

A FirstEnergy Company

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March 1, 2021

VIA ELECTRONIC MAIL

Aida Camacho-Welch, Secretary New Jersey Board of Public Utilities 44 South Clinton Street 3rd Floor Suite 314 Trenton, New Jersey 08625

Re: In the Matter of the Verified Petition of Jersey Central Power & Light Company for Review and Approval of Increases in and Other Adjustments to Its Rates and Charges For Electric Service, and For Approval of Other Proposed Tariff Revisions in Connection Therewith ("2020 Base Rate Filing") BPU Docket No. ER20020146 Vegetation Management Circuit Performance Report- Compliance Filing

Dear Secretary Camacho-Welch:

On behalf of Jersey Central Power & Light Company ("JCP&L" or "Company"), enclosed for filing with the New Jersey Board of Public Utilities ("Board"), is JCP&L's Vegetation Management Circuit Performance Report (the "VMCP Report" or "Report"). The VMCP Report is being filed in compliance with the Board's Order, dated October 28, 2020, in the above-referenced docket, adopting a Stipulation of Settlement ("the "Stipulation"). Among other things, as recited by the Board's Order (at pgs. 9-10), ¶\$38-40 of the Stipulation requires the Company to undertake a VMCP and to produce and file a semi-annual report by March 1, 2021. As required, copies of the VMCP are simultaneously provided to Board Staff and the Division of Rate Counsel ("Rate Counsel") together with a copy of this correspondence.

This VMCP is being sent electronically-only consistent with the Board Order dated March 19, 2020 (Docket No. EO20030254) directing that, until further notice, all submissions to the Board or to Rate Counsel, of any kind, be submitted electronically. Accordingly, please note that no paper copies will follow and we would appreciate if the Board Secretary's office would please acknowledge receipt of this letter and the VMCP.

If you have any questions, please feel free to contact me.

Very truly yours,

Lauren M. Lepkoski

Enclosures

cc: Certificate of Service



March 1, 2021

This Jersey Central Power & Light Company ("JCP&L" or "Company") Vegetation Management Circuit Performance Report (the "VMCP Report" or "Report") pertains to the Company's VMCP program. The VMCP Report is submitted to the New Jersey Board of Public Utilities (the "Board") in accordance with the Stipulation of Settlement approved by the Board in its Order dated October 28, 2020 in BPU Docket No. ER20020146 (the "Stipulation").

This Report, which is due March 1, 2020, is the first report under the Stipulation and provides the results of the Company's VMCP program for 2020. The next VMCP Report will be filed September 1, 2021. Subsequently, the VMCP Report will be filed on March 1 and September 1 of each following year. The VMCP Report filed on each March 1 will provide the VMCP program circuit performance for the previous year. The Report filed on each September 1 will address the VMCP programs progress during the then current year as well as updates, as applicable, about the prior year activity or follow-up, as appropriate, not covered by the previous VMCP Report.

I. VMCP Program Description (Stipulation ¶40)

- **40. VMCP Program Description Report:** Details of the VMCP Program will be described in a written report provided to the Board and Rate Counsel. The VMCP Program shall include, and the report shall describe, (i) the foregoing assessment, planning and enhanced on-cycle work elements as set forth in the Stipulation, and (ii) the VMCP Program reporting requirements.
 - a. VMCP Program reporting on a semi-annual basis shall include, at a minimum, data as set forth in Attachment 6 of the Stipulation; and
 - b. VMCP Program reporting shall include semi-annual meetings with Rate Counsel and Staff scheduled by the Company to discuss the reports
- (i) **See** Section III hereof.
- (ii) JCP&L performs vegetation management to help ensure the continued safe and reliable operation of the distribution system. The Company's Distribution vegetation management specification is designed to support line operations by improving reliability, and maintaining access to perform maintenance, make repairs, or restore electrical service in a safe and timely manner. JCP&L's currently approved vegetation specification calls for: (1) vegetation to be pruned to achieve four years of clearance, (2) removal of selected incompatible trees within the clearing zone corridor, (3) removal of certain defective limbs that are overhanging primary conductors, (4) controlling selected incompatible brush mechanically and/or using herbicide, and (5) if authorized by property owners to do so, removal of off-corridor priority trees that are dead, dying, diseased, and leaning or significantly encroaching the corridor.

Portions of a circuit that experience high customer interruption minutes due to vegetation-caused outages may be targeted to receive the standard specification as well as enhanced vegetation removal techniques, which includes removal of certain healthy limbs, based on tree species and condition, which overhang primary conductors.

Methods used to manage and control vegetation include manual control methods using hand-operated tools, mechanically control equipment-mounted saws, mowers or other devices. Removing incompatible vegetation may also include various herbicide application techniques such as, high volume foliage application, low volume foliage application, basal herbicide applications, stump applications, frill application, aerial application, bare soil treatment application and cut stubble applications. All herbicides are applied in accordance with all state, local and federal laws governing the use of herbicides.

JCP&L's professional vegetation management staff performs inspections and approves all work conducted by vegetation management contractors. The Forestry personnel maintain an understanding of current and emerging techniques by attending industry trade conferences and maintaining memberships in industry trade and professional organizations, such as Utility Arborist Association and the International Society of Arboriculture. The goal of the vegetation management department is to manage distribution corridors in a manner that provides safe and reliable electricity while simultaneously working to maintain stable and compatible vegetation along JCP&L's distribution rights-of-ways.

- a. The data required by the Stipulation, and as set forth in the Tree Reliability Reporting Template set forth in Attachment 6 of the Stipulation, are provided in the appendices to, and discussed within this VMCP Report, which includes the appendices.
- b. JCP&L will schedule a semi-annual meeting with Staff and Rate Counsel.

II. Tree-Related SAIDI Circuit Reliability Tracking and Reporting (Stipulation \P 38)

- 38. Tree-Related SAIDI Circuit Reliability Tracking and Reporting: The Company will measure the tree-related reliability performance of its circuits using System Average Interruption Duration Index ("SAIDI") by separately tracking tree-related outages on its circuits during blue-sky, minor weather days, and major events.
 - a. The Company will provide the tree-related SAIDI performance reporting results in a report to the Board on a semi-annual basis starting March 1, 2021 for each of the Company's 1,187 circuits. Initially for the 2020 reporting year, the report will compare (i) the tree-related SAIDI performance results for its circuits to (ii) the Company's four (4)-year (2016-2019) average circuit tree-related SAIDI. In subsequent reporting years, the Company will report on the tree-related SAIDI performance results for its circuits on a four (4)-year rolling average.
 - b. The 221 circuits that have received Zone 2 overhang removal as part of the JCP&L RP program will be tracked separately to determine the tree-related SAIDI performance benefits of the Zone 2 overhang removal for those circuits and the results will be included in the semi-annual report. The tree-related SAIDI performance of the 221 JCP&L RP program circuits will be monitored for one (1) trimming cycle (i.e., four [4] years) and will be reported in the Annual System Performance Report. Subsequently, these 221 circuits will be added to the Company's overall circuit population for purposes of tracking, reporting and attention, as required and necessary, under the VMCP Program.
- a. The tree-related SAIDI performance for the Company's 1,187 circuits inspected and trimmed as necessary for the 2020 reporting year are provided in Appendix A hereto (as required by Attachment 6 to the Stipulation).
- b. During 2020, a total of 221 circuits received Zone 2 overhang removal as part of the JCP&L Reliability Plus ("**RP**") program. The tree-related SAIDI for the 221 circuits during blue-sky, minor weather days, and major events, is provided in Appendix B.

III.VMCP Program Enhanced On-Cycle Work, Circuit Review, Assessment and Planning, and Off-ROW Mitigation (Stipulation ¶39)

- 39. VMCP Program Enhanced On-Cycle Work: Under the Company's VMCP Program, for circuits to be trimmed in a given year (i.e., on cycle), if an on-cycle circuit's tree-related SAIDI reliability performance is in the bottom 12% for any two (2) of the last four (4) consecutive years when compared to the four (4)-year rolling average tree-related SAIDI performance (starting initially in 2021 with the 2016-2019 rolling average:
 - a. VMCP Program Circuit Review, Assessment and Planning: The circuit will be reviewed to assess whether overhanging limbs, on-corridor trees, or off-corridor trees are the driver(s) for the circuit's tree-related SAIDI performance. Tree-related SAIDI performance of Zone 1 and Zone 2 will be analyzed to determine trees downstream of protective devices that have operated that may be trimmed or removed to address tree-related outages. This analysis will be used to determine whether overhanging limbs, on-corridor trees or off-corridor trees are the driver of the circuit's tree-related SAIDI performance. The circuit will also be reviewed to determine a work plan for enhanced on-cycle work to improve the circuit's tree-related SAIDI performance.
 - b. Enhanced On-Cycle Work: Enhanced on-cycle work, as described in the Stipulation, will be performed on the selected circuit and the circuit's tree-related SAIDI performance will be monitored on a quarterly basis until the circuit's tree-related SAIDI performance has improved for two (2) consecutive quarters. JCP&L will endeavor to improve the circuit's tree-related SAIDI performance through enhanced on-cycle trimming and off-right-of-way tree removal and shall undertake field analysis to determine to what extent ash tree failure is a driver of tree-related SAIDI performance and to what extent ash tree removal will be incorporated as part of the circuit's tree-related SAIDI improvement plan.
 - c. Off-Right-of-Way Tree Mitigation: The VMCP Program will also include off-right-of-way tree mitigation as part of the enhanced on-cycle work, starting within six (6) months of the approval of the Stipulation, targeting off right-of-way danger trees. Company representatives will work with property owners in an effort to obtain permission to perform vegetation management, including tree pruning, removal, etc.

The Company's review of the tree-related SAIDI reliability performance of circuits trimmed in 2020¹ indicates the following:

6

¹ See JCP&L's 2019 Annual System Performance Report ("*ASPR*"), which was submitted to the Board on May 29, 2020 pursuant to <u>N.J.A.C</u> 14:5-8.8, for the circuits that were scheduled to be trimmed in 2020 (beginning on page 59 of the ASPR, Sections 14:5-8.8 (c) 9., 14:5-9.9 (c) (2.), and 14:5-9.9 (d)).

Twenty-three (23) circuits have tree-related SAIDI reliability performance in the bottom 12% for two of the last four consecutive years (2016 - 2019) compared to the four year rolling average (2016 - 2019) tree-related SAIDI performance. A list of those 23 circuits is provided in Appendix C.

The primary cause of tree-related outages on these 23 circuits was due to off-ROW trees falling into electric facilities.

These 23 circuits will be further reviewed by JCP&L forestry personnel. The review will include an assessment of tree-related outages occurring in relation to protective devices, tree species, part of the tree that failed, and the location of the tree within the corridor. This information will be used to determine and/or develop the prescription for vegetation management work for those circuits.

Off Right-of-Way ("**ROW**") tree assessments will also be conducted on these 23 circuits. These assessments will identify Hazard and Danger off-ROW trees for removal.

JCP&L forestry staff will identify off-ROW Danger and Hazard trees, focusing on a distance of 15-24 feet from the closest conductor. This area has been identified as the highest outage causing location along the ROW. Contracted forestry professionals and work planners have also been provided guidance and will assign prescriptions to reduce on-ROW vegetation and remove identified Danger and Hazard trees.

The Company started the review, assessment, and planning process for these 23 circuits in January 2021, which is expected to be completed, including all maintenance activities, by December 31, 2021. Additional details on the status of the review, assessment, and planning, as well as with respect to the enhanced on-cycle work and off-ROW tree mitigation will be provided in the next semi-annual VMCP Report to be submitted on September 1, 2021.



Attachment 6 Tree Reliability Reporting Template JCP&L

Blue-Sky

Reliability	Baseline	Year 1	Year 2	Year 3	Year 4
Performance	(2016-2019)	(2020)	(2021)	(2022)	(2023)
Tree SAIFI	.341	.161			
System SAIFI	1.44	.915			
Tree as %	240/	1.00/			
Contribution	24%	18%			

Annual Outage Frequency and Duration

Aimuai Outage	i requericy and	Duranon			
Metric	Year 1 (2020)	Year 2 (2021)	Year 3 (2022)	Year 4 (2023)	% change
Customers Impacted (System) (#)	1,028,901				NA
Customers Impacted (Tree)	180,921				NA
Tree as % Contribution to SAIFI	18%				NA
Customers Impacted (System) (min)	135,310,911				NA
Customers Impacted (Tree)	34,876,302				NA
Tree as % Contribution to SAIDI	26%				NA

Including Major Events

Metric	Year 1 (2020)	Year 2 (2021)	Year 3 (2022)	Year 4 (2023)	% change
Customers Impacted (System) (#)	2,338,208				NA
Customers Impacted (Tree)	496,068				NA
Tree as % Contribution to SAIFI	21%				NA
Customers Impacted (System) (min)	2,323,363,988				NA
Customers Impacted (Tree)	648,668,213				NA

Tree as % Contribution to	28%		NA
SAIDI			

Tree Trimming Metrics

Tree Trimining	WICTICS				
Metric	Year 1 (2020)	Year 2 (2021)	Year 3 (2022)	Year 4 (2023)	% change
Number of Hazard trees ¹ identified for removal	24,718				NA
Number of Hazard trees removed	24,710				NA
Number of hazard tree removals denied by homeowners or other parties	8				NA
Number of Danger trees ² identified for removal	NA ³				NA
Number of Danger trees removed	NA ³				NA
Number of danger tree removals denied by homeowners or other parties	NA ³				NA

¹ "Hazard tree" is a structurally unsound tree on or off the right of way that could strike electric supply lines when it fails. Structural unsoundness distinguishes a hazard tree from a danger tree, such that while all hazard trees are danger trees, not all danger trees are hazard trees (NJAC 14:5-1.2).

² "Danger trees" are defined as any tree on or off the right-of-way that could contact electric supply lines if it were to fall (NJAC 14:5-1.2)

³ The requirement to track and report Danger trees is a new requirement under the Stipulation. JCP&L has not previously tracked Danger trees that are not also Hazard trees and, therefore, the total number of Danger trees that would have been identified for removal, removed, or denied for removal (by a property owner) in 2020 had this requirement been in place, is not known. Commencing January 2021, JCP&L began tracking this information and will include the 2021 Danger tree results in the VMCP Report to be submitted on March 1, 2022 covering the 2021 reporting year. Additionally, an interim update will be provided in the September 1, 2021 VMCP Report that will provide Danger tree data through August 2021.

Appendix B

Tree-Related SAIDI Performance For The 221 Circuits That Received Zone 2 Overhang Removal Under The JCP&L Reliability Plus Program During 2020

Tree-Related SAIDI Performance For The 221 Circuits That Received Zone 2 Overhang Removal Under The JCP&L Reliability Plus Program During 2020

Substation / Circuit	Year 1 (2020) SAIDI Blue-Sky ¹	Year 1 (2020) SAIDI Minor Weather Days ²	Year 1 (2020) SAIDI Major Events ³
Academy 37954	26	157	514
Air Reduction 37860	193	29	1986
Air Reduction 37861	298	21	7364
Alderney 37731	53	13	1299
Alpha 27691	365	30	66
Andover 14704	201	584	1125
Andover 14706	11	47	66
Andover 17702	152	116	472
Baptistown 27720	245	529	638
Bath Ave 53001	0	0	57
Bernardsville 17531	64	53	1282
Blairstown 17655	177	455	282
Blairstown 17656	138	116	327
Boonton 33771	135	55	2542
Bradevelt 47173	255	2	1028
Branchville 17630	31	25	395
Branchville 17632	115	115	492
Briant Park 33776	36	263	3853
Briant Park 33780	21	0	7732
Broadway 27635	80	131	33
Cedar Knolls 37789	97	3	134
Change Bridge 37791	159	164	1613
Chapin Road 37929	68	338	3368
Chapin Road 37930	11	408	3818
Chester 17540	328	82	3903
Chester 17541	102	451	4960
Chester 17542	85	61	3667
Chester 17544	110	75	4742
Clark St 43099	14	0	487
Convent 37797	2	29	1700
Convent 37800	21	0	849
Convent 37801	88	0	1831
Convent 37802	2	0	259
Cozy Lake 17735	225	113	5678
Cozy Lake 17737	18	26	2084
Cranbury 47182	22	1	494

Substation / Circuit	Year 1 (2020) SAIDI Blue-Sky ¹	Year 1 (2020) SAIDI Minor Weather Days ²	Year 1 (2020) SAIDI Major Events ³
Cranbury 47196	57	3	2724
Crawfords Corner 47408	33	26	5820
Csc 37423	131	80	9131
Dead River 27501	20	68	1075
Dead River 27503	56	3	159
Dead River 27504	92	29	634
Depot 57095	20	14	2339
Drakestown 17100	277	154	44
Drakestown 17101	134	16	2194
East Dover 14510	0	0	1910
East Flemington 27542	69	7	1816
Fadem Road 37900	293	43	337
Fairhaven 54207	278	314	5176
Fairhaven 57205	18	15	4212
Flanders 17012	31	114	1485
Flanders 17013	11	7	1346
Flanders 17014	28	88	76
Fleetwood 14001	13	196	1173
Fleetwood 14002	9	0	564
Florham Park 37740	10	39	2550
Florham Park 37741	146	0	0
Florham Park 37743	35	0	893
Florham Park 37803	170	87	4339
Fox Hill 37810	274	0	3170
Fox Hill 37811	184	3	2447
Franklin 14539	109	44	56
Freneau 47333	68	10	6349
Furnace Brook 27534	241	48	1148
Furnace Brook 27535	40	381	601
Gilboa 24587	170	135	3132
Gillette 37940	190	232	6788
Gillette 37941	149	27	1289
Glen Gardner 27592	115	100	2247
Glen Gardner 27714	65	161	1278
Gordons Corner 47384	20	48	2011
Gordons Corner 47385	24	0	6602
Grandin 27706	172	43	1580
Great Adventure 67296	33	17	1064
Great Adventure 67297	295	47	4871
Green Village 37813	40	106	480

Substation / Circuit	Year 1 (2020) SAIDI Blue-Sky ¹	Year 1 (2020) SAIDI Minor Weather Days ²	Year 1 (2020) SAIDI Major Events ³
Greystone 37758	83	25	3334
Hackettstown 14560	226	38	87
Hamburg 17557	98	198	17
Haskell 37823	60	10	153
Hawks 27683	228	88	520
Hayti 47390	272	136	6321
Herbertsville 57382	21	4	329
Herbertsville 57383	192	106	2526
Holiday Lakes 17302	163	160	738
Hooper Ave 67260	18	697	219
Hooper Ave 67262	75	18	3163
Hopatcong 14635	16	4	7398
Hopatcong 14636	6	53	5202
Hopatcong 14637	3	101	4800
Hornerstown 67292	66	2	3220
Howell 47085	102	6	6657
Hurdtown 14614	7	113	2518
Hurdtown 17785	58	26	4399
Hurdtown 17786	128	72	2394
Hyson 67310	52	2	1074
Iliff 17203	93	18	274
Jacksonville 33827	49	33	9621
Jerseyville 47483	16	111	4919
Kenvil 17626	504	263	895
King George 37925	459	0	6877
Lakehurst 64324	2	3	212
Landing 17740	195	167	7
Landing 17743	14	25	5178
Lanes Mill 57315	46	29	2296
Larrabee 67349	80	7	1024
Laurelton 57041	5	5	1629
Laurelton 57042	83	0	1007
Laurelton 57044	2	0	1031
Lebanon 27411	262	74	513
Lincroft 57170	15	269	7981
Little Silver 57456	7	2	6349
Lyons 17641	144	72	2513
Lyons 17642	15	0	738
Manalapan 47350	0	158	4227
Manitou 67502	95	33	6560

Substation / Circuit	Year 1 (2020) SAIDI Blue-Sky ¹	Year 1 (2020) SAIDI Minor Weather Days ²	Year 1 (2020) SAIDI Major Events ³
Manitou 69507	115	538	3538
Marble Hill 24702	53	0	0
Mc Guire 67047	82	41	2093
Mendham 17648	143	41	6656
Mid Monmouth 57365	132	381	2266
Millburn 33832	4	0	1810
Millburn 33834	68	2	31
Millburn 33835	1	0	0
Millburn 33836	6	0	267
Millburn 33838	69	0	27
Millhurst 47416	224	217	1706
Mohawk 14645	7	19	2927
Monmouth 57122	1	70	5093
Moore 24588	874	763	2875
Morris 14517	102	2	313
Morris Plains 33843	18	27	4224
Morris Plains 33845	83	14	1689
Morristown 37849	11	60	227
Morristown 37852	52	284	3740
Morristown 37853	276	178	2808
Morristown 37854	411	7	1273
Morristown 37855	51	34	3121
Morristown 37934	74	91	2443
Mount Pleasant 37927	241	7	4231
Mountain 37640	65	22	5736
Mountain 37642	15	174	4236
Mountain 37643	27	0	258
Mt Fern 17729	76	115	4725
N Newton 14550	123	82	49
Netcong 17570	12	96	2594
Netcong 17571	15	33	3066
New Lisbon 67278	19	322	1056
New Lisbon 67312	28	82	3605
New Lisbon 67314	165	290	9629
North Branch 27606	211	62	985
Okner 37871	271	11	3093
Old York 27801	25	4	2930
Peapack 17615	68	291	5690
Peapack 17616	114	77	4977
Pequest River 27665	36	121	43

Substation / Circuit	Year 1 (2020) SAIDI Blue-Sky ¹	Year 1 (2020) SAIDI Minor Weather Days ²	Year 1 (2020) SAIDI Major Events ³
Pleasant Plains 67006	58	31	1185
Pompton 33753	2	4	4534
Port Murray 27730	70	803	2401
Port Murray 27731	108	245	2154
Raceway 47425	2	9	4210
Ridge 17028	147	143	5003
Ridge 17029	108	154	1610
Ringoes 24651	39	830	1072
Ringoes 24653	111	885	1930
Riverdale 37885	32	161	5094
Riverdale 37890	210	20	3124
Rockaway 14524	111	60	5681
Rosemont 24625	568	364	2286
Sayreville 43266	0	0	0
Short Hills 33894	14	0	103
Short Hills 33895	11	57	4314
Short Hills 37896	32	2	4350
Short Hills 37897	21	414	897
Somerset 17698	341	3	1804
Somerset 17700	26	2	32
South Lakewood 67491	42	59	1793
South Lakewood 67492	7	6	0
South Lakewood 67495	45	0	3284
Sparta 17695	287	39	1513
Sparta 17696	122	140	914
Sparta 17751	67	53	315
Stanton 24403	8	107	3072
Stewartsville 24611	3	9	1588
Stirling 37957	22	20	742
Summit 33962	18	4	2680
Summit 33969	286	0	7515
Summit 33970	19	5	1152
Taylor Lane 57037	13	0	4878
Texas Road 47286	7	10	1158
Texas Road 47287	514	6	958
Traynor 33974	162	8	1557
Traynor 33978	135	14	982
Traynor 33980	110	0	4995
Traynor 37972	157	16	1103
Traynor 37973	5	0	4789

Substation / Circuit	Year 1 (2020) SAIDI Blue-Sky ¹	Year 1 (2020) SAIDI Minor Weather Days ²	Year 1 (2020) SAIDI Major Events ³
Twin Rivers 47104	46	147	7978
Upton 67294	23	2	4626
Upton 67295	112	5	4804
Upton 67303	17	21	4276
Valley View 33983	5	155	4289
Valley View 33984	231	1	227
Valley View 33985	193	0	7252
Valley View 33986	162	53	1652
Valley View 33987	48	0	99
Vanhiseville 67316	89	0	1407
Vanhiseville 67319	69	137	1970
Vermont Ave 67611	32	0	22
W Wharton 19201	124	19	302
Wall Church 57600	3	0	3768
Washington 24571	11	0	460
Waverly 37990	212	288	5765
Waverly 37993	169	0	5704
West Flemington 24532	12	0	14
Whitesville 53349	34	15	67
Whitney 37736	105	272	2427
Whitney 37737	140	18	2023
Woodruffs Gap 14545	194	6	1
Wyckoff 47193	23	4	852
Wyckoff 47194	214	3	1267
Wyckoff 47195	122	73	73

¹ "Blue-Sky" refers to any day other than a Minor Weather Day or a Major Event.

² "Minor Weather Day" refers to any day that meets the minimum criteria used by FirstEnergy in-house meteorologists to trigger the issuance of a weather alert, which includes: (A) Winter precipitation, meaning (i) ice or freezing rain of 0.25 inch or more within a 24-hour period; and (ii) four inches or more of snow within a 24-hour period (wet or dry snow); (B) Wind speeds 40 mph or higher; and/or (C) Lightning strikes greater than or equal to ten strikes.

³ "Major Event" has the defined meaning set forth in N.J.A.C. 14:5-1.2.

Appendix C

23 Circuits With Tree-Related SAIDI Reliability Performance In The Bottom 12% For Two of the Last Four Consecutive Years (2016 - 2019) Compared To The Four Year Rolling Average (2016 - 2019) Tree-Related SAID Performance

23 Circuits With Tree-Related SAIDI Reliability Performance In The Bottom 12% For Two of the Last Four Consecutive Years (2016 - 2019) Compared To The Four Year Rolling Average (2016 - 2019) Tree-Related SAID Performance

Substation	Circuit
E Newton	14583
Kittatinny	17576
Kittatinny	17577
Kenvil	17598
West Portal	24566
West Portal	24567
Rosemont	24586
Perryville	27034
Cherryville	27601
Cherryville	27602
Briant Park	33779
Jacksonville	33826
Jacksonville	33828
Pompton Lakes	33921
Lincoln Park	33945
Lincoln Park	33946
Lincoln Park	33949
Stoney Brook	37651
Parsippany	37676
Taylortown	37720
Taylortown	37721
Crossman	43742
Rumson	57491

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