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ATTORNEYS BOARD OF PUBLIC UTILITIES
TRENTON, NJ

December 16, 2019

Via Hand Delivery

Hon. Aida Camacho-Welch
Secretary
Board of Public Utilities
44 South Clinton Avenue
Suite 314, 3rd Floor
Trenton, NJ 08625-0350

**RECEIVED
MAIL ROOM**

DEC 16 2019

**BOARD OF PUBLIC UTILITIES
TRENTON, NJ**

Re: I/M/O the Verified Petition of Jersey Central Power & Light Company for Approval of Rate Adjustments Pursuant to the JCP&L Reliability Plus Infrastructure Investment Program (September 2019 JCP&L Reliability Plus Rate Filing)
BPU Docket No. ER19091238

Dear Secretary Camacho-Welch:

On behalf of the Petitioner, Jersey Central Power & Light ("JCP&L" or the "Company"), enclosed herewith for filing with the Board of Public Utilities ("Board") in the above-captioned matter, please find an original and eleven copies of JCP&L's Update For Actuals to the Company's September 2019 filing consisting of updates to Schedules CP-1 through 5 and Attachment 3, items 4, 6 and 8.

Copies of all such documents are also being transmitted by e-mail to the persons named in the attached Service List for this proceeding. Hard copies will be furnished upon request.

Kindly stamp the enclosed extra copy of this transmittal letter as "filed" and return same to the undersigned in the enclosed self-addressed postage paid return envelope.

Thank you for your courtesy and cooperation.

Case mgmt

Respectfully submitted,

James C. Meyer
James C. Meyer

cc: Attached Service List ✓
(by email only)
5097328v1

IM/O the Verified Petition of Jersey Central Power & Light Company for Approval of Rate Adjustments Pursuant to the JCP&L
Reliability Plus Infrastructure Investment Program (September 2019 JCP&L Reliability Plus Rate Filing)
BPU Docket No. ER19091238

Service List [November 15, 2019]

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*Receives two hard copies of pleadings; #Only receives filed pleadings-no discovery; ▲Receives one hard copy of discovery.

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JCP&L RELIABILITY PLUS

BPU Docket No. ER19091238

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BOARD OF PUBLIC UTILITIES
TRENTON, NJ

UPDATE FOR ACTUALS

DECEMBER 16, 2019

Jersey Central Power & Light Company
Summary of Rider RP
For Rates Effective March 1, 2020

Line	March 1, 2020 through March 31, 2021	Refer to Attachment CP-1 Page 2, Line No(s).
<u>No.</u>		
1 Monthly Revenue Requirement as of November 30, 2019	\$ 293,191	11
2 12 months	12	
3 Annualized Rider RP Revenue Requirement (Line 1 X Line 2)	<u>\$ 3,518,287</u>	

**JERSEY CENTRAL POWER & LIGHT
REVENUE REQUIREMENT CALCULATION**

Tax Rate(a) 28.11%
Tax Factor 1.39

	Ratio	Rate	Pre-Tax	Post-Tax
Debt		55%	5.73%	3.15%
Equity		45%	9.60%	6.01%
			9.16%	7.47%

Line No.	Actual/Forecast	Month	Year	Rate Base Calculation					Monthly Revenue Requirement		
				Cumulative PIS	Cumulative Reserve	NBV	ADIT	Rate Base	Depreciation	Return	Total
1		January	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2		February	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3		March	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4		April	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5		May	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Actual	June	2019	\$0.00	\$0.00	\$0.00	-	\$0.00	\$0.00	\$0.00	\$0.00
7	Actual	July	2019	\$8,685,875.23	(\$11,041.68)	\$8,674,833.55	(4,526.17)	\$8,670,307.38	\$11,041.68	\$66,196.21	\$77,237.89
8	Actual	August	2019	\$8,284,851.10	(\$21,761.36)	\$8,263,089.74	(8,790.60)	\$8,254,299.14	\$10,719.68	\$63,020.07	\$73,739.75
9	Actual	September	2019	\$13,196,656.20	(\$40,418.25)	\$13,156,237.95	(15,138.59)	\$13,141,099.36	\$18,656.89	\$100,329.89	\$118,986.78
10	Actual	October	2019	\$21,278,075.25	(\$69,916.16)	\$21,208,159.09	(25,538.19)	\$21,182,620.90	\$29,497.91	\$161,725.44	\$191,223.35
11	Actual	November	2019	\$32,764,964.36	(\$114,143.46)	\$32,650,820.90	(41,887.87)	\$32,608,933.03	\$44,227.30	\$248,963.24	\$293,190.54

JERSEY CENTRAL POWER & LIGHT
FERC 361.2 DEPRECIATION CALCULATION

Book Deprec

Composite Distribution Rate (a) Years
1.500000% 66.6667

		In-Service Amounts	Monthly Book Depreciation					Monthly Book Depreciation					Total Depreciation
January	2019	\$ -	-	-	-	-	-	-	-	-	-	-	-
February	2019	\$ -	-	-	-	-	-	-	-	-	-	-	-
March	2019	\$ -	-	-	-	-	-	-	-	-	-	-	-
April	2019	\$ -	-	-	-	-	-	-	-	-	-	-	-
May	2019	\$ -	-	-	-	-	-	-	-	-	-	-	-
June	2019	\$ -	-	-	-	-	-	-	-	-	-	-	-
July	2019	\$ 8,184,475.54	-	-	-	-	-	-	10,230.59	-	-	-	10,230.59
August	2019	\$ (892,579.86)	-	-	-	-	-	-	10,230.59	(1,115.72)	-	-	9,114.87
September	2019	\$ (190,545.13)	-	-	-	-	-	-	10,230.59	(1,115.72)	(238.18)	-	8,876.69
October	2019	\$ 4,852,748.89	-	-	-	-	-	-	10,230.59	(1,115.72)	(238.18)	6,065.94	14,942.63
November	2019	\$ 4,211,626.76	-	-	-	-	-	-	10,230.59	(1,115.72)	(238.18)	6,065.94	5,264.53
													20,207.16

(a) Book depreciation rate is the depreciation rate approved in Verified Petition of JCP&L 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; and for Approval of an Accelerated Reliability Enhancement Program, OAL Docket No. PUC 16310-12N, BPU Docket No. ER12111052 (Order effective March 26, 2015.)

JERSEY CENTRAL POWER & LIGHT
FERC 362 DEPRECIATION CALCULATION

Book Deprec

Composite Distribution Rate (a) Years
1.250000% 80.0000

		In-Service Amounts	Monthly Book Depreciation						Monthly Book Depreciation			Total Depreciation
January	2019	\$ -	-	-	-	-	-	-	-	-	-	-
February	2019	\$ -	-	-	-	-	-	-	-	-	-	-
March	2019	\$ -	-	-	-	-	-	-	-	-	-	-
April	2019	\$ -	-	-	-	-	-	-	-	-	-	-
May	2019	\$ -	-	-	-	-	-	-	-	-	-	-
June	2019	\$ -	-	-	-	-	-	-	-	-	-	-
July	2019	\$ -	-	-	-	-	-	-	-	-	-	-
August	2019	\$ -	-	-	-	-	-	-	-	-	-	-
September	2019	\$ 112,260.95	-	-	-	-	-	-	-	-	116.94	116.94
October	2019	\$ 779,210.11	-	-	-	-	-	-	-	-	116.94	811.68
November	2019	\$ 3,966,710.94	-	-	-	-	-	-	-	-	116.94	811.68
												4,131.99
												5,060.61

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JERSEY CENTRAL POWER & LIGHT
FERC 364 DEPRECIATION CALCULATION

Book Deprec

Composite Distribution Rate (a) Years
2.150000% 46.5116

		In-Service Amounts	Monthly Book Depreciation						Monthly Book Depreciation				Total Depreciation
January	2019	\$ -	\$0.00										\$0.00
February	2019	\$ -	\$0.00	\$0.00									\$0.00
March	2019	\$ -	\$0.00	\$0.00	\$0.00								\$0.00
April	2019	\$ -	\$0.00	\$0.00	\$0.00	\$0.00							\$0.00
May	2019	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00						\$0.00
June	2019	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					\$0.00
July	2019	\$ 25,513.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.71				\$45.71
August	2019	\$ 17,067.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.71	\$30.58			\$76.29
September	2019	\$ 172,965.92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.71	\$30.58	\$309.90		\$386.19
October	2019	\$ 110,419.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.71	\$30.58	\$309.90	\$197.84	\$584.03
November	2019	\$ 37,714.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.71	\$30.58	\$309.90	\$197.84	\$651.60

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JERSEY CENTRAL POWER & LIGHT
FERC 365 DEPRECIATION CALCULATION

Book Deprec

Composite Distribution Rate (a) Years
1.930000% 51.8135

		In-Service Amounts	Monthly Book Depreciation							Monthly Book Depreciation				Total Depreciation
January	2019	\$ -	\$0.00											\$0.00
February	2019	\$ -	\$0.00	\$0.00										\$0.00
March	2019	\$ -	\$0.00	\$0.00	\$0.00									\$0.00
April	2019	\$ -	\$0.00	\$0.00	\$0.00	\$0.00								\$0.00
May	2019	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00							\$0.00
June	2019	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00						\$0.00
July	2019	\$ 475,885.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$765.38					\$765.38
August	2019	\$ 474,488.11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$765.38	\$763.14				\$1,528.52
September	2019	\$ 4,810,008.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$765.38	\$763.14	\$7,736.10			\$9,264.62
October	2019	\$ 2,323,569.93	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$765.38	\$763.14	\$7,736.10	\$3,737.07		\$13,001.69
November	2019	\$ 3,258,861.13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$765.38	\$763.14	\$7,736.10	\$3,737.07	\$5,241.33	\$18,243.02

(a) Book depreciation rate is the depreciation rate approved in Verified Petition of JCP&L 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; and for Approval of an Accelerated Reliability Enhancement Program, OAL Docket No. PUC 16310-12N, BPU Docket No. ER12111052 (Order effective March 26, 2015.)

JERSEY CENTRAL POWER & LIGHT
FERC 368 DEPRECIATION CALCULATION

Book Deprec

Composite Distribution Rate (a) Years
2.420000% 41.3223

		In-Service Amounts		Monthly Book Depreciation					Monthly Book Depreciation					Total Depreciation
January	2019	\$	-	\$0.00										\$0.00
February	2019	\$	-	\$0.00	\$0.00									\$0.00
March	2019	\$	-	\$0.00	\$0.00	\$0.00								\$0.00
April	2019	\$	-	\$0.00	\$0.00	\$0.00	\$0.00							\$0.00
May	2019	\$	-	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00						\$0.00
June	2019	\$	-	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					\$0.00
July	2019	\$	-	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00				\$0.00
August	2019	\$	-	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			\$0.00
September	2019	\$	5,236.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10.56			\$10.56
October	2019	\$	12,783.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10.56	\$25.78		\$36.34
November	2019	\$	11,803.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10.56	\$25.78	\$23.80	\$60.14

(a) Book depreciation rate is the depreciation rate approved in Verified Petition of JCP&L 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; and for Approval of an Accelerated Reliability Enhancement Program, OAL Docket No. PUC 16310-12N, BPU Docket No. ER12111052 (Order effective March 26, 2015.)

JERSEY CENTRAL POWER & LIGHT
FERC 369 DEPRECIATION CALCULATION

Book Deprec	Composite Distribution	Rate (a)	Years	In-Service Amounts	Monthly Book Depreciation	Monthly Book Depreciation	Monthly Book Depreciation	Total Depreciation
		1.210000%	82.6446					
January 2019 \$	-	\$0.00						\$0.00
February 2019 \$	-	\$0.00						\$0.00
March 2019 \$	-	\$0.00			\$0.00			\$0.00
April 2019 \$	-	\$0.00			\$0.00			\$0.00
May 2019 \$	-	\$0.00			\$0.00	\$0.00		\$0.00
June 2019 \$	-	\$0.00			\$0.00	\$0.00		\$0.00
July 2019 \$	-	\$0.00			\$0.00	\$0.00	\$0.00	\$0.00
August 2019 \$	-	\$0.00			\$0.00	\$0.00	\$0.00	\$0.00
September 2019 \$	1,877.89	\$0.00			\$0.00	\$0.00	\$1.89	\$1.89
October 2019 \$	2,687.02	\$0.00			\$0.00	\$0.00	\$1.89	\$4.60
November 2019 \$	172.11	\$0.00			\$0.00	\$0.00	\$1.89	\$4.77

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JERSEY CENTRAL POWER & LIGHT
TAX DEPRECIATION CALCULATION

		In-Service Amounts	Monthly Tax Depreciation							Monthly Tax Depreciation				Total Depreciation (a)
January	2019	\$ -	-	-	-	-	-	-	-	-	-	-	-	\$0
February	2019	\$ -	-	-	-	-	-	-	-	-	-	-	-	\$0
March	2019	\$ -	-	-	-	-	-	-	-	-	-	-	-	\$0
April	2019	\$ -	-	-	-	-	-	-	-	-	-	-	-	\$0
May	2019	\$ -	-	-	-	-	-	-	-	-	-	-	-	\$0
June	2019	\$ -	-	-	-	-	-	-	-	-	-	-	-	\$0
July	2019	\$ 8,685,875.23	-	-	-	-	-	-	-	27,143.33	-	-	-	\$27,143
August	2019	\$ (401,024.13)	-	-	-	-	-	-	-	27,143.33	(1,253.17)	-	-	\$25,890
September	2019	\$ 4,911,805.10	-	-	-	-	-	-	-	27,143.33	(1,253.17)	15,349.42	-	\$41,240
October	2019	\$ 8,081,419.05	-	-	-	-	-	-	-	27,143.33	(1,253.17)	15,349.42	25,254.42	\$66,494
November	2019	\$ 11,486,889.11	-	-	-	-	-	-	-	27,143.33	(1,253.17)	15,349.42	25,254.42	35,896.50
														\$102,391

Notes: (a) Assumes MACRS 20-year property class.

RP Rate Derivation and Proof of Revenues

Proposed Rider RP for Recovery Period March 1, 2020 through March 31, 2021

RP Revenue Requirement - Monthly \$293,191
RP Revenue Requirement for 12 Months \$3,518,287

RP Allocation (1)

	TOTAL	RS	RT/RGT	GS	GST	GP	GT	LTG
Non Customer-related Distribution Revenues	\$ 517,256,161	\$ 262,598,194	\$ 6,378,234	\$ 182,242,425	\$ 13,118,862	\$ 28,404,688	\$ 18,787,113	\$ 5,726,645
% of Non Customer-related Revenues	100.0%	50.8%	1.2%	35.2%	2.5%	5.5%	3.6%	1.1%
RP Revenue Requirements Allocation	\$3,518,287	\$1,786,148	\$43,384	\$1,239,581	\$89,232	\$193,204	\$127,787	\$38,952
<u>Projected 12 Months Units for Recovery (2)</u>								
Total kWh		9,022,591,875	209,942,318	6,639,525,853				
Total kW					1,340,685	3,871,593	4,746,861	
Total # of Fixture								2,544,109
RP Rate (\$/kWh)		\$0.000198	\$0.000207	\$0.000187				
RP Rate (\$/kWh with SUT)		\$0.000211	\$0.000221	\$0.000199				
RP Rate (\$/kW)					\$0.07	\$0.05	\$0.03	
RP Rate (\$/kW with SUT)					\$0.07	\$0.05	\$0.03	
RP Rate (\$/Fixture)								\$0.02
RP Rate (\$/Fixture with SUT)								\$0.02

Proof of Revenues

RP Revenue Recovered through RP Rates	\$3,552,238	\$1,786,473	\$43,458	\$1,241,591	\$93,848	\$193,580	\$142,406	\$50,882
Difference from RP Revenue Requirements	\$33,951	\$326	\$74	\$2,010	\$4,616	\$376	\$14,619	\$11,931
\$/kWh, \$/kW or \$/Fixture		\$0.0000000	\$0.0000004	\$0.0000003	\$0.003	\$0.000	\$0.003	\$0.005

Note:

(1) Based on Distribution Revenue (excluding Customer Charge/Fixture Charge) per JCP&L "2016 Base Rate Filing" in Docket No. ER16040383 Order dated December 12, 2016

(2) Forecast From March 2020 to February 2021

JERSEY CENTRAL POWER & LIGHT COMPANY

BPU No. 12 ELECTRIC - PART III

Original Sheet No. 62

<p align="center">Rider RP JCP&L Reliability Plus Charge</p>

APPLICABILITY: Rider RP provides for full and timely recovery of revenue requirements associated with reliability infrastructure investment projects subject to the Infrastructure Investment and Recovery regulations pursuant to N.J.A.C. 14:3-2A.1 *et seq.* and as approved by the BPU Order dated May 8, 2019 in Docket No. EO18070728.

The JCP&L Reliability Plus (RP) Charge is applicable to Service Classifications RS (Residential Service), RT (Residential Time-of-Day), RGT (Residential Geothermal & Heat Pump), GS (General Service Secondary), GST (General Service Secondary Time-of-Day), GP (General Service Primary), GT (General Service Transmission), OL (Outdoor Lighting), SVL (Sodium Vapor Street Lighting), MVL (Mercury Vapor Street Lighting), ISL (Incandescent Street Lighting) and LED (LED Street Lighting) and for all usage (KWH, KW or per Fixture) of any Full Service Customer or Delivery Service Customer, as follows:

<u>Service Classification</u>	<u>RP Charge (Including SUT)</u>
RS	\$0.000211 per KWH
RT/RGT	\$0.000221 per KWH
GS	\$0.000199 per KWH
GST	\$0.07 per KW
GP	\$0.05 per KW
GT	\$0.03 per KW
Lighting (OL, SVL, MVL, SVL and LED)	\$0.02 per Fixture

The Company will make periodic filings to reset the RP Charges. The initial recovery period will include actual capital investments with in-service dates between June 1, 2019 and November 30, 2019 and will be filed no later than September 15, 2019 with an effective date on or before March 1, 2020. All subsequent filings will adhere to the Company's recovery periods as approved in the above referenced BPU Order and in accordance with N.J.A.C. 14:3-2A.1 *et seq.*

 Issued:

Effective:

Filed pursuant to Order of Board of Public Utilities
 Docket No. dated

Issued by James V. Fakult, President
 300 Madison Avenue, Morristown, NJ 07962-1911

Summary of Customer Impact

Residential Average Bill (Includes 6.625% Sales and Use Tax)			
	Current Monthly Bill (1)	Proposed Monthly Bill (2)	Proposed Monthly Increase
<u>Residential (RS)</u>			
500 kWh average monthly usage	\$64.09	\$64.20	\$0.11
1000 kWh average monthly usage	\$132.55	\$132.76	\$0.21
1500 kWh average monthly usage	\$202.83	\$203.15	\$0.32
<u>Residential Time of Day (RT)</u>			
500 kWh average monthly usage	\$72.84	\$72.95	\$0.11
1000 kWh average monthly usage	\$140.50	\$140.72	\$0.22
1500 kWh average monthly usage	\$208.15	\$208.48	\$0.33
Overall Class Average Per Customer (Includes 6.625% Sales and Use Tax)			
	Current Monthly Bill (1)	Proposed Monthly Bill (2)	Proposed % Increase
<u>Rate Class</u>			
Residential (RS)	\$103.93	\$104.10	0.2%
Residential Time of Day (RT/RGT)	\$152.03	\$152.28	0.2%
General Service – Secondary (GS)	\$590.37	\$591.26	0.2%
General Service - Secondary Time of Day (GST)	\$31,397.29	\$31,444.11	0.1%
General Service – Primary (GP)	\$37,440.04	\$37,483.01	0.1%
General Service – Transmission (GT)	\$98,408.64	\$98,495.93	0.1%
Lighting (Average Per Fixture)	\$10.50	\$10.52	0.2%

{1} Rates effective 12/1/2019

(2) Proposed Rates effective March 1, 2020

Jersey Central Power & Light
Statement of Income - Delivery
Earnings Test

Twelve Months ended September 2019

Line No.		Adjusted
1	Operating Revenues	<u>\$567,614,195</u>
2	Operations and Maintenance	\$222,314,861
3	Depreciation & Amortization Expense	127,949,040
4	Taxes Other Than Income Taxes	8,680,824
5	Regulatory Debit	25,854,353
6	Regulatory Credit	(3,560,593)
7	Income Taxes	<u>\$33,598,754</u>
8	Total Operating Expenses	<u>\$414,837,239</u>
9	Operating Income	<u>\$152,776,956</u>
10	Interest Expense	\$66,382,994
11	Net Income	\$86,393,963
12	RETURN ON AVERAGE EQUITY (Associated with Proprietary Capital)	3.23%

			<u>Distr Alloc b/</u>	<u>Distr M-T-M</u>
13	<u>Ratemaking Adjustment to O&M:</u>			
14	Remove O&M M-to-M expense add delayed recognition:	Pension O&M	\$5,110,546	
15		OPEB O&M	<u>\$56,562,145</u>	
16			<u>\$ 61,672,691</u>	<u>\$ 56,356,505</u>
17		28.11%	91.38%	<u>(\$15,841,814)</u>
18	Increase to Income taxes			<u>\$ 40,514,692</u>
19	After tax expense impact from the mark-to-market adjustment			

	Equity:	Amount (9/30/18)	Amount (9/30/19)	Distribution %	Avg Dist Equity
18	Common Stock	\$136,284,470	\$136,284,470		
19	Premium on Common Stock	\$2,665,143,711	\$2,665,143,901		
20	Other Paid-In Capital	\$45,092,321	\$49,929,047		
21	Retained Earnings	\$649,377,411	\$784,596,451		
22	Unappropriated Retained Earnings	(\$37,689)	(\$41,538)		
23	Accumulated Other Comprehensive Income	(\$2,059,996)	(\$5,574,727)		
24	Total Proprietary Capital	<u>\$3,493,800,228</u>	<u>\$3,630,337,604</u>	<u>75.16%</u>	<u>\$2,677,250,997</u>

JCP&L Infrastructure Investment
Update for Actuals
Attachment 3 – Minimum Filing Requirements
(per Stipulation Attachment D)

4. Overall approved JCP&L Reliability Plus capital budget broken down by major categories, both budgeted and actual amounts.

IIP Program Category / Project	Overall Approved Program	In-Service Actuals Through Nov 2019
Circuit Reliability and Resiliency	\$55,127,636	\$20,847,755
Lateral Fuse Replacement with TripSaver II	\$10,382,107	\$4,682,029
Zone 2 Enhancement Vegetation Management	\$44,745,529	\$16,165,726
Substation Reliability Enhancement	\$16,124,620	\$4,858,182
Substation Enhanced Flood Mitigation	\$4,718,048	\$1,761,351
Substation Equipment Replacement (Switchgear)	\$3,693,750	\$1,484,780
Mobile Substation Purchase	\$2,200,000	\$0
Modernize Protective Equipment	\$5,512,822	\$1,612,051
Distribution Automation	\$25,757,664	\$7,059,027
Circuit Protection and Sectionalization	\$5,237,236	\$1,288,147
Install SCADA Line Devices	\$15,347,560	\$4,616,843
Distribution Automation (Loop Schemes)	\$3,545,368	\$1,154,037
RTU Upgrades in Substations	\$1,627,500	\$0
IIP Program Total	\$97,009,920	\$32,764,964

JCP&L Infrastructure Investment
Update for Actuals
Attachment 3 – Minimum Filing Requirements
(per Stipulation Attachment D)

6. For each of the ten JCP&L Reliability Plus project:
- The original project summary for each project;
 - Expenditures incurred to date; and
 - Appropriate metric (e.g., relays installed);
 - Work completed, including identified tasks completed, e.g., design phase, material procurement, permit gathering, phases of construction, etc.

IIP Program Category / Project	Overall Approved Program	Program Expenditures ¹ Through Nov 2019	Metric	In Service Through Nov 2019
Circuit Reliability and Resiliency	\$55,127,636	\$21,341,483		
Lateral Fuse Replacement with TripSaver II	\$10,382,107	\$5,175,756	Number of TripSaver II project components	295
Zone 2 Enhancement Vegetation Management	\$44,745,529	\$16,165,726	Number of circuits with Zone 2 clearance	60
Substation Reliability Enhancement	\$16,124,620	\$5,683,435		
Substation Enhanced Flood Mitigation	\$4,718,048	\$1,849,954	Number of substation flood wall components	1
			Number of pumps	0
Substation Equipment Replacement (Switchgear)	\$3,693,750	\$1,503,460	Number of substation switchgear	1
Mobile Substation Purchase	\$2,200,000	\$8,395	Number of mobile substations	0
Modernize Protective Equipment	\$5,512,822	\$2,321,626	Number of relays	12
Distribution Automation	\$25,757,664	\$8,710,010		
Circuit Protection and Sectionalization	\$5,237,236	\$1,944,919	Number of reclosers	30
Install SCADA Line Devices	\$15,347,560	\$5,558,288	Number of SCADA line devices	103
Distribution Automation (Loop Schemes)	\$3,545,368	\$1,172,881	Number of loop scheme project components	8
RTU Upgrades in Substations	\$1,627,500	\$33,922	Number of RTUs	0
IIP Program Total	\$97,009,920	\$35,734,928		

¹Total dollars spent.

JCP&L Infrastructure Investment
Update for Actuals
Attachment 3 – Minimum Filing Requirements
(per Stipulation Attachment D)

8. A narrative discussion of the effectiveness of the project in improving system performance; including identification of improved facilities (including specific feeders), where appropriate.

As of November 30, 2019, JCP&L has completed the following work on the JCP&L Reliability Plus projects:

- **Lateral Fuse Replacement with TripSaver II:** 295 TripSaver II project components have been installed and placed in service. TripSaver II reclosers will reduce sustained outages by enabling the restoration of service in less than ninety seconds to customers on laterals when a temporary fault occurs.
- **Zone 2 Enhancement Vegetation Management:** Enhanced vegetation management has been completed within the Zone 2 on 60 circuits. This Zone 2 enhanced vegetation management involves the removal of overhang on selected circuits in the portion of the circuit from the first protective device to the end of the three-phase portion of the circuit, utilizing the same vegetation methods and practices that are currently used in Zone 1. This enhanced vegetation management will reduce the potential for tree damage and resulting outages and road closures during severe weather events.
- **Substation Enhanced Flood Mitigation:** The Company install permanent flood walls and automatic flood gates at one substation. These permanent flood walls and automatic flood gates will enhance the substation protection against storm surges. They will reduce the time-consuming, labor-intensive task of closing the substation entrance with temporary barriers prior to forecasted storms. In addition, four pumps have been ordered and are expected to be received in December 2019 and be ready for use to mitigate water intrusion into substations when needed.
- **Substation Equipment Replacement (Switchgear):** The Company has replaced substation switchgear with vacuum circuit breakers at one substation. Replacement of switchgear programmatically will avoid expensive emergency replacements which can result in prolonged outages.
- **Modernized Protective Equipment:** The Company has installed and placed in service twelve new relays. The replacement of electro-mechanical relays with new equipment that reflects currently available technology will provide increased monitoring and protection. These new microprocessor-based relays can also be interrogated to determine fault information and better locate faults, contributing to shorter outage durations.
- **Circuit Protection and Sectionalization:** The Company has installed and placed in service thirty, three-phase reclosers. These reclosers will provide greater operational flexibility and capacity during emergency conditions.
- **Install SCADA Line Devices:** 103 SCADA line devices (reclosers) have been installed and placed in service. These modernized reclosers increase safety and reliability and decreases operational costs and reduce the duration of many customer outages caused by temporary faults by replacing fuses with reclosers.
- **Distribution Automation (Loop Schemes):** Eight loop schemes have been constructed and placed in service. The loop schemes target critical customers and enables a customer on an enhanced loop scheme that experiences an outage to be automatically transferred to an adjacent circuit to restore service.

Additionally, JCP&L notes the following regarding two JCP&L Reliability Plus Projects:

- **Mobile Substation Purchase:** The delivery of a mobile substation is planned for 2020. Once received, the mobile substation will be readily available to support emergency restoration plans as well as to support JCP&L Reliability Plus construction, planned maintenance activities, corrective maintenance, and planned capital improvement projects.
- **RTU Upgrades in Substations:** The Company is working to finalize the design specifications for new RTUs. The installation of new RTUs is expected to be completed in 2020. These RTU upgrades will enhance reliability by allowing real-time monitoring of loads, voltage, and power factor at select substations that serve higher than average number of customers and/or load.