
Distribution Plant - Connections, Relocations and Other
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1	**Connections and New Load**					
2	Small Load Growth Projects (Blanket)		18,053	21,661	18,236	19,317
3	Inflation Adjustment		2,361	1,733	-	1,364
4	Inflation Adjusted Historical Capital		20,413	23,394	18,236	20,681
5	Projected Small Load Growth Projects (Blanket)					
5	Customer Connections		89,211	108,810	123,726	107,249
6	Inflation Adjustment		11,665	8,705	-	6,790
7	Inflation Adjusted Historical Capital		100,877	117,515	123,726	114,039
8	Customer Connections CIAC		(14,756)	(15,524)	(17,654)	(15,978)
9	Inflation Adjustment		(1,930)	(1,242)	-	(1,057)
10	Inflation Adjusted Historical Capital		(16,686)	(16,766)	(17,654)	(17,036)
11	Customer Connections (Net of CIAC)		74,455	93,286	106,072	91,271
12	Inflation Adjustment		9,736	7,463	-	5,733
13	Inflation Adjusted Historical Capital		84,191	100,749	106,072	97,004
14	Projected Customer Connections					
15	Projected Customer Connections CIAC					
16	Projected Customer Connections (Net of CIAC)					
17	New Business Projects	1/	29,957	54,361	72,131	52,150
18	Inflation Adjustment		3,917	4,349	-	2,755
19	Inflation Adjusted Historical Capital		33,874	58,710	72,131	54,905
20	New Business Projects CIAC		(4,709)	(9,390)	(5,151)	(6,417)
21	Inflation Adjustment		(616)	(751)	-	(456)
22	Inflation Adjusted Historical Capital		(5,325)	(10,141)	(5,151)	(6,872)
23	New Business Projects (Net of CIAC)		25,248	44,971	66,980	45,733
24	Inflation Adjustment		3,301	3,598	-	2,300
25	Inflation Adjusted Historical Capital		28,549	48,569	66,980	48,033
26	Projected New Business Projects					
27	Projected New Business Projects CIAC					
28	Projected New Business Projects (net of CIAC)					
29	Incremental Infrastructure for EV	2/				
30	**Total Connections and New Load**				**214,093**	
31	**Total Connections and New Load CIAC**				(22,805)	
32	**Total Connections and New Load (Net of CIAC)**				191,288	

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Distribution Plant - Connections, Relocations and Other
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Line No.	(a) Description	(b) Capital Expenditures Projected Calendar Year 12 mos. ending 12/31/2023	(c) Projected Calendar Year 12 mos. ending 12/31/2024	(d) Projected Calendar Year 12 mos. ending 12/31/2025	(e) Bridge Period 24 mos. ending 12/31/2024	(f) Test Year 12 mos. ending 12/31/2025	(g) In Service Year
1	**Connections and New Load**						
2	Small Load Growth Projects (Blanket)						Annual
3	Inflation Adjustment						
4	Inflation Adjusted Historical Capital						
5	Projected Small Load Growth Projects (Blanket)	18,026	21,962	22,599	39,988	22,599	
5	Customer Connections						Annual
6	Inflation Adjustment						
7	Inflation Adjusted Historical Capital						
8	Customer Connections CIAC						
9	Inflation Adjustment						
10	Inflation Adjusted Historical Capital						
11	Customer Connections (Net of CIAC)						
12	Inflation Adjustment						
13	Inflation Adjusted Historical Capital						
14	Projected Customer Connections	123,306	121,101	124,613	244,407	124,613	
15	Projected Customer Connections CIAC	(16,782)	(18,091)	(18,615)	(34,873)	(18,615)	
16	Projected Customer Connections (Net of CIAC)	106,524	103,011	105,998	209,535	105,998	
17	New Business Projects						Annual
18	Inflation Adjustment						
19	Inflation Adjusted Historical Capital						
20	New Business Projects CIAC						
21	Inflation Adjustment						
22	Inflation Adjusted Historical Capital						
23	New Business Projects (Net of CIAC)						
24	Inflation Adjustment						
25	Inflation Adjusted Historical Capital						
26	Projected New Business Projects	75,606	58,305	59,996	133,911	59,996	
27	Projected New Business Projects CIAC	(5,847)	(7,298)	(7,510)	(13,145)	(7,510)	
28	Projected New Business Projects (net of CIAC)	69,759	51,007	52,486	120,766	52,486	
29	Incremental Infrastructure for EV	-	4,700	11,400	4,700	11,400	Annual
30	**Total Connections and New Load**	**216,938**	**206,069**	**218,608**	**423,006**	**218,608**	
31	**Total Connections and New Load CIAC**	(22,629)	(25,388)	(26,125)	(48,017)	(26,125)	
32	**Total Connections and New Load (Net of CIAC)**	194,309	180,680	192,484	374,989	192,484	

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Line No.	(a) Description	(b)	(c) Historical 12 mos. ended 12/31/2020	(d) Historical 12 mos. ended 12/31/2021	(e) Historical 12 mos. ended 12/31/2022	(f) Historical 3-year average
33	**Relocations**					
34	Small Relocations Projects (Blanket)		14,943	7,018	8,439	10,133
35	Inflation Adjustment		1,954	561	-	838
36	Inflation Adjusted Historical Capital		16,897	7,579	8,439	10,972
34	Projected Small Relocation Projects (Blanket)					
35	Major Infrastructure Relocation Project					
36	Gordie Howe International Bridge				235	
37	I-375 Relocations				-	
38	Relocation Projects (excl. Major Infrastructure Projects)	1/	10,059	17,089	14,103	13,750
39	Inflation Adjustment		1,315	1,367	-	894
40	Inflation Adjusted Historical Capital		11,374	18,456	14,103	14,644
41	Relocation Projects CIAC		(1,930)	(483)	(2,163)	(1,525)
42	Inflation Adjustment		(252)	(39)	-	(97)
43	Inflation Adjusted Historical Capital		(2,182)	(521)	(2,163)	(1,622)
44	Relocation Projects (Net of CIAC)		8,129	16,606	11,939	12,225
45	Inflation Adjustment		1,063	1,328	-	797
46	Inflation Adjusted Historical Capital		9,192	17,934	11,939	13,022
47	Relocation Projects (excl. Major Infrastructure Projects)	3/				
48	Relocation Projects CIAC					
49	Subtotal Relocation Projects (Net of CIAC)					
50	**Total Relocations**				**22,776**	
51	**Total Relocations CIAC**				(2,163)	
52	**Total Relocations (Net of CIAC)**				20,613	
53	**Electric System Equipment**					
54	Distribution Transformers & Regulators	4/			9,027	
55	Major Equipment		21,435	13,594	5,552	13,527
56	Inflation Adjustment		2,803	1,088	-	1,297
57	Inflation Adjusted Historical Capital		24,238	14,682	5,552	14,824
58	Meters		16,891	13,800	15,601	15,431
59	Inflation Adjustment		2,209	1,104	-	1,104
60	Inflation Adjusted Historical Capital		19,100	14,905	15,601	16,535
61	Projected Major Equipment					
62	Projected Meters					
63	**Total Electric System Equipment**				**30,180**	

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Line No.	(a) Description	(b) Capital Expenditures Projected Calendar Year 12 mos. ending 12/31/2023	(c) Projected Calendar Year 12 mos. ending 12/31/2024	(d) Projected Calendar Year 12 mos. ending 12/31/2025	(e) Bridge Period 24 mos. ending 12/31/2024	(f) Test Year 12 mos. ending 12/31/2025	(g) In Service Year
33	**Relocations**						
34	Small Relocations Projects (Blanket)						Annual
35	Inflation Adjustment						
36	Inflation Adjusted Historical Capital						
34	Projected Small Relocation Projects (Blanket)	7,787	11,651	11,989	19,438	11,989	
35	Major Infrastructure Relocation Project						
36	Gordie Howe International Bridge	-	-	-	-	-	2022
37	I-375 Relocations	5,938	25,000	8,000	30,938	8,000	2025
38	Relocation Projects (excl. Major Infrastructure Projects)						Annual
39	Inflation Adjustment						
40	Inflation Adjusted Historical Capital						
41	Relocation Projects CIAC						
42	Inflation Adjustment						
43	Inflation Adjusted Historical Capital						
44	Relocation Projects (Net of CIAC)						
45	Inflation Adjustment						
46	Inflation Adjusted Historical Capital						
47	Relocation Projects (excl. Major Infrastructure Projects)	32,050	15,551	16,002	47,601	16,002	
48	Relocation Projects CIAC	(157)	(1,723)	(1,773)	(1,879)	(1,773)	
49	Subtotal Relocation Projects (Net of CIAC)	31,893	13,828	14,229	45,722	14,229	
50	**Total Relocations**	**45,774**	**52,202**	**35,991**	**97,977**	**35,991**	
51	**Total Relocations CIAC**	(157)	(1,723)	(1,773)	(1,879)	(1,773)	
52	**Total Relocations (Net of CIAC)**	45,618	50,480	34,219	96,097	34,219	
53	**Electric System Equipment**						
54	Distribution Transformers & Regulators	5,586	-	-	5,586	-	Annual
55	Major Equipment						Annual
56	Inflation Adjustment						
57	Inflation Adjusted Historical Capital						
58	Meters						Annual
59	Inflation Adjustment						
60	Inflation Adjusted Historical Capital						
61	Projected Major Equipment	12,748	15,742	16,198	28,489	16,198	
62	Projected Meters	15,321	17,559	18,068	32,880	18,068	
63	**Total Electric System Equipment**	**33,655**	**33,300**	**34,266**	**66,955**	**34,266**	

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Line No.	(a) Description	(b)	(c) Historical 12 mos. ended 12/31/2020	(d) Historical 12 mos. ended 12/31/2021	(e) Historical 12 mos. ended 12/31/2022	(f) Historical 3-year average
64	**NRUC and Improvement Blankets**	5/				
65	System Improvements		12,117	9,715	22,289	14,707
66	Inflation Adjustment		1,584	777	-	787
67	Inflation Adjusted Historical Capital		13,702	10,493	22,289	15,495
68	Normal Retirement Unit Changeouts (NRUC)		7,398	5,702	4,981	6,027
69	Inflation Adjustment		967	456	-	475
70	Inflation Adjusted Historical Capital		8,366	6,158	4,981	6,501
71	Operational Technologies		5,401	5,535	5,581	5,506
72	Inflation Adjustment		706	443	-	383
73	Inflation Adjusted Historical Capital		6,108	5,978	5,581	5,889
74	Projected System Improvements					
75	Projected Normal Retirement Unit Changeouts (NRUC)					
76	Projected Operational Technologies					
77	**Total NRUC and Improvement Blankets**				**32,851**	
78	**General Plant, Tools & Equipment and Miscellaneous**					
79	Substation Physical Security		562	1,753	655	990
80	Inflation Adjustment		74	140	-	71
81	Inflation Adjusted Historical Capital		636	1,893	655	1,061
82	General Plant, Tools & Equipment and Miscellaneous		8,007	5,692	7,448	7,049
83	Inflation Adjustment		1,047	455	-	501
84	Inflation Adjusted Historical Capital		9,054	6,148	7,448	7,550
85	Projected Substation Physical Security					
86	Projected General Plant, Tools & Equipment and Miscellaneous					
87	**Total General Plant, Tools & Equipment and Miscellaneous**				**8,103**	
88	**Public Lighting Department Project**				13,440	
89	**Total Customer Connections, Relocations & Other**				321,443	
90	**Total Cust Connections, Relocations & Other CIAC**				(24,969)	
91	**Total Cust Connections, Relocations & Other Net of CIAC**				296,474	

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Distribution Plant - Connections, Relocations and Other
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Line No.	(a) Description	(b) Capital Expenditures Projected Calendar Year 12 mos. ending 12/31/2023	(c) Projected Calendar Year 12 mos. ending 12/31/2024	(d) Projected Calendar Year 12 mos. ending 12/31/2025	#	(e) Bridge Period 24 mos. ending 12/31/2024	(f) Test Year 12 mos. ending 12/31/2025	(g) In Service Year
64	**NRUC and Improvement Blankets**							
65	System Improvements							Annual
66	Inflation Adjustment							
67	Inflation Adjusted Historical Capital							
68	Normal Retirement Unit Changeouts (NRUC)							Annual
69	Inflation Adjustment							
70	Inflation Adjusted Historical Capital							
71	Operational Technologies							Annual
72	Inflation Adjustment							
73	Inflation Adjusted Historical Capital							
74	Projected System Improvements	7,797	16,454	16,931		24,252	16,931	
75	Projected Normal Retirement Unit Changeouts (NRUC)	4,432	6,904	7,104		11,336	7,104	
76	Projected Operational Technologies	7,301	6,253	6,435		13,554	6,435	
77	**Total NRUC and Improvement Blankets**	**19,531**	**29,611**	**30,470**		**49,142**	**30,470**	
78	**General Plant, Tools & Equipment and Miscellaneous**							
79	Substation Physical Security							Annual
80	Inflation Adjustment							
81	Inflation Adjusted Historical Capital							
82	General Plant, Tools & Equipment and Miscellaneous							Annual
83	Inflation Adjustment							
84	Inflation Adjusted Historical Capital							
85	Projected Substation Physical Security	544	1,127	1,160		1,671	1,160	
86	Projected General Plant, Tools & Equipment and Miscellaneous	5,342	8,017	8,250		13,359	8,250	
87	**Total General Plant, Tools & Equipment and Miscellaneous**	**5,886**	**9,144**	**9,410**		**15,031**	**9,410**	
88	**Public Lighting Department Project**	1,920	-	-		1,920	-	2023
89	**Total Customer Connections, Relocations & Other**	323,703	330,327	328,745		654,031	328,745	
90	**Total Cust Connections, Relocations & Other CIAC**	(22,786)	(27,111)	(27,897)		(49,897)	(27,897)	
91	**Total Cust Connections, Relocations & Other Net of CIAC**	300,918	303,216	300,848		604,134	300,848	

1/ Exhibit A-12, Schedule B5.4 - page 11, line 84
2/ Incremental EV Chargers sponsored by Witness P. Bennett
3/ Exhibit A-12, Schedule B5.4 - page 12, line 30
4/ Distribution Transformers & Regulators will be charged to specific projects in 2024 and excluded from historical average
5/ Batteries and Chargers Replacement Program moved to Infrastructure Resilience and Hardening pillar as a standalone program and Animal Mitigation become part of the Frequent Outage Programs (CEMI) per Staff request in U-20836

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Distribution Plant - Prior Year's Projects Witness: B. L. Hill
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Line No.	(a) Description	(b) Historical 12 mos. ended 12/31/2022
1	**Prior Year's New Business Projects:**	
2	Morton (MORTN) Sub - Overhead Circuits (Sheldon/Gilbert/Zacl	12,992
3	MOUNTAIN Skid-Mounted Sub	7,222
4	Nitro Sub - CKT 1 & 2 (south and north of Napier)	4,778
5	Saturn 3rd Transformer	3,715
6	Emerald Business Park (EBP)	3,513
7	New Class I for Verizon Wireless	3,285
8	CORKT Ford Circuits	2,907
9	Undesignated Capital	2,113
10	Globe Substation Engineering - DC8034	2,111
11	KERN Substation Upgrades	2,058
12	WSU Gateway Theatre Complex	1,944
13	GRAYL DC8517 Circuit Load Relief	1,938
14	Ferrous Processing -9100 John Kronk	1,772
15	Henry Ford Macomb Hospital New Class I Substation	1,663
16	Blakes Cider Mill - Armada DC8550	1,630
17	MSV MI LLC, 1721 W Pleasant St., River Rouge, MI	1,579
18	RotoZ Dairy MOS (Convert portion of SNOVR0301)	1,299
19	Port Hope Substation (Sub and OH work)	1,204
20	Padnos	1,165
21	SIGMA (Grayling) Substation OH UG Circuits	1,026
22	Wolverine Packing Facility	992
23	New AKRON Circuit (Wanxiang, Novi Sr Living)	974
24	Ford R&E: Explorer Sub	782
25	NINMI Circuit -MOS	773
26	PHENX DC 9821- Mid Michigan Materials	732
27	Morton Substation	701
28	770 S Adams MOS	641
29	Buhl Building - 535 Griswold Ave	598
30	Verizon- 21009 Lahser New Load MOS	590
31	420 S. Lafayette Relocation	510
32	Kings Point (Gratiot- Macomb) - Property	451
33	Sterling Group- Former JLA - Phase 1 of 3	447
34	Project Panda - 1200 W State Fair Ave, Detroit	434
35	602 E. Washington Overhead Removal	364
36	CATLI MOS 13 Switchgear (S. Glenwood, Pontiac)	299
37	MAS 12200 Oakland Park	263
38	AMAZON - 13751 Hamilton Ave, Highland Park	260
39	GM Pontiac - Tempest Substation Upgrades - Phase I	258
40	TAMRK New Circuit DC8258	223
41	New DC: Whittier Substation	212
42	HUDROE Development	195
43	Kings Point (Gratiot- Macomb) Area Plan - Substation	167
44	Nitro Sub - CKT 3 & 4 (5 mile, Napier & Riidge)	155
45	MOS Ashley Capitol POLRS & LIVON	150
46	Quaker Transformer Upgrade	115

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Line No.	(a) Description	(b) Historical 12 mos. ended 12/31/2022
47	T-Mobile, new circuit OTTWA	98
48	Seaside substation modifications Corteva	84
49	OMEGA - BOYNE load transfer	77
50	Combine International (Lombard Subs)	76
51	Henry West Residential	69
52	Wayne Criminal Justice Center - CJC CUP	56
53	Nitro Substation	55
54	Airport Substation Expansion	54
55	SWANC Substation Expansion	43
56	Northland Apartments A and B	37
57	MOS Blanche Sims Elementary School	36
58	CORKT Substation Conduit	36
59	Port Hope Substation	33
60	ESOC Electric Service	28
61	TAMRK Future Circuit DC #9	24
62	120-kV feed to Great Lakes Water Authority (GLWA)	21
63	CODY 8939 New Residential Load	20
64	Ann Arbor Solar	20
65	Fairgrove Substation -Property	13
66	SIGMA (Grayling) DC 8587 GRAYL Circuit Split	11
67	Hood Substation - Village at Bloomfield	9
68	Airport Substation Expansion - Property	7
69	Ashley Capital Crossroads North	5
70	Reservice Children's Hospital of Michigan (CHOM) From MIDTN	4
71	Eastland Commerce Center MOS	4
72	GENL0072-01 Metamora Substation - Proper	4
73	Alamo Sub Expand - Brose	4
74	Terry Leright Service Planning Request	2
75	North Ashley Relocation	2
76	Book Tower 1265 Washington	2
77	Miscellaneous	1
78	FALCN/CYPRS New Class 'R' 120-13.2kV	1
79	New 6.6 MVAR Cap at Derby (Vassar Acquisitions LLC)	1
80	CATLI Substation Upgrade (CATLI, Gleenwod, Rubicon)	0
81	Valeo (CORTL)	0
82	1400 E 10 Mile Rd, Hazel Park - 10 MVA Sub Ashley (Eclipse)	0
83	American Axle PL9178	(4)
84	**Total Prior Year's New Business Projects**	**72,131**

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Line No.	(a) Description	(b) Historical 12 mos. ended 12/31/2022
1	**Prior Year's Relocation Projects:**	
2	Mound Road Relocation- Phase 2	3,460
3	Mound Road Relocation- Phase 1	2,417
4	New Boston Township Relocation	2,274
5	I-94 Cass Bridge Relocation (MDOT)	2,270
6	I-75 Conflict 511 (MDOT)	1,448
7	Allen Road Railroad Project	609
8	Trk 2107A-B Relocation	382
9	MH 2598 John Road Relo	357
10	Grand River I-94 Bridge Reconstruction (MDOT)	282
11	TRK 422, 459 Decommission - 428 Relocation, Lynch Subst	262
12	TRK 5906 Relocation Project	120
13	Chase Rd Relocation	100
14	Tie 1473 Reloc for ITC Tower Replacement	24
15	Ford Oakwood Blvd OH to UG Relocation	24
16	I-94 Conner crossing_UG	21
17	Mt. Elliot I-94 Bridge Relocation	21
18	Ecorse Southfield bridge UG Relo	15
19	RELO0075-01 I-94 Holcomb crossing UG	11
20	33 Eliot CCA Midtown Facility Relocation	9
21	Park Rd (SPRUC) Pole Relocation	3
22	Bates & Monroe Alley Relocation	3
23	Tie 810 relocation Palms and Gratiot	2
24	Maple Road Relocation	1
25	Relocate TRK1418	1
26	City of Dearborn/Ford Relocation	1
27	Consumers Energy Pipeline Relocation	0
28	Temple West Alley Reloc	(6)
29	Warren Rd Relocation	(7)
30	**Total Prior Year's Relocation Projects**	**14,103**

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Line No.	(a) Description		(b) Historical 12 mos. ended 12/31/2022	(c) Projected Calendar Year 12 mos. ending 12/31/2023	(d) Projected Calendar Year 12 mos. ending 12/31/2024	(e) Projected Calendar Year 12 mos. ending 12/31/2025	(f) Bridge Period 24 mos. ending 12/31/2024	(g) Test Year 12 mos. ending 12/31/2025	(h) In Service Year
			Capital Expenditures						
1	**Infrastructure Resilience and Hardening**								
2	Mobile Fleet Program		15,234	2,804	5,000	1,500	7,804	1,500	Annual
3	Substation Risk: Drexel		1,898	640	-	-	640	-	2023
4	Substation Risk: Chestnut		64	989	2,725	7,881	3,715	7,881	2025
5	Substation Risk: Savage		577	11	-	-	11	-	2023
6	Substation Risk: Apache		4,653	8,492	3,810	-	12,302	-	2024
7	Substation Risk: Port Huron		184	3	-	-	3	-	2022
8	Substation Risk: Belleville Switchgear Decommission		1,234	1,313	-	-	1,313	-	2023
9	Substation Risk: McGraw		12,699	6,310	37,852	-	44,162	-	2024
10	Substation Risk: Voyager		201	2	-	-	2	-	2023
11	Substation Risk: Flood Defense Program		87	269	5,009	-	5,278	-	2024
12	4.8 kV Hardening		157,482	127,010	80,000	125,000	207,010	125,000	Annual
13	Pole and Pole Top Maintenance and Modernization (PTMM)		83,934	79,075	63,450	121,000	142,525	121,000	Annual
14	Cable Replacement Program		27,746	22,832	15,001	16,501	37,833	16,501	Annual
15	Frequent Outage Program (CEMI)	2/	60,067	63,963	48,050	62,504	112,013	62,504	Annual
16	Breaker Replacement Program		14,415	13,161	-	-	13,161	-	Annual
17	Pontiac Vaults		1,263	657	-	-	657	-	2023
18	URD Replacement Program		7,043	12,417	-	-	12,417	-	Annual
19	URD Replacement Program: Detroit URD 1-1		1,154	285	-	-	285	-	2023
20	40 kV: Automatic Pole Top Switch		4,375	6,358	4,995	4,995	11,353	4,995	Annual
21	Disconnect and Switcher Replacement		4,182	15,457	4,900	4,900	20,357	4,900	Annual
22	Steel Pole Highway Crossings		1,880	1,734	5,000	5,000	6,734	5,000	Annual
23	Station Upgrade: Warren (Relay Replacement)		271	649	-	-	649	-	2022
24	Station Upgrade: Northeast (Relay Replacement)		13,279	3,652	-	-	3,652	-	2023
25	Batteries and Chargers Replacement Program	1/	2,849	3,343	2,500	3,030	5,843	3,030	Annual
26	Substation Risk: Hood		-	249	6,918	978	7,167	978	2025
27	Substation Risk: UNVIL 301 B1 Conversion		-	112	-	-	112	-	2023
28	Portable Generators	3/	-		4,500	-	4,500	-	2024
29	Station Upgrade: Lincoln		-	-	-	330	-	330	2027
30	SCADA Pole Top Device Replacement		764	1,694	1,808	2,038	3,502	2,038	2035
31	Substation Regulator Replacement		685	1,337	816	822	2,153	822	2027
32	Station Upgrade: Navarre		-	-	330	5,300	330	5,300	2026
33	Station Upgrade: 120kV Relays Upgrade for ITC Projects		222	1,359	2,698	2,485	4,056	2,485	2035
34	Substation Risk: Savage Switchgear Replacement		-	-	-	100	-	100	2027
35	Substation Risk: Seville		-	-	-	243	-	243	2027
36	Substation Risk: Imlay		-	-	-	100	-	100	2030
37	**Total Infrastructure Resilience and Hardening Projects and Programs**		**418,440**	**376,177**	**295,363**	**364,706**	**671,539**	**364,706**	

1/ Batteries and Chargers Replacement Program moved to Infrastructure Resilience and Hardening pillar as a standalone program per Staff request in U-20836

2/ Animal Mitigation moved to the Frequent Outage Programs (CEMI) per Staff request in U-20836

3/ Portable Generators sponsored by Company Witness B. L. Hill

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				Capital Expenditures			
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Line No. Description	12 mos. ended 12/31/2022	12 mos. ending 12/31/2023	12 mos. ending 12/31/2024	12 mos. ending 12/31/2025	24 mos. ending 12/31/2024	12 mos. ending 12/31/2025	In Service Year
1 **Infrastructure Redesign and Modernization**							
2 Ann Arbor System Improvements: State Substation	5,996	2,543	-	-	2,543	-	2023
3 Ann Arbor System Improvements: Apex (Blue) Substation	3,484	1,478	-	-	1,478	-	2023
4 Ann Arbor System Improvements: Argo 40kV Reconfiguration	787	334	3,000	9,230	3,334	9,230	2024
5 Subtransmission Redesign & Rebuild: Transformer High Side Protection Program	1,947	2,477	4,745	4,736	7,221	4,736	Annual
6 Subtransmission Redesign & Rebuild: Maxwell Amherst	191	160	-	-	160	-	2022
7 Subtransmission Redesign & Rebuild: Trunk 7106	175	(90)	-	-	(90)	-	2022
8 Subtransmission Redesign & Rebuild: Trunk 2255	2,473	698	-	-	698	-	2023
9 Subtransmission Redesign & Rebuild: Trunk 2237-ST	1,174	207	-	-	207	-	2022
10 Subtransmission Redesign & Rebuild: Trunk 7333	1,300	168	-	-	168	-	2022
11 Subtransmission Redesign & Rebuild: Sandusky Transformer 101 Breaker	-	67	4,070	-	4,137	-	2024
12 Subtransmission Redesign & Rebuild: Boyne	14,072	8,309	3,026	-	11,336	-	2024
13 Subtransmission Redesign & Rebuild: Tie 4105 Phase 1	8,226	1,448	-	-	1,448	-	2023
14 Subtransmission Redesign & Rebuild: Tie 4105 Phase 3	3,262	13,753	2,259	-	16,013	-	2024
15 Subtransmission Redesign & Rebuild: Tie 4105 Phase 4	2,808	-	-	-	-	-	2025
16 Subtransmission Redesign & Rebuild: Tie 1568	64	645	-	-	645	-	2023
17 Subtransmission Redesign & Rebuild: Trunk 4217	331	1,921	2,265	2,360	4,186	2,360	2025
18 Subtransmission Redesign & Rebuild: Trunk 3509	126	2,284	3,653	-	5,937	-	2024
19 Subtransmission Redesign & Rebuild: Trunk 4266	3						2025
20 Subtransmission Redesign & Rebuild: Praxair	-	-	565	2,000	565	2,000	2025
21 Subtransmission Redesign & Rebuild: Small Projects & Reserve	-	4	500	-	504	-	2024
22 Subtransmission Breaker Short Circuit Violations	1,645	2,864	50	-	2,914	-	2024
23 Subtransmission Redesign & Rebuild: Slocum	125	511	-	-	511	-	2023
24 Subtransmission Redesign & Rebuild: 40kV Capacitor Banks at Armada and Adair	2,670	2,717	260	-	2,977	-	2024
25 Subtransmission Redesign & Rebuild: Oak Beach Capacitor	-	-	-	-	-	-	2025
26 TCHPP Switchyard Upgrades	-	2,334	3,309	20	5,642	20	2025
27 Trunk and Tie Lines Hardening Program: Prior Year's	(2)	-	-	-	-	-	2022
28 CODI: Charlotte Network Upgrade	8,319	8,727	10,967	11,884	19,693	11,884	2025
29 CODI: Targeted Network Secondary Cable Replacement	1,987	4,294	3,800	3,800	8,094	3,800	2025
30 CODI: Corktown Substation	1,352	100	-	-	100	-	2023
31 CODI: Islandview Substation - Phase 1	12,255	7,734	7	-	7,741	-	2024
32 CODI: Islandview Substation - Phase 2	3,176	35,847	8,000	12,000	43,847	12,000	2025
33 CODI: Islandview Substation - Phase 3	45						2025
34 CODI: Midtown Substation Expansion	2,283	1,085	459	-	1,544	-	2024
35 CODI: Alfred Substation Expansion	63	3,183	18,235	2,715	21,418	2,715	2025
36 CODI: Howard Conversion	3						2025

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37 4.8 kV CC: Cortland / Oakman / Linwood Consolidation	241	737	2,537	-	3,274	-	2024
38 4.8 kV CC: Ariel Substation and Circuit Conversion	1,070	641	-	-	641	-	2023
39 4.8 kV CC: I-94 Substation and Circuit Conversion (Promenade) - Below Grade	13,401	2,174	-	-	2,174	-	2023
40 4.8 kV CC: I-94 Substation and Circuit Conversion (Promenade) - Above Grade	2,043	4,204	1,311	-	5,515	-	2024
41 4.8 kV CC: Almont Relief and Circuit Conversion (Midas)	13,119	3,944	6,000	1,000	9,944	1,000	2025
42 4.8 kV CC: Buckler Circuit Conversion	8,889	3,882	3,922	-	7,804	-	2024
43 4.8 kV CC: McKinstry Sub Decommission	38	559	3,376	-	3,935	-	2024
44 4.8 kV CC: Quincy Conversion	1,052	1,667	1,692	-	3,360	-	2024
45 4.8 kV CC: Pinegrove Substation Relocation and Conversion	2,531	20,626	51,226	4,594	71,852	4,594	2025
46 4.8 kV CC: Pinegrove Substation Relocation and Conversion CIAC	-	95	(17,000)	(17,000)	(16,905)	(17,000)	2025
47 4.8 kV CC: Hawthorne Relief and Circuit Conversion	403	-	3,373	-	3,373	-	2024
48 4.8 kV CC: Crestwood Substation	25	640	-	-	640	-	2023
49 4.8 kV CC: MAUME 8241 Downtown Clawson Conversion	2,603	25	-	-	25	-	2023
50 4.8 kV CC: Power line Conversion of MADSN 175L-W	107	578	-	-	578	-	2023
51 4.8 kV CC: GRFIN & WMSTN Conversions	136	2,218	6,300	6,128	8,518	6,128	2025
52 4.8kV CC: SCOTN	50	1,174	1,885	-	3,059	-	2024
53 4.8 kV CC: Slater	1,930	4	-	-	4	-	2022
54 4.8 kV CC: Hilton Substation and Circuit Conversion	-	652	-	-	652	-	2023
55 4.8 kV CC: Curtis	-	17	2,174	-	2,191	-	2024
56 4.8 kV CC: Unionville DC 301 B1 Conversion	-	-	2,911	-	2,911	-	2024
57 System Loading: Brest Substation	(2)	-	-	-	-	-	2021
58 System Loading: Carleton	336	187	-	-	187	-	2023
59 System Loading: Grayling	-	-	-	-	-	-	2021
60 System Loading: Prospect	(146)	-	-	-	-	-	2021
61 System Loading: Mandy 307 Load Transfer	1	(82)	-	-	(82)	-	2022
62 System Loading: Mack Transformer 102	32	10	-	-	10	-	2023
63 System Loading: Globe	-	-	200	2,700	200	2,700	2025
64 Pilot: Strategic and Service Undergrounding	462	3,830	15,644	16,019	19,474	16,019	Annual
65 Pilot: Primary Deconductoring	1,846	36	-	-	36	-	2023
66 Subtransmission Redesign & Rebuild: Tie 810	8,832	21,771	13,000	15,920	34,771	15,920	2027
67 Subtransmission Redesign & Rebuild: Tie 7504	93	3,263	500	2,000	3,763	2,000	2029
68 Subtransmission Redesign & Rebuild: Tie 4105 Phase 2	896	-	-	-	-	-	2026
69 Subtransmission Redesign & Rebuild: Tie 4105 Phase 5	322	-	-	-	-	-	2026
70 Subtransmission Redesign & Rebuild: Trunk 2308	53	3,224	970	4,001	4,194	4,001	2028
71 Subtransmission Redesign & Rebuild: Tie 3205	96	791	-	4,000	791	4,000	2028
72 Subtransmission Redesign & Rebuild: Reverse Power Relay Scheme Program	-	-	150	900	150	900	2028
73 Subtransmission Redesign & Rebuild: Tie 4104	134						2028
74 Subtransmission Redesign & Rebuild: Badax Transformer 102 Addition	284	1,677	580	5,882	2,257	5,882	2026
75 Subtransmission Redesign & Rebuild: Trunk 4245	15	703	600	1,700	1,303	1,700	2027
76 Subtransmission Redesign & Rebuild: Trunk 4911	139						2027
77 Subtransmission Redesign & Rebuild: Custer Republic	-	-	-	-	-	-	2027
78 Subtransmission Redesign & Rebuild: Cortland Station Expansion	897	40	101	109	142	109	2026

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					Capital Expenditures			
		Historical	Projected Calendar Year			Bridge Period	Test Year	
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79	CODI: CATO Substation Expansion	290	3,139	14,172	3,841	17,311	3,841	2027
80	CODI: Garfield Radial (Midtown Circuits)	415	2,153	11,633	-	13,787	-	2026
81	CODI: Garfield Network Upgrade	17,430	23,390	17,300	14,200	40,690	14,200	2026
82	CODI: Kent/Gibson Conversion - Phase 1	2,186	8,845	15,107	-	23,951	-	2026
83	4.8 kV CC: Zenon Substation and Circuit Conversion	1						2026
84	4.8 kV CC: Calla Circuit Conversion and Phase 2	65						2026
85	4.8 kV CC: Lapeer - Elba Expansion and Circuit Conversion (Apollo)	2,728	947	3,558	12,000	4,505	12,000	2027
86	4.8 kV CC: Birmingham Decommissioning and Circuit Conversion	2	906	1,333	-	2,239	-	2030
87	4.8 kV CC: ISO Conversion Program	52	6,466	1,700	-	8,166	-	2027
88	4.8 kV CC: Hemlock Decommissioning and Circuit Conversion	-	152	750	1,400	902	1,400	2030
89	4.8 kV CC: White Lake Decommissioning and Circuit Conversion	0						2027
90	8.3 kV CC: Pontiac Overhead Conversion	3,446	9,929	19,177	18,306	29,106	18,306	2028
91	8.3 kV CC: Pontiac Underground Conversion	747	1,197	3,250	3,887	4,446	3,887	2026
92	System Loading: Brown City	(28)	2,485	7,392	6,634	9,877	6,634	2026
93	System Loading: Port Sanilac	15	438	2,389	9,246	2,827	9,246	2028
94	System Loading: Richmond/Armada	3,201	8,417	8,893	6,152	17,310	6,152	2028
95	System Loading: Cody	-	384	1,600	10,000	1,984	10,000	2030
96	System Loading: Otsego/Capac/Shaw	-	151	88	1,617	239	1,617	2027
97	System Loading: Macomb/Golf	-	-	-	126	-	126	2029
98	System Loading: Grenada	225	3,521	6,535	12,000	10,056	12,000	2029
99	System Loading: Lark/Spruce	14	24	1,350	4,045	1,375	4,045	2027
100	System Loading: Jewell	-	1,265	592	364	1,857	364	2029
101	System Loading: Mayville	-	-	-	150	-	150	2029
102	System Loading: Goodison	-	-	-	79	-	79	2028
103	System Loading: Wixom	-	72	2,033	7,000	2,105	7,000	2030
104	System Loading: Diamond	-	-	21	231	21	231	2027
105	System Loading: Spokane/Seneca	-	62	-	4,984	62	4,984	2028
106	System Loading: Sterling	-	-	336	4,727	336	4,727	2028
107	System Loading: Disco	-	75	417	2,372	492	2,372	2026
108	System Loading: Tahoe	-	-	-	100	-	100	2028
109	System Loading: New Baltimore/Chesterfield	-	-	250	2,345	250	2,345	2027
110	System Loading: Kings Point	-	135	1,000	4,500	1,135	4,500	2030
111	**Total Infrastructure Redesign and Modernization Projects and Programs**	**173,059**	**259,244**	**291,496**	**227,003**	**550,740**	**227,003**	
112	**Category Summary**							
113	Ann Arbor System Improvements (Sum lines 2 thru 4)	10,268	4,355	3,000	9,230	7,355	9,230	
114	Subtransmission Redesign and Rebuild (Sum lines 5 thru 27 and 66 thru 78)	52,352	71,946	40,603	43,627	112,549	43,627	
115	Conversions (Sum lines 28 thru 56 and 79 thru 91)	104,483	161,932	199,154	78,755	361,086	78,755	
116	System Loading (Sum lines 57 thru 63 and 92 thru 110)	3,648	17,145	33,095	79,371	50,240	79,371	
117	Pilots (Sum lines 64 thru 65)	2,308	3,866	15,644	16,019	19,510	16,019	
118	**Total Infrastructure Redesign and Modernization Projects and Programs**	**173,059**	**259,244**	**291,496**	**227,003**	**550,740**	**227,003**	

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1 **Technology and Automation**							
2 Distribution Automation	5,506	27,104	21,188	125,625	48,293	125,625	Annual
3 ADMS: DMS/OMS	28,961	9,270	-	-	9,270	-	2023
4 SOC: ESOC	1,250	-	-	-	-	-	2022
5 SOC: ASOC	7,534	20,927	-	-	20,927	-	2024
6 Grid Automation Telecommunications	16,328	21,346	16,900	15,000	38,246	15,000	Annual
7 Distribution Sensing and Monitoring (incldg Line Sensors)	862	6,552	500	1,000	7,052	1,000	Annual
8 CVR/VVO	5,164	1,766	2,500	8,100	4,266	8,100	Annual
9 NWA: O'Shea Energy Storage	1,456	889	54	-	943	-	2024
10 NWA: Battery Trailer	2,051	1,191	2,250	-	3,441	-	2024
11 NWA: Omega Load Relief	4,464	2,454	27	-	2,481	-	2024
12 NWA: Fisher Load Relief	66	180	4,524	-	4,704	-	2024
13 NWA: Port Austin Load Relief	619	3,627	1,486	-	5,113	-	2024
14 NWA: Small Solar and Storage Testbed	335	400	565	500	965	500	2025
15 Sensor, Network and Algorithm Development (Solar Deployment)	218	1,058	200	200	1,258	200	2025
16 Technology Programs & NWA	0	1	-	-	1	-	2023
17 AMI: Meter Communications Upgrades	631	-	-	-	-	-	Annual
18 Customer Power Status Visibility	-	-	15,942	12,029	15,942	12,029	Annual
19 SCADA Remote Access and Configuration Platform	1,164	607	-	-	607	-	2023
20 Substation Reporting and Process Enhancements	-	-	200	-	200	-	2024
21 Asset Management Upgrades	1,711	2,121	-	-	2,121	-	2023
22 Systematic Tracking of Rotatable Assets	-	-	-	600	-	600	2025
23 External Crew Efficiency	-	-	4,407	800	4,407	800	2025
24 Tree Trim Risk Prioritization Model 1/	3,078	3,824	-	-	3,824	-	2024
25 NWA: Veridian	360	1,832	2,646	4,287	4,478	4,287	2026
26 NWA: Adaptive Networked Microgrids	-	17	4,588	25,550	4,606	25,550	2027
27 NWA: Adaptive Networked Microgrids - Project Contributions	-	-	(2,609)	(13,110)	(2,609)	(13,110)	2027
28 NWA: EV Charging Demonstration at ACM	1,292	1,292	920	2,500	2,212	2,500	2028
29 Interconnection Process Enablement	4,776	3,693	1,900	1,700	5,593	1,700	2028
30 Grid Edge Insights & New Technology	2,288	1,819	5,935	4,500	7,754	4,500	2028

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31 DER Control	-	-	290	290	290	290	2028
32 ADMS Enhancements	-	-	7,000	7,000	7,000	7,000	2028
33 Operational Technology and Error Free Communication	5,496	136	5,600	1,400	5,736	1,400	2028
34 Meter Improvements	-	-	1,400	1,400	1,400	1,400	2028
35 FLISR Implementation	-	-	4,412	6,400	4,412	6,400	2028
36 DERMS	-	-	-	1,500	-	1,500	2028
37 Substation Cybersecurity	618	1,339	400	400	1,739	400	2028
38 Automation Configuration and Test Record Database	(115)	-	1,400	3,200	1,400	3,200	2026
39 Microwave End of Life		-	250	200	250	200	2028
40 Other Modernize Grid Management	7,807	26,411	2,200	2,500	28,611	2,500	2028
41 ADMS: Network Management System	2,071	1,998	1,600	2,800	3,598	2,800	2027
42 Load Forecasting & Analytics	2,737	2,841	3,900	4,600	6,741	4,600	2028
43 Hosting Capacity Enablement	108	253	350	300	603	300	2028
44 Power Quality Analysis Program	-	-	400	500	400	500	2028
45 Substation Design Tool Upgrades	552	597	1,250	1,200	1,847	1,200	2028
46 Distribution Planning	932	8,447	1,572	1,600	10,019	1,600	2026
47 Enhance Maximo Capabilities and Processes	-	-	-	500	-	500	2028
48 Primary Service Orders Replatform	-	-	2,000	4,100	2,000	4,100	2026
49 Work Management & Scheduling Upgrades	12,155	6,516	790	1,000	7,306	1,000	2026
50 Mobile tools expansion	-	-	1,100	800	1,100	800	2028
51 Maintain compliance	-	-	200	200	200	200	2028
52 Enhance and expand cybersecurity	-	-	300	800	300	800	2028
53 Mobile Equipment Replacement	-	-	881	2,800	881	2,800	2028
54 Mobile Technology	969	5,095	500	800	5,595	800	2028
55 **Total Technology and Automation Projects and Programs**	**123,441**	**165,605**	**121,919**	**235,571**	**287,524**	**235,571**	

1/ Tree Trim project sponsored by Company Witness R. C. Steudle

Michigan Public Service Commission
DTE Electric Company
Projected Capital Expenditures
Allowance for Funds Used During Construction (AFUDC)
Distribution Operations
($000)

Case No.: U-21534
Exhibit: A-12
Schedule: B5.4
Witness: B. L. Hill 1/
M. Elliott Andahazy 2/
S. S. Deol 3/
S. M. Hartwick 4/
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Line No.	(a) Description		(b) Adjusted Historical 12 mos. ended 12/31/2022	(c) Projected 12 mos. ending 12/31/2025	
1	**Base Capital Programs:**				
2	Gordie Howe International Bridge	**1/**	-	-	
3	Other Routine Base Capital Programs	**1/**	2,344	2,489	**5/**
4	**Subtotal Base Capital Programs**		**2,344**	**2,489**	
5	**Strategic Capital Programs:**				
6	Infrastructure Resilience and Hardening	**2/**	2,893	2,588	**5/**
7	Infrastructure Redesign and Modernization:				
8	Ann Arbor System Improvements	**3/**	600	1,006	
9	Other Infrastructure Redesign	**3/**	4,152	5,701	**5/**
10	Technology and Automation:				
11	SOC Modernization	**4/**	198	-	
12	ADMS Projects	**4/**	2,965	-	
13	Other Technology and Automation	**4/**	711	2,032	**5/**
14	**Subtotal Strategic Capital Programs**		**11,518**	**11,327**	
15	**Total AFUDC - Distribution Operations**		**13,862**	**13,816**	**6/**

1/ Sponsored by Company Witness B. L. Hill: Base Capital Programs
2/ Sponsored by Company Witness M. Elliott Andahazy: Infrastructure Resilience and Hardening
3/ Sponsored by Company Witness S. S. Deol: Infrastructure Redesign and Modernization
4/ Sponsored by Company Witness S. M. Hartwick: Technology and Automation
5/ AFUDC estimates for platform are developed at a high level based on historical trend
6/ The projected AFUDC amounts are based on the authorized U-21297 of 5.561%

Michigan Public Service Commission
DTE Electric Company
Projected Capital Expenditures
Removal Costs, Plant in Service and CWIP
Distribution Plant
($000)

Case: U-21534
Exhibit: A-12
Schedule: B5.4
Witnesses: B. L. Hill 1/, M. Elliott Andahazy 2/, S. S. Deol 3/, S.M. Hartwick 4/, R.C. Steudle 5/
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Line No.	Description		In-Service Assumption	Capital Expenditures (including Removal Costs) 12 mos. ended 12/31/2022	12 mos. ending 12/31/2023	12 mos. ending 12/31/2024	12 mos. ending 12/31/2025	Est. % Removal	Activity Accum. Depr. - Removal Costs 12 mos. ending 12/31/2023 col (d)x(g)	12 mos. ending 12/31/2024 col (e)x(g)	12 mos. ending 12/31/2025 col (f)x(g)	Activity Plant in Service 12 mos. ending 12/31/2023	12 mos. ending 12/31/2024	12 mos. ending 12/31/2025	Activity CWIP - Net Additions/(Unitization) 12 mos. ending 12/31/2023 col (d)-(h)-(k)	12 mos. ending 12/31/2024 col (e)-(i)-(l)	12 mos. ending 12/31/2025 col (f)-(j)-(m)
	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
	Base Capital Programs																
1	Emergent Replacements	**1/**	Annual	484,722	531,257	492,578	506,851	15%	79,689	73,887	76,028	451,569	418,691	430,823	-	-	-
2	Connections & New Load:																
3	Gordie Howe International Bridge	**1/**	Dec-22	235	-	-	-	15%	-	-	-	-	-	-	-	-	-
4	I-375 Relocations	**1/**	Dec-25	-	5,938	25,000	8,000	15%	891	3,750	1,200	-	-	33,097	5,047	21,250	(26,297)
5	Other Connections and New Load	**1/**	Annual	296,239	294,980	278,216	292,848	15%	44,247	41,732	43,927	250,733	236,484	248,921	-	-	-
6	Connections Sub-Total			296,474	300,918	303,216	300,848		45,138	45,482	45,127	250,733	236,484	282,018	5,047	21,250	(26,297)
7																	
8	**Infrastructure Resilience and Hardening**																
9	Mobile Fleet Program	**2/**	Annual	15,234	2,804	5,000	1,500	15%	421	750	225	2,383	4,250	1,275	-	-	-
10	Substation Risk: Drexel	**2/**	Dec-23	1,898	640	-	-	15%	96	-	-	2,158	-	-	(1,614)	-	-
11	Substation Risk: Chestnut	**2/**	Dec-25	64	989	2,725	7,881	15%	148	409	1,182	-	-	9,911	841	2,317	(3,212)
12	Substation Risk: Savage	**2/**	Jun-23	577	11	-	-	15%	2	-	-	500	-	-	(491)	-	-
13	Substation Risk: Apache	**2/**	Dec-24	4,653	8,492	3,810	-	15%	1,274	572	-	-	14,412	-	7,218	(11,173)	-
14	Substation Risk: Port Huron	**2/**	May-22	184	3	-	-	15%	0	-	-	3	-	-	-	-	-
15	Substation Risk: Belleville Switchgear Decomm	**2/**	Dec-23	1,234	1,313	-	-	15%	197	-	-	2,165	-	-	(1,048)	-	-
16	Substation Risk: McGraw	**2/**	Dec-24	12,699	6,310	37,852	-	15%	946	5,678	-	-	48,331	-	5,363	(16,157)	-
17	Substation Risk: Voyager	**2/**	Feb-23	201	2	-	-	15%	0	-	-	172	-	-	(171)	-	-
18	Substation Risk: Flood Defense Program	**2/**	Dec-24	87	269	5,009	-	15%	40	751	-	-	4,560	-	229	(303)	-
19	4.8 kV Hardening	**2/**	Annual	157,482	127,010	80,000	125,000	15%	19,052	12,000	18,750	107,959	68,000	106,250	-	-	-
20	Pole and Pole Top Maintenance and Moderniza	**2/**	Annual	83,934	79,075	63,450	121,000	15%	11,861	9,518	18,150	67,214	53,933	102,850	-	-	-
21	Cable Replacement Program	**2/**	Annual	27,746	22,832	15,001	16,501	15%	3,425	2,250	2,475	19,407	12,751	14,026	-	-	-
22	Frequent Outage Program (CEMI)	**2/**	Annual	60,067	63,963	48,050	62,504	15%	9,595	7,207	9,376	54,369	40,842	53,128	-	-	-
23	Breaker Replacement Program	**2/**	Annual	14,415	13,161	-	-	15%	1,974	-	-	11,187	-	-	-	-	-
24	Pontiac Vaults	**2/**	Dec-23	1,263	657	-	-	15%	99	-	-	1,631	-	-	(1,073)	-	-
25	URD Replacement Program	**2/**	Annual	7,043	12,417	-	-	15%	1,863	-	-	10,554	-	-	-	-	-
26	URD Replacement Program: Detroit URD 1-1	**2/**	Dec-23	1,154	285	-	-	15%	43	-	-	1,224	-	-	(981)	-	-
27	40 kV: Automatic Pole Top Switch	**2/**	Annual	4,375	6,358	4,995	4,995	15%	954	749	749	5,404	4,246	4,246	-	-	-
28	Disconnect and Switcher Replacement	**2/**	Annual	4,182	15,457	4,900	4,900	15%	2,319	735	735	13,139	4,165	4,165	-	-	-
29	SCADA Pole Top Device Replacement	**2/**	Dec-35	764	1,694	1,808	2,038	15%	254	271	306	-	-	-	1,440	1,537	1,733
30	Substation Regulator Replacement	**2/**	Dec-27	685	1,337	816	822	15%	200	122	123	-	-	-	1,136	694	698
31	Steel Pole Highway Crossings	**2/**	Annual	1,880	1,734	5,000	5,000	15%	260	750	750	1,474	4,250	4,250	-	-	-
32	Station Upgrade: Warren (Relay Replacement)	**2/**	Dec-22	271	649	-	-	15%	97	-	-	552	-	-	-	-	-
33	Station Upgrade: Northeast (Relay Replacemer	**2/**	Dec-23	13,279	3,652	-	-	15%	548	-	-	14,391	-	-	(11,287)	-	-

Michigan Public Service Commission
DTE Electric Company
Projected Capital Expenditures
Removal Costs, Plant in Service and CWIP
Distribution Plant
($000)

Case: U-21534
Exhibit: A-12
Schedule: B5.4
Witnesses: B. L. Hill 1/, M. Elliott Andahazy 2/, S. S. Deol 3/, S.M. Hartwick 4/, R.C. Steudle 5/

Line No.	(a) Description		(b) In-Service Assumption	(c)	(d)	(e)	(f)	(g) Est. % Removal	(h)	(i) Activity Accum. Depr. - Removal Costs	(j)	(k)	(l) Activity Plant in Service	(m)	(n)	(o) Activity CWIP - Net Additions/(Unitization)	(p)
				Capital Expenditures (including Removal Costs)													
34	Substation Risk: Hood	2/	Dec-25	-	249	6,918	978	15%	37	1,038	147	-	-	6,923	211	5,881	(6,092)
35	Substation Risk: UNVIL 301 B1 Conversion	2/	Dec-23	-	112	-	-	15%	17	-	-	96	-	-	-	-	-
36	Portable Generators	1/	Dec-24	-	-	4,500	-	15%	-	675	-	-	3,825	-	-	-	-
37	Station Upgrade: Lincoln	2/	Dec-27	-	-	-	330	15%	-	-	50	-	-	-	-	-	281
38	Station Upgrade: Navarre	2/	Dec-26	-	-	330	5,300	15%	-	50	795	-	-	-	-	281	4,505
39	Station Upgrade: 120kV Relays Upgrade for IT(	2/	Dec-35	222	1,359	2,698	2,485	15%	204	405	373	-	-	-	1,155	2,293	2,112
40	Batteries and Chargers Replacement Program	2/	Annual	2,849	3,343	2,500	3,030	15%	501	375	454	2,841	2,125	2,575	-	-	-
41	Substation Risk: Savage Switchgear Replacem	2/	Dec-27	-	-	-	100	15%	-	-	15	-	-	-	-	-	85
42	Substation Risk: Seville	2/	Dec-27	-	-	-	243	15%	-	-	36	-	-	-	-	-	207
43	Substation Risk: Imlay	2/	Dec-30	-	-	-	100	15%	-	-	15	-	-	-	-	-	85
44	Resilience Sub-Total			418,440	376,177	295,363	364,706		56,427	44,304	54,706	318,822	265,690	309,599	928	(14,631)	401
45	**Infrastructure Redesign**																
46	Ann Arbor System Improvements: State Substation	3/	Dec-23	5,996	2,543	-	-	15%	382	-	-	7,259	-	-	(5,097)	-	-
47	Ann Arbor System Improvements: Apex (Blue) Substation	3/	Dec-23	3,484	1,478	-	-	15%	222	-	-	4,218	-	-	(2,962)	-	-
48	Ann Arbor System Improvements: Argo 40kV Reconfiguration	3/	Dec-24	787	334	3,000	9,230	15%	50	450	1,385	-	3,503	7,846	284	(953)	-
49	Subtransmission Redesign & Rebuild: Transformer High Side Protection Program	3/	Annual	1,947	2,477	4,745	4,736	15%	372	712	710	2,105	4,033	4,026	-	-	-
50	Subtransmission Redesign & Rebuild: Maxwell Amherst	3/	Dec-22	191	160	-	-	15%	24	-	-	136	-	-	-	-	-
51	Subtransmission Redesign & Rebuild: Tie 810	3/	Dec-27	8,832	21,771	13,000	15,920	15%	3,266	1,950	2,388	-	-	-	18,505	11,050	13,532
52	Subtransmission Redesign & Rebuild: Trunk 7106	3/	Dec-22	175	(90)	-	-	15%	(14)	-	-	(77)	-	-	-	-	-
53	Subtransmission Redesign & Rebuild: Trunk 2255	3/	Dec-23	2,473	698	-	-	15%	105	-	-	2,695	-	-	(2,102)	-	-
54	Subtransmission Redesign & Rebuild: Trunk 2237-ST	3/	Dec-22	1,174	207	-	-	15%	31	-	-	176	-	-	-	-	-
55	Subtransmission Redesign & Rebuild: Trunk 7333	3/	Dec-22	1,300	168	-	-	15%	25	-	-	142	-	-	-	-	-
56	Subtransmission Redesign & Rebuild: Sandusky Transformer 101 Breaker	3/	Dec-24	-	67	4,070	-	15%	10	610	-	-	3,516	-	57	(57)	-
57	Subtransmission Redesign & Rebuild: Boyne	3/	Dec-24	14,072	8,309	3,026	-	15%	1,246	454	-	-	21,596	-	7,063	(19,024)	-
58	Subtransmission Redesign & Rebuild: Tie 7504	3/	Dec-29	93	3,263	500	2,000	15%	489	75	300	-	-	-	2,773	425	1,700
59	Subtransmission Redesign & Rebuild: Tie 4105 Phase 1	3/	Dec-23	8,226	1,448	-	-	15%	217	-	-	8,223	-	-	(6,992)	-	-
60	Subtransmission Redesign & Rebuild: Tie 4105 Phase 2	3/	Dec-26	896	-	-	-	15%	-	-	-	-	-	-	-	-	-
61	Subtransmission Redesign & Rebuild: Tie 4105 Phase 3	3/	Dec-24	3,262	13,753	2,259	-	15%	2,063	339	-	-	16,383	-	11,690	(14,463)	-
62	Subtransmission Redesign & Rebuild: Tie 4105 Phase 4	3/	Dec-25	2,808	-	-	-	15%	-	-	-	-	-	2,387	-	-	(2,387)
63	Subtransmission Redesign & Rebuild: Tie 4105 Phase 5	3/	Dec-26	322	-	-	-	15%	-	-	-	-	-	-	-	-	-
64	Subtransmission Redesign & Rebuild: Trunk 2308	3/	Dec-28	53	3,224	970	4,001	15%	484	146	600	-	-	-	2,741	825	3,401
65	Subtransmission Redesign & Rebuild: Tie 1568	3/	Dec-23	64	645	-	-	15%	97	-	-	603	-	-	(54)	-	-

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S. S. Deol 3/, S.M. Hartwick 4/, R.C. Steudle 5/
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Line No.	(a) Description		(b) In-Service Assumption	(c)	(d)	(e) Capital Expenditures (including Removal Costs)	(f)	(g) Est. % Removal	(h)	(i) Activity Accum. Depr. - Removal Costs	(j)	(k)	(l) Activity Plant in Service	(m)	(n)	(o) Activity CWIP - Net Additions/(Unitization)	(p)
66	Subtransmission Redesign & Rebuild: Trunk 4217	3/	Dec-25	331	1,921	2,265	2,360	15%	288	340	354	-	-	5,845	1,633	1,925	(3,839)
67	Subtransmission Redesign & Rebuild: Trunk 3509	3/	Dec-24	126	2,284	3,653	-	15%	343	548	-	-	5,153	-	1,941	(2,048)	-
68	Subtransmission Redesign & Rebuild: Trunk 4266	3/	Dec-25	3	-	-	-	15%	-	-	-	-	-	2	-	-	(2)
69	Subtransmission Redesign & Rebuild: Badax Transformer 102 Addition	3/	Dec-26	284	1,677	580	5,882	15%	252	87	882	-	-	-	1,426	493	5,000
70	Subtransmission Redesign & Rebuild: Trunk 4245	3/	Dec-27	15	703	600	1,700	15%	106	90	255	-	-	-	598	510	1,445
71	Subtransmission Redesign & Rebuild: Custer Republic	3/	Dec-27	-	-	-	-	15%	-	-	-	-	-	-	-	-	-
72	Subtransmission Redesign & Rebuild: Tie 3205	3/	Dec-28	96	791	-	4,000	15%	119	-	600	-	-	-	672	-	3,400
73	Subtransmission Redesign & Rebuild: Reverse Power Relay Scheme Program	3/	Dec-28	-	-	150	900	15%	-	23	135	-	-	-	-	128	765
74	Subtransmission Redesign & Rebuild: Tie 4104	3/	Dec-28	134	-	-	-	15%	-	-	-	-	-	-	-	-	-
75	Subtransmission Redesign & Rebuild: Trunk 4911	3/	Dec-27	139	-	-	-	15%	-	-	-	-	-	-	-	-	-
76	Subtransmission Redesign & Rebuild: Praxair	3/	Dec-25	-	-	565	2,000	15%	-	85	300	-	-	2,180	-	480	(480)
77	Subtransmission Redesign & Rebuild: Small Projects & Reserve	3/	Dec-24	-	4	500	-	15%	1	75	-	-	428	-	3	(3)	-
78	Subtransmission Breaker Short Circuit Violations	3/	Dec-24	1,645	2,864	50	-	15%	430	8	-	-	3,875	-	2,434	(3,833)	-
79	Subtransmission Redesign & Rebuild: Slocum	3/	Dec-23	125	511	-	-	15%	77	-	-	541	-	-	(107)	-	-
80	Subtransmission Redesign & Rebuild: Cortland Station Expansion	3/	Dec-26	897	40	101	109	15%	6	15	16	-	-	-	34	86	92
81	Subtransmission Redesign & Rebuild: 40kV Capacitor Banks at Armada and Adair	3/	Dec-24	2,670	2,717	260	-	15%	408	39	-	-	4,800	-	2,309	(4,579)	-
82	Subtransmission Redesign & Rebuild: Oak Beach Capacitor	3/	Dec-25	-	-	-	-	15%	-	-	-	-	-	-	-	-	-
83	TCHPP Switchyard Upgrades	3/	Dec-25	-	2,334	3,309	20	15%	350	496	3	-	-	4,813	1,984	2,812	(4,796)
84	Trunk and Tie Lines Hardening Program: Prior Year's	3/	Dec-22	(2)	-	-	-	15%	-	-	-	-	-	-	-	-	-
85	CODI: Charlotte Network Upgrade	3/	Dec-25	8,319	8,727	10,967	11,884	15%	1,309	1,645	1,783	-	-	33,911	7,418	9,322	(23,810)
86	CODI: Targeted Network Secondary Cable Replacement	3/	Dec-25	1,987	4,294	3,800	3,800	15%	644	570	570	-	-	11,799	3,650	3,230	(8,569)
87	CODI: Corktown Substation	3/	Dec-23	1,352	100	-	-	15%	15	-	-	1,235	-	-	(1,150)	-	-
88	CODI: Islandview Substation - Phase 1	3/	Dec-24	12,255	7,734	7	-	15%	1,160	1	-	-	16,997	-	6,574	(16,991)	-
89	CODI: Islandview Substation - Phase 2	3/	Dec-25	3,176	35,847	8,000	12,000	15%	5,377	1,200	1,800	-	-	50,170	30,470	6,800	(39,970)
90	CODI: Islandview Substation - Phase 3	3/	12/1/2025	45	-	-	-	15%	-	-	-	-	-	-	-	-	-
91	CODI: CATO Substation Expansion	3/	Dec-27	290	3,139	14,172	3,841	15%	471	2,126	576	-	-	-	2,668	12,046	3,265
92	CODI: Garfield Radial (Midtown Circuits)	3/	Dec-26	415	2,153	11,633	-	15%	323	1,745	-	-	-	-	1,830	9,888	-
93	CODI: Midtown Substation Expansion	3/	Dec-24	2,283	1,085	459	-	15%	163	69	-	-	3,253	-	923	(2,863)	-
94	CODI: Alfred Substation Expansion	3/	Dec-25	63	3,183	18,235	2,715	15%	477	2,735	407	-	-	20,566	2,705	15,500	(18,258)
95	CODI: Howard Conversion	3/	12/1/2025	3	-	-	-	15%	-	-	-	-	-	-	-	-	-
96	CODI: Garfield Network Upgrade	3/	Dec-26	17,430	23,390	17,300	14,200	15%	3,508	2,595	2,130	-	-	-	19,881	14,705	12,070
97	CODI: Kent/Gibson Conversion - Phase 1	3/	Dec-26	2,186	8,845	15,107	-	15%	1,327	2,266	-	-	-	-	7,518	12,841	-
98	4.8 kV CC: Zenon Substation and Circuit Conversion	3/	Dec-26	1	-	-	-	15%	-	-	-	-	-	-	-	-	-

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Line No.	(a) Description		(b) In-Service Assumption	(c)	(d)	(e) Capital Expenditures (including Removal Costs)	(f)	(g) Est. % Removal	(h)	(i) Activity Accum. Depr. - Removal Costs	(j)	(k)	(l) Activity Plant in Service	(m)	(n)	(o) Activity CWIP - Net Additions/(Unitization)	(p)
99	4.8 kV CC: Cortland / Oakman / Linwood Consolidation	3/	Dec-24	241	737	2,537	-	15%	111	381	-	-	2,987	-	627	(831)	-
100	4.8 kV CC: Ariel Substation and Circuit Conversion	3/	Dec-23	1,070	641	-	-	15%	96	-	-	1,454	-	-	(909)	-	-
101	4.8 kV CC: I-94 Substation and Circuit Conversion (Promenade) - Below Grade	3/	Dec-23	13,401	2,174	-	-	15%	326	-	-	13,238	-	-	(11,391)	-	-
102	4.8 kV CC: Almont Relief and Circuit Conversion (Midas)	3/	Dec-25	13,119	3,944	6,000	1,000	15%	592	900	150	-	-	20,454	3,353	5,100	(19,604)
103	4.8 kV CC: Buckler Circuit Conversion	3/	Dec-24	8,889	3,882	3,922	-	15%	582	588	-	-	14,189	-	3,300	(10,856)	-
104	4.8 kV CC: Lapeer - Elba Expansion and Circuit Conversion (Apollo)	3/	Dec-27	2,728	947	3,558	12,000	15%	142	534	1,800	-	-	-	805	3,024	10,200
105	4.8 kV CC: McKinstry Sub Decommission	3/	Dec-24	38	559	3,376	-	15%	84	506	-	-	3,377	-	475	(507)	-
106	4.8 kV CC: Quincy Conversion	3/	Dec-24	1,052	1,667	1,692	-	15%	250	254	-	-	3,750	-	1,417	(2,311)	-
107	4.8 kV CC: Pinegrove Substation Relocation and Conversion	3/	Dec-25	2,531	20,626	51,226	4,594	15%	3,094	7,684	689	-	-	67,130	17,532	43,542	(63,225)
108	4.8 kV CC: Pinegrove Substation Relocation and Conversion CIAC	3/	Dec-25	-	95	(17,000)	(17,000)	15%	14	(2,550)	(2,550)	-	-	(28,819)	81	(14,450)	14,369
109	4.8 kV CC: I-94 Substation and Circuit Conversion (Promenade) - Above Grade	3/	Dec-24	2,043	4,204	1,311	-	15%	631	197	-	-	6,424	-	3,574	(5,310)	-
110	4.8 kV CC: Calla Circuit Conversion and Phase 2	3/	Dec-26	65	-	-	-	15%	-	-	-	-	-	-	-	-	-
111	4.8 kV CC: Hawthorne Relief and Circuit Conversion	3/	Dec-24	403	-	3,373	-	15%	-	506	-	-	3,210	-	-	(343)	-
112	4.8 kV CC: Birmingham Decommissioning and Circuit Conversion	3/	Dec-30	2	906	1,333	-	15%	136	200	-	-	-	-	770	1,133	-
113	4.8 kV CC: Crestwood Substation	3/	Dec-23	25	640	-	-	15%	96	-	-	565	-	-	(21)	-	-
114	4.8 kV CC: MAUME 8241 Downtown Clawson Conversion	3/	Dec-23	2,603	25	-	-	15%	4	-	-	2,233	-	-	(2,212)	-	-
115	4.8 kV CC: Power line Conversion of MADSN 175L-W	3/	Dec-23	107	578	-	-	15%	87	-	-	582	-	-	(91)	-	-
116	4.8 kV CC: GRFIN & WMSTN Conversions	3/	Dec-25	136	2,218	6,300	6,128	15%	333	945	919	-	-	12,564	1,885	5,355	(7,355)
117	4.8 kV CC: ISO Conversion Program	3/	Dec-27	52	6,466	1,700	-	15%	970	255	-	-	-	-	5,496	1,445	-
118	4.8kV CC: SCOTN	3/	Dec-24	50	1,174	1,885	-	15%	176	283	-	-	2,643	-	998	(1,041)	-
119	4.8 kV CC: Hemlock Decommissioning and Circuit Conversion	3/	Dec-30	-	152	750	1,400	15%	23	113	210	-	-	-	130	638	1,190
120	4.8 kV CC: Slater	3/	Dec-22	1,930	4	-	-	15%	1	-	-	3	-	-	-	-	-
121	4.8 kV CC: Curtis	3/	Dec-24	-	17	2,174	-	15%	3	326	-	-	1,863	-	15	(15)	-
122	4.8 kV CC: Unionville DC 301 B1 Conversion	3/	Dec-24	-	-	2,911	-	15%	-	437	-	-	2,474	-	-	(0)	-
123	4.8 kV CC: Hilton Substation and Circuit Conversion	3/	Dec-23	-	652	-	-	15%	98	-	-	554	-	-	-	-	-
124	4.8 kV CC: White Lake Decommissioning and Circuit Conversion	3/	Dec-27	0	-	-	-	15%	-	-	-	-	-	-	-	-	-
125	8.3 kV CC: Pontiac Overhead Conversion	3/	Dec-28	3,446	9,929	19,177	18,306	15%	1,489	2,877	2,746	-	-	-	8,440	16,300	15,560
126	8.3 kV CC: Pontiac Underground Conversion	3/	Dec-26	747	1,197	3,250	3,887	15%	180	487	583	-	-	-	1,017	2,762	3,304
127	System Loading: Brest Substation	3/	Dec-21	(2)	-	-	-	15%	-	-	-	-	-	-	-	-	-
128	System Loading: Carleton	3/	Dec-23	336	187	-	-	15%	28	-	-	445	-	-	(286)	-	-
129	System Loading: Grayling	3/	Dec-21	-	-	-	-	15%	-	-	-	-	-	-	-	-	-
130	System Loading: Prospect	3/	Dec-21	(146)	-	-	-	15%	-	-	-	-	-	-	-	-	-
131	System Loading: Mandy 307 Load Transfer	3/	Dec-22	1	(82)	-	-	15%	(12)	-	-	(70)	-	-	-	-	-

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Line No.	(a) Description		(b) In-Service Assumption	(c)	(d)	(e)	(f)	(g) Est. % Removal	(h)	(i) Activity Accum. Depr. - Removal Costs	(j)	(k)	(l) Activity Plant in Service	(m)	(n)	(o) Activity CWIP - Net Additions/(Unitization)	(p)
					Capital Expenditures (including Removal Costs)												
132	System Loading: Brown City	3/	Dec-26	(28)	2,485	7,392	6,634	15%	373	1,109	995	-	-	-	2,112	6,283	5,639
133	System Loading: Mack Transformer 102	3/	Dec-23	32	10	-	-	15%	1	-	-	35	-	-	(27)	-	-
134	System Loading: Port Sanilac	3/	Dec-28	15	438	2,389	9,246	15%	66	358	1,387	-	-	-	372	2,031	7,859
135	System Loading: Richmond/Armada	3/	Dec-28	3,201	8,417	8,893	6,152	15%	1,263	1,334	923	-	-	-	7,154	7,559	5,229
136	System Loading: Cody	3/	Dec-30	-	384	1,600	10,000	15%	58	240	1,500	-	-	-	326	1,360	8,500
137	System Loading: Otsego/Capac/Shaw	3/	Dec-27	-	151	88	1,617	15%	23	13	243	-	-	-	129	75	1,375
138	System Loading: Macomb/Golf	3/	Dec-29	-	-	-	126	15%	-	-	19	-	-	-	-	-	107
139	System Loading: Grenada	3/	Dec-29	225	3,521	6,535	12,000	15%	528	980	1,800	-	-	-	2,993	5,555	10,200
140	System Loading: Lark/Spruce	3/	Dec-27	14	24	1,350	4,045	15%	4	203	607	-	-	-	21	1,148	3,438
141	System Loading: Globe	3/	Dec-25	-	-	200	2,700	15%	-	30	405	-	-	2,465	-	170	(170)
142	System Loading: Jewell	3/	Dec-29	-	1,265	592	364	15%	190	89	55	-	-	-	1,076	503	309
143	System Loading: Mayville	3/	Dec-29	-	-	-	150	15%	-	-	23	-	-	-	-	-	128
144	System Loading: Goodison	3/	Dec-28	-	-	-	79	15%	-	-	12	-	-	-	-	-	67
145	System Loading: Wixom	3/	Dec-30	-	72	2,033	7,000	15%	11	305	1,050	-	-	-	61	1,728	5,950
146	System Loading: Diamond	3/	Dec-27	-	-	21	231	15%	-	3	35	-	-	-	-	18	196
147	System Loading: Spokane/Seneca	3/	Dec-28	-	62	-	4,984	15%	9	-	748	-	-	-	53	-	4,237
148	System Loading: Sterling	3/	Dec-28	-	-	336	4,727	15%	-	50	709	-	-	-	-	286	4,018
149	System Loading: Disco	3/	Dec-26	-	75	417	2,372	15%	11	63	356	-	-	-	64	354	2,016
150	System Loading: Tahoe	3/	Dec-28	-	-	-	100	15%	-	-	15	-	-	-	-	-	85
151	System Loading: New Baltimore/Chesterfield	3/	Dec-27	-	-	250	2,345	15%	-	38	352	-	-	-	-	213	1,993
152	System Loading: Kings Point	3/	Dec-30	-	135	1,000	4,500	15%	20	150	675	-	-	-	115	850	3,825
153	Pilot: Strategic and Service Undergrounding	3/	Annual	462	3,830	15,644	16,019	15%	575	2,347	2,403	3,256	13,297	13,616	-	-	-
154	Pilot: Primary Deconductoring	3/	Dec-23	1,846	36	-	-	15%	5	-	-	1,600	-	-	(1,569)	-	-
155	Redesign Sub-Total	3/		173,059	259,244	291,496	227,003		38,887	43,724	34,050	51,153	137,753	230,955	169,205	110,018	(38,003)
156																	
157	**Technology and Automation**																
158	ADMS: DMS/OMS	4/	Feb-23	28,961	9,270	-	-	0%	-	-	-	38,231	-	-	(28,961)	-	-
159	ADMS: Network Management System	4/	Dec-27	2,071	1,998	1,600	2,800	0%	-	-	-	-	-	-	1,998	1,600	2,800
160	ADMS Enhancements	4/	Dec-28	-	-	7,000	7,000	0%	-	-	-	-	-	-	-	7,000	7,000
161	Meter Improvements	4/	Dec-28	-	-	1,400	1,400	0%	-	-	-	-	-	-	-	1,400	1,400
162	FLISR Implementation	4/	Dec-28	-	-	4,412	6,400	0%	-	-	-	-	-	-	-	4,412	6,400
163	SOC: ESOC	4/	Dec-22	1,250	-	-	-	0%	-	-	-	-	-	-	-	-	-
164	SOC: ASOC	4/	May-24	7,534	20,927	-	-	0%	-	-	-	-	28,461	-	20,927	(28,461)	-

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Line No.	Description		(a) In-Service Assumption	(b)	(c) Capital Expenditures (including Removal Costs)	(d)	(e)	(f) Est. % Removal	(g)	(h) Activity Accum. Depr. - Removal Costs	(i)	(j)	(k) Activity Plant in Service	(l)	(m)	(n) Activity CWIP - Net Additions/(Unitization)	(o)	(p)
165	Grid Automation Telecommunications	**4/**	Annual	16,328	21,346	16,900	15,000	0%	-	-	-	21,346	16,900	15,000	-	-	-
166	Distribution Sensing and Monitoring (incldg Line Sensors)	**4/**	Annual	862	6,552	500	1,000	0%	-	-	-	6,552	500	1,000	-	-	-
167	Tree Trim Risk Prioritization Model	**5/**	Dec-24	3,078	3,824	-	-	0%	-	-	-	-	6,902	-	3,824	(6,902)	-
168	Distribution Automation	**4/**	Annual	5,506	27,104	21,188	125,625	0%	-	-	-	27,104	21,188	125,625	-	-	-
169	CVR/VVO	**4/**	Annual	5,164	1,766	2,500	8,100	0%	-	-	-	1,766	2,500	8,100	-	-	-
170	NWA: O'Shea Energy Storage	**4/**	Dec-24	1,456	889	54	-	0%	-	-	-	-	2,399	-	889	(2,345)	-
171	NWA: Battery Trailer	**4/**	Dec-24	2,051	1,191	2,250	-	0%	-	-	-	-	5,492	-	1,191	(3,242)	-
172	NWA: Omega Load Relief	**4/**	Dec-24	4,464	2,454	27	-	0%	-	-	-	-	6,945	-	2,454	(6,918)	-
173	NWA: Fisher Load Relief	**4/**	Dec-24	66	180	4,524	-	0%	-	-	-	-	4,770	-	180	(246)	-
174	NWA: Port Austin Load Relief	**4/**	Dec-24	619	3,627	1,486	-	0%	-	-	-	-	5,732	-	3,627	(4,246)	-
175	NWA: Veridian	**4/**	Dec-26	360	1,832	2,646	4,287	0%	-	-	-	-	-	-	1,832	2,646	4,287
176	NWA: Small Solar and Storage Testbed	**4/**	Dec-25	335	400	565	500	0%	-	-	-	-	-	1,800	400	565	(1,300)
177	NWA: EV Charging Demonstration at ACM	**4/**	Dec-28	1,292	1,292	920	2,500	0%	-	-	-	-	-	-	1,292	920	2,500
178	NWA: Adaptive Networked Microgrids	**4/**	Dec-27	-	17	4,588	25,550	0%	-	-	-	-	-	-	17	4,588	25,550
179	NWA: Adaptive Networked Microgrids - Project Contributions	**4/**	Dec-27	-	-	(2,609)	(13,110)	0%	-	-	-	-	-	-	-	(2,609)	(13,110)
180	Technology Programs & NWA	**4/**	Dec-23	0	1	-	-	0%	-	-	-	1	-	-	(0)	-	-
181	DERMS	**4/**	Dec-28	-	-	-	1,500	0%	-	-	-	-	-	-	-	-	1,500
182	DER Control	**4/**	Dec-28	-	-	290	290	0%	-	-	-	-	-	-	-	290	290
183	Mobile Technology	**4/**	Dec-28	969	5,095	500	800	0%	-	-	-	-	-	-	5,095	500	800
184	Power Quality Analysis Program	**4/**	Dec-28	-	-	400	500	0%	-	-	-	-	-	-	-	400	500
185	Distribution Planning	**4/**	Dec-26	932	8,447	1,572	1,600	0%	-	-	-	-	-	-	8,447	1,572	1,600
186	Enhance Maximo Capabilities and Processes	**4/**	Dec-28	-	-	-	500	0%	-	-	-	-	-	-	-	-	500
187	Primary Service Orders Replatform	**4/**	Dec-26	-	-	2,000	4,100	0%	-	-	-	-	-	-	-	2,000	4,100
188	External Crew Efficiency	**4/**	Dec-25	-	-	4,407	800	0%	-	-	-	-	-	5,207	-	4,407	(4,407)
189	Work Management & Scheduling Upgrades	**4/**	Dec-26	12,155	6,516	790	1,000	0%	-	-	-	-	-	-	6,516	790	1,000
190	Substation Design Tool Upgrades	**4/**	Dec-28	552	597	1,250	1,200	0%	-	-	-	-	-	-	597	1,250	1,200
191	Asset Management Upgrades	**4/**	Dec-23	1,711	2,121	-	-	0%	-	-	-	3,832	-	-	(1,711)	-	-
192	Load Forecasting & Analytics	**4/**	Dec-28	2,737	2,841	3,900	4,600	0%	-	-	-	-	-	-	2,841	3,900	4,600
193	Interconnection Process Enablement	**4/**	Dec-28	4,776	3,693	1,900	1,700	0%	-	-	-	-	-	-	3,693	1,900	1,700
194	Hosting Capacity Enablement	**4/**	Dec-28	108	253	350	300	0%	-	-	-	-	-	-	253	350	300
195	AMI: Meter Communications Upgrades	**4/**	Annual	631	-	-	-	0%	-	-	-	-	-	-	-	-	-
196	Microwave End of Life	**4/**	Dec-28	-	-	250	200	0%	-	-	-	-	-	-	-	250	200
197	SCADA Remote Access and Configuration Platform	**4/**	Dec-23	1,164	607	-	-	0%	-	-	-	1,771	-	-	(1,164)	-	-

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					Capital Expenditures (including Removal Costs)												
198	Automation Configuration and Test Record Database	4/	Dec-26	(115)	-	1,400	3,200	0%	-	-	-	-	-	-	-	1,400	3,200
199	Grid Edge Insights & New Technology	4/	Dec-28	2,288	1,819	5,935	4,500	0%	-	-	-	-	-	-	1,819	5,935	4,500
200	Sensor, Network and Algorithm Development (Solar Deployment)	4/	Dec-25	218	1,058	200	200	0%	-	-	-	-	-	1,676	1,058	200	(1,476)
201	Other Modernize Grid Management	4/	Dec-28	7,807	26,411	2,200	2,500	0%	-	-	-	-	-	-	26,411	2,200	2,500
202	Mobile tools expansion	4/	Dec-28	-	-	1,100	800	0%	-	-	-	-	-	-	-	1,100	800
203	Maintain compliance	4/	Dec-28	-	-	200	200	0%	-	-	-	-	-	-	-	200	200
204	Enhance and expand cybersecurity	4/	Dec-28	-	-	300	800	0%	-	-	-	-	-	-	-	300	800
205	Customer Power Status Visibility	4/	Annual	-	-	15,942	12,029	0%	-	-	-	-	15,942	12,029	-	-	-
206	Mobile Equipment Replacement	4/	Dec-28	-	-	881	2,800	0%	-	-	-	-	-	-	-	881	2,800
207	Substation Cybersecurity	4/	Dec-28	618	1,339	400	400	0%	-	-	-	-	-	-	1,339	400	400
208	Operational Technology and Error Free Communication	4/	Dec-28	5,496	136	5,600	1,400	0%	-	-	-	-	-	-	136	5,600	1,400
209	Substation Reporting and Process Enhancements	4/	Dec-24	-	-	200	-	0%	-	-	-	-	200	-	-	-	-
210	Systematic Tracking of Rotatable Assets	4/	Dec-25	-	-	-	600	0%	-	-	-	-	-	600	-	-	-
211	Technology Sub-Total			123,441	165,605	121,919	235,571		-	-	-	100,604	117,931	171,036	65,001	3,989	64,535
212																	
213	Total Distribution Plant			1,496,136	1,633,201	1,504,572	1,634,979		220,139	207,398	209,911	1,172,880	1,176,548	1,424,432	240,181	120,625	636

1/ Sponsored by Company Witness B. L. Hill: Base Capital Programs
2/ Sponsored by Company Witness M. Elliott Andahazy: Infrastructure Resilience and Hardening
3/ Sponsored by Company Witness S. S. Deol: Infrastructure Redesign
4/ Sponsored by Company Witness S.M. Hartwick: Technology and Automation
5/ Sponsored by Company Witness R.C. Steudle: Tree Trim project

PROOF OF SERVICE - U-21860

The undersigned certifies that a copy of the ***public revised Testimony and Exhibits of Dennis Stephens on behalf of MEC, NRDC, and the AG*** was served upon the parties listed below by e-mailing the same to them at their respective e-mail addresses on the 17th day of September 2025.

Joel B. King Digitally signed by Joel B. King Date: 2025.09.17 10:05:43 -04'00'

Joel B. King

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