

Lauren M. Lepkoski, Esq.
(610) 921-6203
(330) 315-9263 (Fax)

September 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

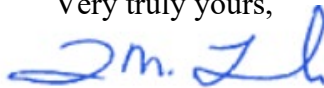
Dear Secretary Camacho-Welch:

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 September 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**

September 1, 2021

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 September 1, 2021, is the second Report under the Stipulation and provides the VMCP progress through July 31, 2021.

The VMCP Report will be filed on March 1 and September 1 of each 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, diseased, declining, structurally compromised, severely leaning, or significantly encroaching into or onto the vegetation clearing zone.

Portions of a circuit that experience high customer interruption minutes due to vegetation-caused outages may be targeted to receive the specification described above, 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.

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 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 attempt to schedule a semi-annual meeting with Staff and Rate Counsel to take place in September 2021.**

Vegetation Management Circuit Performance Program Report

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 through July 31, 2021, are provided in Appendix A hereto (as required by Attachment 6 of the Stipulation).**
 - b. **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 those 221 circuits during blue-sky, minor weather days, and major events, for the period of January 1, 2021 through July 31, 2021, is provided in Appendix B.**

Vegetation Management Circuit Performance Program Report

II. 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:

¹ See JCP&L's 2019 Annual System Performance Report ("ASPR"), which was submitted to the Board on May 29, 2020 pursuant to N.J.A.C. 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)).

Vegetation Management Circuit Performance Program Report

Twenty-one (21) circuits had 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 21 circuits is provided in Appendix C.

The primary cause of tree-related outages on these 21 circuits was due to off-ROW trees falling into electric facilities.

These 21 circuits are being reviewed by JCP&L forestry personnel. The review includes 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 are being conducted on these 21 circuits. These assessments will identify Hazard and Danger off-ROW trees for removal. JCP&L forestry staff will identify off-ROW Danger and Hazard² 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 trees³.

The Company started the review, assessment, and planning process for these 21 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 progress of the enhanced on-cycle work and off-ROW tree mitigation as of July 31, 2021, are provided in Appendix C.**

² See Attachment 6 in Appendix A for the definition of Danger and Hazard trees.

³JCP&L’s options under the law are strictly limited when it comes to all forms of off-right-of-way (“ROW”) tree management. However, JCP&L is legally permitted to identify priority off-ROW trees that are dead, dying, diseased, leaning, and significantly encroaching the corridor and remove those trees when customer consent is obtained or easement rights permit. JCP&L is very active in pursuing this option, where available.

Vegetation Management Circuit Performance Program Report

Appendix A

Attachment 6 Tree Reliability Reporting Template JCP&L

Blue-Sky

Reliability Performance	Baseline (2016-2019)	Year 1 (2020)	Year 2 (As of July 31, 2021)	Year 3 (2022)	Year 4 (2023)
Tree SAIFI	0.341	0.161	0.076		
System SAIFI	1.44	0.915	0.801		
Tree as % Contribution	24%	18%	9%		

Annual Outage Frequency and Duration

Metric	Year 1 (2020)	Year 2 (As of July 31, 2021)	Year 3 (2022)	Year 4 (2023)	% change
Customers Impacted (System) (#)	1,028,901	583,773			NA
Customers Impacted (Tree)	180,921	85,812			NA
Tree as % Contribution to SAIFI	18%	15%			NA
Customers Impacted (System) (min)	135,310,911	74,196,472			NA
Customers Impacted (Tree)	34,876,302	15,897,299			NA
Tree as % Contribution to SAIDI	26%	21%			NA

Vegetation Management Circuit Performance Program Report

Including Major Events

Metric	Year 1 (2020)	Year 2 (As of July 31, 2021)	Year 3 (2022)	Year 4 (2023)	% change
Customers Impacted (System) (#)	2,338,208	1,326,015			NA
Customers Impacted (Tree)	496,068	167,999			NA
Tree as % Contribution to SAIFI	21%	17%			NA
Customers Impacted (System) (min)	2,323,363,988	230,947,673			NA
Customers Impacted (Tree)	648,668,213	57,272,460			NA
Tree as % Contribution to SAIDI	28%	25%			NA

Vegetation Management Circuit Performance Program Report

Tree Trimming Metrics

Metric	Year 1 (2020) ³	Year 2 (As of July 31, 2021) ⁵	Year 3 (2022)	Year 4 (2023)	% change
Number of Hazard trees ¹ identified for removal	24,718	530			NA
Number of Hazard trees removed	24,710	530			NA
Number of Hazard tree removals denied by homeowners or other parties	8	0			NA
Number of Danger trees ² identified for removal	NA ⁴	4,047			NA
Number of Danger trees removed	NA ⁴	1,145			NA
Number of Danger tree removals denied by homeowners or other parties	NA ⁴	20			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 (N.J.A.C. 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 (N.J.A.C. 14:5-1.2)

³ The requirement to track and report Hazard trees for VMCP circuits identified for enhanced on-cycle work per Stipulation ¶39, is a new requirement under the Stipulation. JCP&L has not previously identified VMCP circuits prior to 2020 and, therefore, the total number of Hazard trees identified for removal, removed, and denied for removal, for all 1,187 JCP&L circuits were provided for 2020.

⁴ 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.

⁵ Beginning in 2021, the number of Hazard and Danger trees identified for removal, removed, and denied for removal, are provided for only those VMCP circuits identified for enhanced on-cycle work, included in Appendix C of this Report.

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 from January 1, 2021 through July 31, 2021

2021 YTD (through July 31, 2021)				
Substation Circuit	Circuit	SAIDI Blue-Sky ¹	SAIDI Minor Weather Days ²	SAIDI Major Events ³
Academy 37954	37954	84	0	81
Air Reduction 37860	37860	0	0	2
Air Reduction 37861	37861	0	0	75
Alderney 37731	37731	0	0	0
Alpha 27691	27691	51	129	1221
Andover 14704	14704	12	31	257
Andover 14706	14706	1	22	325
Andover 17702	17702	0	0	660
Baptistown 27720	27720	3	24	26
Bath Ave 53001	53001	0	0	0
Bernardsville 17531	17531	0	0	25
Blairstown 17655	17655	34	3	29
Blairstown 17656	17656	96	218	732
Boonton 33771	33771	34	0	0
Bradevelt 47173	47173	0	0	194
Branchville 17630	17630	0	0	0
Branchville 17632	17632	24	10	625
Briant Park 33776	33776	26	0	0
Briant Park 33780	33780	0	0	0
Broadway 27635	27635	23	36	26
Cedar Knolls 37789	37789	0	0	0
Change Bridge 37791	37791	0	0	0
Chapin Road 37929	37929	1	0	0
Chapin Road 37930	37930	0	0	0
Chester 17540	17540	6	1	27
Chester 17541	17541	2	13	397
Chester 17542	17542	0	2	2
Chester 17544	17544	0	7	0
Clark St 43099	43099	0	0	0
Convent 37797	37797	0	0	0
Convent 37800	37800	0	0	4
Convent 37801	37801	0	0	0

Vegetation Management Circuit Performance Program Report

2021 YTD (through July 31, 2021)				
Substation Circuit	Circuit	SAIDI Blue-Sky ¹	SAIDI Minor Weather Days ²	SAIDI Major Events ³
Convent 37802	37802	0	0	0
Cozy Lake 17735	17735	1	4	43
Cozy Lake 17737	17737	0	58	110
Cranbury 47182	47182	0	0	0
Cranbury 47196	47196	1	0	0
Crawfords Corner 47408	47408	0	0	0
Csc 37423	37423	0	7	0
Dead River 27501	27501	1	0	0
Dead River 27503	27503	0	0	0
Dead River 27504	27504	0	0	0
Depot 57095	57095	0	0	55
Drakestown 17100	17100	0	0	237
Drakestown 17101	17101	1	0	3
East Dover 14510	14510	0	0	0
East Flemington 27542	27542	0	0	0
Fadem Road 37900	37900	4	41	0
Fairhaven 54207	54207	0	28	0
Fairhaven 57205	57205	0	2	0
Flanders 17012	17012	12	0	26
Flanders 17013	17013	21	1	30
Flanders 17014	17014	9	0	2
Fleetwood 14001	14001	0	1	0
Fleetwood 14002	14002	1	0	0
Florham Park 37740	37740	0	0	0
Florham Park 37741	37741	92	0	4
Florham Park 37743	37743	0	0	36
Florham Park 37803	37803	0	0	0
Fox Hill 37810	37810	0	0	0
Fox Hill 37811	37811	22	0	9
Franklin 14539	14539	0	0	328
Freneau 47333	47333	0	0	0
Furnace Brook 27534	27534	27	9	10
Furnace Brook 27535	27535	12	5	6
Gilboa 24587	24587	3	1	175
Gillette 37940	37940	12	4	16
Gillette 37941	37941	1	0	7
Glen Gardner 27592	27592	11	30	270
Glen Gardner 27714	27714	20	16	107
Gordons Corner 47384	47384	12	0	0

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2021 YTD (through July 31, 2021)				
Substation Circuit	Circuit	SAIDI Blue-Sky ¹	SAIDI Minor Weather Days ²	SAIDI Major Events ³
Gordons Corner 47385	47385	0	0	0
Grandin 27706	27706	4	1	46
Great Adventure 67296	67296	11	0	1
Great Adventure 67297	67297	0	0	0
Green Village 37813	37813	0	0	1
Greystone 37758	37758	0	0	0
Hackettstown 14560	14560	62	12	2
Hamburg 17557	17557	37	13	0
Haskell 37823	37823	0	0	75
Hawks 27683	27683	7	10	10
Hayti 47390	47390	0	81	0
Herbertsville 57382	57382	0	0	0
Herbertsville 57383	57383	2	0	0
Holiday Lakes 17302	17302	50	43	498
Hooper Ave 67260	67260	0	0	0
Hooper Ave 67262	67262	0	0	0
Hopatcong 14635	14635	0	0	0
Hopatcong 14636	14636	0	0	0
Hopatcong 14637	14637	0	0	0
Hornerstown 67292	67292	0	0	76
Howell 47085	47085	0	0	0
Hurdstown 14614	14614	0	0	0
Hurdstown 17785	17785	0	5	231
Hurdstown 17786	17786	1	0	511
Hyson 67310	67310	0	0	0
Iloff 17203	17203	0	0	149
Jacksonville 33827	33827	5	7	15
Jerseyville 47483	47483	0	0	0
Kenvil 17626	17626	51	0	0
King George 37925	37925	0	0	0
Lakehurst 64324	64324	0	0	0
Landing 17740	17740	7	1	6
Landing 17743	17743	1	2	182
Lanes Mill 57315	57315	0	0	0
Larrabee 67349	67349	0	1	0
Laurelton 57041	57041	0	0	8
Laurelton 57042	57042	0	0	0
Laurelton 57044	57044	0	0	0
Lebanon 27411	27411	0	0	16

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2021 YTD (through July 31, 2021)				
Substation Circuit	Circuit	SAIDI Blue-Sky ¹	SAIDI Minor Weather Days ²	SAIDI Major Events ³
Lincroft 57170	57170	0	0	0
Little Silver 57456	57456	0	0	1
Lyons 17641	17641	0	0	0
Lyons 17642	17642	12	0	0
Manalapan 47350	47350	0	0	0
Manitou 67502	67502	5	0	0
Manitou 69507	69507	0	0	0
Marble Hill 24702	24702	0	0	0
Mc Guire 67047	67047	0	1	51
Mendham 17648	17648	18	58	10
Mid Monmouth 57365	57365	0	76	7
Millburn 33832	33832	1	1	15
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	4	0	0
Monmouth 57122	57122	0	0	0
Moore 24588	24588	8	357	74
Morris 14517	14517	0	0	1
Morris Plains 33843	33843	0	0	3
Morris Plains 33845	33845	0	0	4
Morristown 37849	37849	1	0	0
Morristown 37852	37852	0	47	1
Morristown 37853	37853	2	0	0
Morristown 37854	37854	0	0	0
Morristown 37855	37855	6	0	7
Morristown 37934	37934	1	0	0
Mount Pleasant 37927	37927	0	0	0
Mountain 37640	37640	0	0	0
Mountain 37642	37642	0	46	0
Mountain 37643	37643	0	0	0
Mt Fern 17729	17729	10	5	0
N Newton 14550	14550	140	2	1202
Netcong 17570	17570	1	0	232
Netcong 17571	17571	0	0	1
New Lisbon 67278	67278	0	0	22
New Lisbon 67312	67312	0	3	2

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2021 YTD (through July 31, 2021)				
Substation Circuit	Circuit	SAIDI Blue-Sky ¹	SAIDI Minor Weather Days ²	SAIDI Major Events ³
New Lisbon 67314	67314	0	0	0
North Branch 27606	27606	67	0	10
Okner 37871	37871	0	0	0
Old York 27801	27801	0	0	0
Peapack 17615	17615	2	131	9
Peapack 17616	17616	0	4	0
Pequest River 27665	27665	85	3	11
Pleasant Plains 67006	67006	0	0	0
Pompton 33753	33753	1	0	0
Port Murray 27730	27730	16	104	77
Port Murray 27731	27731	13	22	403
Raceway 47425	47425	30	0	0
Ridge 17028	17028	1	34	363
Ridge 17029	17029	15	4	57
Ringoes 24651	24651	0	0	2
Ringoes 24653	24653	4	33	2
Riverdale 37885	37885	0	4	401
Riverdale 37890	37890	2	0	2
Rockaway 14524	14524	0	139	0
Rosemont 24625	24625	43	119	43
Sayreville 43266	43266	0	0	0
Short Hills 33894	33894	0	0	0
Short Hills 33895	33895	0	6	11
Short Hills 37896	37896	0	0	0
Short Hills 37897	37897	1	0	2
Somerset 17698	17698	0	0	23
Somerset 17700	17700	0	0	21
South Lakewood 67491	67491	0	0	0
South Lakewood 67492	67492	0	0	0
South Lakewood 67495	67495	0	0	126
Sparta 17695	17695	0	0	192
Sparta 17696	17696	5	2	84
Sparta 17751	17751	4	0	27
Stanton 24403	24403	321	12	0
Stewartsville 24611	24611	56	2	65
Stirling 37957	37957	2	0	2
Summit 33962	33962	1	0	0
Summit 33969	33969	0	0	0
Summit 33970	33970	0	0	0

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2021 YTD (through July 31, 2021)				
Substation Circuit	Circuit	SAIDI Blue-Sky ¹	SAIDI Minor Weather Days ²	SAIDI Major Events ³
Taylor Lane 57037	57037	0	0	0
Texas Road 47286	47286	1	0	2
Texas Road 47287	47287	0	0	0
Traynor 33974	33974	0	0	659
Traynor 33978	33978	0	0	61
Traynor 33980	33980	0	0	0
Traynor 37972	37972	3	0	0
Traynor 37973	37973	0	0	19
Twin Rivers 47104	47104	0	0	2
Upton 67294	67294	0	0	0
Upton 67295	67295	2	0	0
Upton 67303	67303	0	2	0
Valley View 33983	33983	0	0	0
Valley View 33984	33984	0	0	0
Valley View 33985	33985	29	10	27
Valley View 33986	33986	0	7	1
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	2	0	4
Waverly 37990	37990	0	0	4
Waverly 37993	37993	4	0	0
West Flemington 24532	24532	0	0	0
Whitesville 53349	53349	0	1	0
Whitney 37736	37736	0	25	70
Whitney 37737	37737	12	0	14
Woodruffs Gap 14545	14545	0	0	9
Wyckoff 47193	47193	8	0	0
Wyckoff 47194	47194	0	0	0
Wyckoff 47195	47195	0	0	3

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

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 as of July 31, 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	In progress	8.66	0	In progress	38	1
Kittatinny	17576	Complete	Complete	47.75	0	Complete	96	853
Kittatinny	17577	Complete	Complete	65.30	23.29	Complete	173	1612
West Portal	24566	Complete	In progress	0	15.18	Not started		
West Portal	24567	Complete	In progress	0	19.21	Not started		
Rosemont	24586	Complete	Complete	46.11	0	Complete	52	229
Clinton	24671	Complete	Complete	13.52	2.00	In progress	12	114
Perryville	27034	Complete	In progress	31.55	0	In progress	0	113
Perryville	27035	Complete	In progress	28.15	3.61	In progress	0	12
Cherryville	27601	In Progress	In progress	0	7.42	Not started		
Cherryville	27602	In Progress	In progress	0	35.63	Not started		
Broadway	27634	Complete	In progress	0	30.62	Not started		
Jacksonville	33828	Complete	Complete	11.80	0	Complete	1	78
Lincoln Park	33946	Complete	Complete	6.54	0	Complete	33	77
Taylortown	37720	Complete	Complete	34.76	0.20	Complete	82	420
Change Bridge	37793	Complete	Complete	15.68	0	Complete	10	309
Freneau	47330	Complete	In progress	0	10.71	In progress	1	14
Raceway	47423	Complete	Complete	7.80	0	In progress	13	79
Fairhaven	54208	Complete	Complete	6	0.16	In progress	1	21
Little Silver	54453	Complete	Complete	7.46	0	In progress	14	32
Middletown	57460	Complete	In progress	4.60	8.85	In progress	4	83

Vegetation Management Circuit Performance Program Report

¹The assessment of tree-related outages includes a physical inspection of the circuit by a forester and an analysis of tree-related outages, including tree-related SAIDI performance in Zone 1 and Zone 2, to determine trees downstream of protective devices that have operated, that may be trimmed or removed to address tree-related outages. This assessment is performed to determine a work plan for enhanced on-cycle work to improve the circuit's tree-related SAIDI performance.

²Vegetation management activities include on-cycle tree trimming and/or removal and herbicide application as necessary.

³The off ROW assessment includes the identification of Hazard and Danger trees to be removed.

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

SERVICE LIST

Board of Public Utilities

Aida Camacho-Welch
Secretary of the Board
board.secretary@bpu.nj.gov

Paul Flanagan, Esq.
Executive Director
paul.flanagan@bpu.nj.gov

Robert Brabston, Esq.,
Deputy Executive Director
robert.brabston@bpu.nj.gov

Stacy Peterson
Director
Stacey.peterson@bpu.nj.gov

Abe Silverman, Esq.
Chief Counsel
Abe.silverman@bpu.nj.gov

Carol Artale, Esq.
Depute Chief Counsle
Carol.artale@bpu.nj.gov

David Brown
David.brown@bpu.nj.gov

Dean Taklif
Dean.Taklif@bpu.nj.gov

Cindy Bianco
Cindy.Bianco@bpu.nj.gov

Son-Lin Lai
Son.Lai@bpu.nj.gov

New Jersey Division of Rate Counsel:

Brian Lipman, Esq.,
Litigation Manager
blipman@rpa.nj.gov

Brian Weeks, Esq.
bweeks@rpa.nj.gov

Maria Novas-Ruiz, Esq.
mnovas-ruiz@rpa.nj.gov

Debora Layugan, Paralegal
dlayugan@rpa.nj.gov

Division of Law

Terel Klein
terel.klein@law.njoag.gov

Jersey Central Power & Light Company

Mark Mader
mamader@firstenergycorp.com

James E. O’Toole
jotoole@firstenergycorp.com

Lauren M. Lepkoski, Esq.
llepkoski@firstenergycorp.com