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March 1, 2022

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

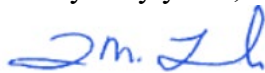
Dear Secretary Camacho-Welch:

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 starting 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

**Jersey Central
Power & Light**

A FirstEnergy Company

**Vegetation Management Circuit
Performance Program Report**

March 1, 2022

Vegetation Management Circuit Performance Program Report

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, 2022, is the third report under the Stipulation and provides the results of the Company’s VMCP program for 2021 as well as the final results of the 2020 VMCP program. The next report will be submitted on September 1, 2022. 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.

Vegetation Management Circuit Performance Program 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, not only, receive the specification described above, but also 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.

Vegetation Management Circuit Performance Program Report

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 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.

Vegetation Management Circuit Performance Program Report

II. Tree-Related SAIDI Circuit Reliability Tracking and Reporting (Stipulation ¶ 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 2021 reporting year are provided in Appendix A hereto (as required by Attachment 6 to the Stipulation).*
 - b. *During 2019 and 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.*

Vegetation Management Circuit Performance Program Report

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 2021¹ indicates the following:

¹ See JCP&L's 2020 Annual System Performance Report ("ASPR"), which was submitted to the Board on May 28, 2021 pursuant to N.J.A.C. 14:5-8.8, for the circuits that were scheduled to be trimmed in 2021 (beginning on page 64 of the ASPR, Sections 14:5-8.8(c)9., 14:5-9.9(c)(2.), and 14:5-9.9(d)).

Vegetation Management Circuit Performance Program Report

Seventeen (17) circuits have tree-related SAIDI reliability performance in the bottom 12% for two of the last four consecutive years (2018 – 2021) compared to the four-year rolling average (2018 – 2021) tree-related SAIDI performance. A list of those 17 circuits is provided in Appendix C.

The primary cause of tree-related outages on these 17 circuits was due to off-ROW trees falling into electric facilities.

These 17 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 17 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 17 circuits in January 2022. The Company expects the process to be completed, including all maintenance activities, by December 31, 2022. 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, 2022.

Vegetation Management Circuit Performance Program Report

IV. Final VMCP Program Enhanced On-Cycle Work, Circuit Review, Assessment and Planning, and Off-ROW Mitigation (Stipulation ¶39) for Previous Year

The Company completed the enhanced on-cycle work on the twenty-one circuits trimmed in 2020 and identified in 2021 as having 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. The final summary of those twenty-one circuits is provided in Appendix D.

Vegetation Management Circuit Performance Program Report

Appendix A
Tree-Related SAIDI Circuit Performance

Vegetation Management Circuit Performance Program Report

Attachment 6 JCP&L Tree Reliability Reporting Template

Blue-Sky

Reliability Performance	Baseline (2016-2019)	Year 1 (2020)	Year 2 (2021)	Year 3 (2022)	Year 4 (2023)
Tree SAIFI	.341	0.161	0.140		
System SAIFI	1.44	0.915	0.832		
Tree as % Contribution	24%	18%	17%		

Annual Outage Frequency and Duration

Metric	Year 1 (2020)	Year 2 (2021)	Year 3 (2022)	Year 4 (2023)	% change
Customers Impacted (System) (#)	1,028,901	940,915			-8.6%
Customers Impacted (Tree)	180,921	158,845			-12.2%
Tree as % Contribution to SAIFI	18%	17%			-5.6%
Customers Impacted (System) (min)	135,310,911	127,627,995			-5.7%
Customers Impacted (Tree)	34,876,302	34,887,565			0.0%
Tree as % Contribution to SAIDI	26%	27%			+3.9%

Including Major Events

Metric	Year 1 (2020)	Year 2 (2021)	Year 3 (2022)	Year 4 (2023)	% change
Customers Impacted (System) (#)	2,338,208	1,461,324			-37.5%
Customers Impacted (Tree)	496,068	311,046			-37.3%
Tree as % Contribution to SAIFI	21%	21%			0.0%
Customers Impacted (System) (min)	2,323,363,988	322,673,201			-86.1%
Customers Impacted (Tree)	648,668,213	122,789,624			-81.1%
Tree as % Contribution to SAIDI	28%	38%			+35.7%

Vegetation Management Circuit Performance Program Report

Tree Trimming Metrics

Metric	Year 1 (2020)	Year 2 (2021)	Year 3 (2022)	Year 4 (2023)	% change
Number of Hazard trees ¹ identified for removal	24,718	15,899			-35.7%
Number of Hazard trees removed	24,710	15,892			-35.7%
Number of hazard tree removals denied by homeowners or other parties	8	7			-12.5%
Number of Danger trees ² identified for removal	NA ³	5,804			NA
Number of Danger trees removed	NA ³	2,526			NA
Number of danger tree removals denied by homeowners or other parties	NA ³	19			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 had 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, was not known. Commencing January 2021, JCP&L began tracking this information and has included the 2021 Danger tree results in this March 1, 2022 VMCP Report covering the 2021 reporting year. Additionally, an interim update will be provided in the September 1, 2022 VMCP Report that will provide Danger tree data through August 2022.

Vegetation Management Circuit Performance Program Report

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

Vegetation Management Circuit Performance Program Report

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

2021				
Substation Circuit	Circuit	SAIDI Blue-Sky ¹	SAIDI Minor Weather Days ²	SAIDI Major Events ³
Academy 37954	37954	0	0	0
Air Reduction 37860	37860	0	0	0
Air Reduction 37861	37861	0	0	0
Alderney 37731	37731	0	0	0
Alpha 27691	27691	0	0	0
Andover 14704	14704	0	0	0
Andover 14706	14706	1	48	494
Andover 17702	17702	0	0	0
Baptistown 27720	27720	16	38	67
Bath Ave 53001	53001	0	0	0
Bernardsville 17531	17531	9	0	430
Blairstown 17655	17655	74	27	107
Blairstown 17656	17656	152	229	1107
Boonton 33771	33771	0	0	0
Bradevelt 47173	47173	0	0	0
Branchville 17630	17630	0	0	0
Branchville 17632	17632	44	17	740
Briant Park 33776	33776	0	0	0
Briant Park 33780	33780	0	0	0
Broadway 27635	27635	41	48	65
Cedar Knolls 37789	37789	0	0	0
Change Bridge 37791	37791	0	0	0
Chapin Road 37929	37929	0	0	0
Chapin Road 37930	37930	0	0	0
Chester 17540	17540	0	0	0
Chester 17541	17541	9	57	420
Chester 17542	17542	13	3	28
Chester 17544	17544	50	41	81
Clark St 43099	43099	0	0	0
Convent 37797	37797	0	0	0
Convent 37800	37800	0	0	0
Convent 37801	37801	0	0	0
Convent 37802	37802	0	0	0
Cozy Lake 17735	17735	2	4	124
Cozy Lake 17737	17737	0	0	0
Cranbury 47182	47182	57	1	0

Vegetation Management Circuit Performance Program Report

2021				
Substation Circuit	Circuit	SAIDI Blue-Sky ¹	SAIDI Minor Weather Days ²	SAIDI Major Events ³
Cranbury 47196	47196	0	0	0
Crawfords Corner 47408	47408	0	0	0
Csc 37423	37423	4	7	0
Dead River 27501	27501	0	0	0
Dead River 27503	27503	0	0	0
Dead River 27504	27504	0	0	9
Depot 57095	57095	0	0	0
Drakestown 17100	17100	4	0	523
Drakestown 17101	17101	1	1	3
East Dover 14510	14510	0	0	0
East Flemington 27542	27542	0	0	0
Fadem Road 37900	37900	0	0	0
Fairhaven 54207	54207	0	0	0
Fairhaven 57205	57205	0	0	0
Flanders 17012	17012	0	0	0
Flanders 17013	17013	35	4	141
Flanders 17014	17014	50	0	3
Fleetwood 14001	14001	0	0	0
Fleetwood 14002	14002	0	0	0
Florham Park 37740	37740	2	44	0
Florham Park 37741	37741	0	0	0
Florham Park 37743	37743	0	0	0
Florham Park 37803	37803	0	0	0
Fox Hill 37810	37810	0	0	0
Fox Hill 37811	37811	0	0	0
Franklin 14539	14539	0	0	0
Freneau 47333	47333	0	0	0
Furnace Brook 27534	27534	97	14	911
Furnace Brook 27535	27535	0	0	0
Gilboa 24587	24587	120	23	486
Gillette 37940	37940	82	4	17
Gillette 37941	37941	6	5	7
Glen Gardner 27592	27592	40	170	318
Glen Gardner 27714	27714	27	258	415
Gordons Corner 47384	47384	0	0	0
Gordons Corner 47385	47385	0	0	0
Grandin 27706	27706	0	0	0
Great Adventure 67296	67296	22	0	1
Great Adventure 67297	67297	0	0	0

Vegetation Management Circuit Performance Program Report

2021				
Substation Circuit	Circuit	SAIDI Blue-Sky ¹	SAIDI Minor Weather Days ²	SAIDI Major Events ³
Green Village 37813	37813	0	0	0
Greystone 37758	37758	0	0	0
Hackettstown 14560	14560	0	0	0
Hamburg 17557	17557	0	0	0
Haskell 37823	37823	0	0	0
Hawks 27683	27683	41	11	475
Hayti 47390	47390	0	0	0
Herbertsville 57382	57382	0	0	0
Herbertsville 57383	57383	0	0	0
Holiday Lakes 17302	17302	218	72	627
Hooper Ave 67260	67260	0	0	0
Hooper Ave 67262	67262	0	0	0
Hopatcong 14635	14635	0	0	100
Hopatcong 14636	14636	0	0	0
Hopatcong 14637	14637	0	0	0
Hornerstown 67292	67292	0	0	0
Howell 47085	47085	13	1	4
Hurdtown 14614	14614	0	0	0
Hurdtown 17785	17785	16	5	448
Hurdtown 17786	17786	0	0	0
Hyson 67310	67310	0	0	0
Iloff 17203	17203	0	0	0
Jacksonville 33827	33827	0	0	0
Jerseyville 47483	47483	0	0	0
Kenvil 17626	17626	0	0	0
King George 37925	37925	5	0	0
Lakehurst 64324	64324	0	0	0
Landing 17740	17740	822	88	18
Landing 17743	17743	0	0	0
Lanes Mill 57315	57315	0	0	0
Larrabee 67349	67349	0	0	0
Laurelton 57041	57041	0	0	0
Laurelton 57042	57042	0	0	0
Laurelton 57044	57044	0	0	0
Lebanon 27411	27411	0	0	0
Lincroft 57170	57170	0	0	0
Little Silver 57456	57456	0	0	0
Lyons 17641	17641	2	0	181
Lyons 17642	17642	0	0	0

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2021				
Substation Circuit	Circuit	SAIDI Blue-Sky ¹	SAIDI Minor Weather Days ²	SAIDI Major Events ³
Manalapan 47350	47350	0	0	0
Manitou 67502	67502	0	0	0
Manitou 69507	69507	0	0	0
Marble Hill 24702	24702	44	11	0
Mc Guire 67047	67047	0	0	0
Mendham 17648	17648	0	0	0
Mid Monmouth 57365	57365	0	0	0
Millburn 33832	33832	0	0	0
Millburn 33834	33834	0	0	0
Millburn 33835	33835	0	0	0
Millburn 33836	33836	0	0	0
Millburn 33838	33838	0	0	0
Millhurst 47416	47416	0	0	0
Mohawk 14645	14645	0	0	0
Monmouth 57122	57122	0	0	0
Moore 24588	24588	14	361	74
Morris 14517	14517	0	0	0
Morris Plains 33843	33843	0	0	0
Morris Plains 33845	33845	0	0	0
Morristown 37849	37849	0	0	0
Morristown 37852	37852	0	0	0
Morristown 37853	37853	0	0	0
Morristown 37854	37854	0	0	0
Morristown 37855	37855	0	0	0
Morristown 37934	37934	0	0	0
Mount Pleasant 37927	37927	0	0	0
Mountain 37640	37640	0	0	0
Mountain 37642	37642	0	0	0
Mountain 37643	37643	0	0	0
Mt Fern 17729	17729	0	0	0
N Newton 14550	14550	0	0	0
Netcong 17570	17570	0	0	0
Netcong 17571	17571	1	0	6
New Lisbon 67278	67278	0	0	0
New Lisbon 67312	67312	0	0	0
New Lisbon 67314	67314	0	0	0
North Branch 27606	27606	0	0	0
Okner 37871	37871	0	0	0
Old York 27801	27801	0	0	0

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2021				
Substation Circuit	Circuit	SAIDI Blue-Sky ¹	SAIDI Minor Weather Days ²	SAIDI Major Events ³
Peapack 17615	17615	0	0	0
Peapack 17616	17616	26	79	7
Pequest River 27665	27665	138	65	368
Pleasant Plains 67006	67006	0	0	0
Pompton 33753	33753	0	0	0
Port Murray 27730	27730	0	0	0
Port Murray 27731	27731	0	0	0
Raceway 47425	47425	0	0	0
Ridge 17028	17028	4	35	483
Ridge 17029	17029	21	4	72
Ringoes 24651	24651	6	24	445
Ringoes 24653	24653	12	69	15
Riverdale 37885	37885	0	0	0
Riverdale 37890	37890	5	0	2
Rockaway 14524	14524	0	0	0
Rosemont 24625	24625	142	295	1910
Sayreville 43266	43266	0	0	0
Short Hills 33894	33894	0	0	0
Short Hills 33895	33895	0	0	0
Short Hills 37896	37896	2	0	0
Short Hills 37897	37897	0	0	0
Somerset 17698	17698	0	0	0
Somerset 17700	17700	0	0	0
South Lakewood 67491	67491	57	399	0
South Lakewood 67492	67492	0	0	0
South Lakewood 67495	67495	0	0	0
Sparta 17695	17695	0	0	0
Sparta 17696	17696	6	5	865
Sparta 17751	17751	0	0	0
Stanton 24403	24403	323	17	75
Stewartsville 24611	24611	0	0	0
Stirling 37957	37957	2	0	34
Summit 33962	33962	0	0	0
Summit 33969	33969	0	0	0
Summit 33970	33970	0	0	0
Taylor Lane 57037	57037	0	0	0
Texas Road 47286	47286	0	0	0
Texas Road 47287	47287	0	0	0
Traynor 33974	33974	0	0	0

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2021				
Substation Circuit	Circuit	SAIDI Blue-Sky ¹	SAIDI Minor Weather Days ²	SAIDI Major Events ³
Traynor 33978	33978	0	0	0
Traynor 33980	33980	0	0	0
Traynor 37972	37972	0	0	0
Traynor 37973	37973	0	0	0
Twin Rivers 47104	47104	0	0	0
Upton 67294	67294	1	0	0
Upton 67295	67295	13	0	0
Upton 67303	67303	0	0	0
Valley View 33983	33983	0	0	0
Valley View 33984	33984	0	0	0
Valley View 33985	33985	0	0	0
Valley View 33986	33986	0	0	0
Valley View 33987	33987	0	0	0
Vanhiseville 67316	67316	0	0	0
Vanhiseville 67319	67319	0	0	0
Vermont Ave 67611	67611	0	0	0
W Wharton 19201	19201	0	0	0
Wall Church 57600	57600	0	0	0
Washington 24571	24571	0	0	0
Waverly 37990	37990	0	0	0
Waverly 37993	37993	4	0	30
West Flemington 24532	24532	0	0	0
Whitesville 53349	53349	0	0	0
Whitney 37736	37736	45	28	154
Whitney 37737	37737	0	0	0
Woodruffs Gap 14545	14545	0	0	0
Wyckoff 47193	47193	0	0	0
Wyckoff 47194	47194	0	0	0
Wyckoff 47195	47195	0	0	0

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.

Vegetation Management Circuit Performance Program Report

Appendix C

17 Circuits With Tree-Related SAIDI Reliability Performance In The Bottom 12% For Two of the Last Four Consecutive Years (2018 - 2021) Compared To The Four Year Rolling Average (2018 – 2021) Tree-Related SAIDI Performance

Vegetation Management Circuit Performance Program Report

17 Circuits With Tree-Related SAIDI Reliability Performance In The Bottom 12% For Two of the Last Four Consecutive Years (2018 - 2021) Compared To The Four Year Rolling Average (2018 – 2021) Tree-Related SAIDI Performance

Substation	Circuit
Applegarth	47357
Elberon	53149
Hornerstown	67291
Branchville	17631
Denville	14625
Greater Xroads	17594
Greater Xroads	17595
Holiday Lakes	17301
Landing	17742
Lebanon	24597
Mendham	17647
Mendham	17649
MT Arlington	14604
MT Arlington	17603
Neshanic	24580
Neshanic	27451
Rocktown Rd	24583

Vegetation Management Circuit Performance Program Report

Appendix D

Completed Enhanced On-Cycle Work for the 21 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 SAIDI Performance

Vegetation Management Circuit Performance Program Report

Enhanced On-Cycle Work Completed in 2021

Substation	Circuit	Status of Assessment of Tree-Related Outages ¹	Vegetation Management Activities ²			Off ROW Assessment ³		
			Status	Circuit Miles Completed	Circuit Miles Remaining	Status	Hazard Trees Identified for Removal	Danger Trees Identified for Removal
E Newton	14588	Complete	Complete	8.66	0	Complete	30	33
Kittatinny	17576	Complete	Complete	47.75	0	Complete	98	1254
Kittatinny	17577	Complete	Complete	88.59	0	Complete	223	917
West Portal	24566	Complete	Complete	15.18	0	Complete	0	76
West Portal	24567	Complete	Complete	19.21	0	Complete	153	138
Rosemont	24586	Complete	Complete	46.11	0	Complete	66	547
Clinton	24671	Complete	Complete	15.52	0	Complete	21	189
Perryville	27034	Complete	Complete	31.55	0	Complete	1	166
Perryville	27035	Complete	Complete	31.76	0	Complete	0	12
Cherryville	27601	Complete	Complete	7.42	0	Complete	0	78
Cherryville	27602	Complete	Complete	35.63	0	Complete	1	125
Broadway	27634	Complete	Complete	30.62	0	Complete	50	198
Jacksonville	33828	Complete	Complete	11.80	0	Complete	1	78
Lincoln Park	33946	Complete	Complete	6.54	0	Complete	33	119
Taylortown	37720	Complete	Complete	34.96	0	Complete	89	517
Change Bridge	37793	Complete	Complete	15.68	0	Complete	12	500
Freneau	47330	Complete	Complete	10.71	0	Complete	5	94
Raceway	47423	Complete	Complete	7.80	0	Complete	13	100
Fairhaven	54208	Complete	Complete	6.16	0	Complete	1	21
Little Silver	54453	Complete	Complete	7.46	0	Complete	14	53
Middletown	57460	Complete	Complete	13.45	0	Complete	8	214

¹The assessment of tree-related outages includes an engineering analysis of tree-related outages by circuit and zone.

²Vegetation management activities include tree trimming or removal and herbicide application as necessary.

³The off ROW assessment includes the identification of hazard and danger trees.

**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**

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