



**FORWARD  
CASE MANAGEMENT**  
December 12, 2019

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VIA OVERNIGHT DELIVERY AND E-MAIL  
BOARD OF PUBLIC UTILITIES  
TRENTON, NJ**

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**DEC 13 2019**

**BOARD OF PUBLIC UTILITIES  
TRENTON, NJ**

**Re: In the Matter of the Provision of Basic Generation Service for Year Two of the  
Post-Transition Period**

**-and-**

**In the Matter of the Provision of Basic Generation Service for the Period  
Beginning June 1, 2017**

**-and-**

**In the Matter of the Provision of Basic Generation Service for the Period  
Beginning June 1, 2018**

**-and-**

**In the Matter of the Provision of Basic Generation Service for the Period  
Beginning June 1, 2019**

**Docket Nos. EO03050394, ER17040335, ER18040356, ER19040428**

**Compliance Tariff Filing Reflecting Changes to Schedule 12 Charges in PJM  
Open Access Transmission Tariff Docket No.**

Dear Secretary Camacho-Welch:

Enclosed for filing on behalf of Jersey Central Power & Light Company ("JCP&L"), Atlantic City Electric Company ("ACE"), Public Service Electric and Gas Company ("PSE&G"), and Rockland Electric Company ("RECO") (collectively, the "EDCs"), please find an original and ten copies of tariff sheets and supporting exhibits that reflect proposed changes to the PJM Open Access Transmission Tariff ("OATT") made in response to the formula rate filing made by JCP&L in Federal Energy Regulatory Commission ("FERC") Docket No. ER20-227-000.

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DAG  
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LEGAL439472472

### **Background**

In its Orders dated October 22, 2003 (BPU Docket No. EO03050394) and October 22, 2004 (BPU Docket No. EO04040288), the New Jersey Board of Public Utilities ("Board" or "BPU") authorized the EDCs to recover FERC-approved changes in firm transmission service-related charges. The Board has also authorized recovery of FERC-approved changes in firm transmission service-related charges in subsequent orders approving the Basic Generation Service ("BGS") supply procurement process and the associated Supplier Master Agreement ("SMA"). In subsequent Board Orders, the BPU approved Section 15.9 of the SMAs, which authorizes the EDCs to increase or decrease the rates paid to BGS suppliers for FERC-approved rates and changes to Firm Transmission Service once approved by the Board.

On October 30, 2019, JCP&L made a filing with FERC under Section 205 of the Federal Power Act requesting approval of a formula rate revenue requirement used to establish the Network Integration Transmission Service ("NITS") rate charged for the JCP&L zone and the Transmission Enhancement Charge ("TEC") revenue requirements under the PJM Open Access Transmission Tariff ("PJM OATT"). The proposed formula rate will be an increase compared to JCP&L's current stated transmission rate. JCP&L requested a rate effective date of January 1, 2020 and anticipates a FERC order ruling on JCP&L's filing prior to December 31, 2019.

The EDCs are making this filing pursuant to the BGS Supplier Master Agreement ("SMA"), Section 15.9, which provides in pertinent part:

#### **15.9 Changes in Transmission Charges for Firm Transmission Service**

(a) If during the term of this Agreement, a filing is made with the FERC to increase or decrease the charges for Firm Transmission Service, including any charge or surcharge imposed on customers receiving Firm Transmission Service, or if the charges for Firm Transmission Service are adjusted pursuant to a FERC-authorized formula rate, then the following procedures shall apply:

(i) within forty-five (45) days of the date upon which the rate change filing or formula rate informational filing is made with the FERC, the Company will notify the BGS-RSCP Suppliers that such rate filing has been made, and will seek approval from the Board to increase or decrease the charges to BGS-RSCP Customers by the amount of such rate adjustment for Firm Transmission Service;

The EDCs' pro-forma tariff sheets, included as Attachment 2a (JCP&L), Attachment 3 (PSE&G), Attachment 4 (ACE) and Attachment 5 (RECO), propose effective dates of January 1, 2020, and specifically reflect changes to BGS rates applicable to Basic Generation Service – Residential Small Commercial Pricing ("BGS-RSCP"), and Commercial and Industrial Energy ("BGS-CIEP") customers resulting from the JCP&L formula rate case filed with FERC on October 30, 2019. The specific additional PJM transmission charges related to the JCP&L filing will be found in Schedule 12 of the PJM OATT. Once FERC issues an order approving the implementation of JCP&L's proposed formula transmission rate, PJM will update its Schedule 12 Transmission Enhancement Worksheet, which, along with Schedule 12 and Attachment H-4 of

the PJM OATT, will incorporate the formula rate updates referenced herein. Because, upon FERC approval, BGS suppliers will begin paying these increased transmission charges in January 2020, the EDCs request a waiver of the 30-day filing requirement.

The Schedule 12 charges, also defined as TECs in the PJM OATT, were implemented to compensate transmission owners for the annual transmission revenue requirements for "Required Transmission Enhancements" (again, as defined in the PJM OATT) that are requested by PJM for reliability or economic purposes. TECs are recovered by PJM through an additional transmission charge in the transmission zones assigned cost responsibility for Required Transmission Enhancement projects.

### **Request for Board Approval**

The EDCs respectfully request approval to implement these revised tariff rates effective January 1, 2020. In support of this request, the EDCs have included pro-forma tariff sheets as noted above. The BGS rates have been modified in accordance with the Board-approved methodology contained in each EDC's Company-Specific Addendum in the above-referenced BGS proceedings and in conformance with each EDC's Board-approved BGS tariff sheets.

The determinants for calculation of the PJM charges will be set forth in Schedule 12 of the PJM OATT and on the Formula Rates page of the PJM website. Copies of JCP&L's formula rate schedules are attached, but, upon FERC approval, will also be found on the PJM website at: <http://www.pjm.com/markets-and-operations/billing-settlements-and-credit/formula-rates.aspx>. Attachment 1 shows the derivation of the JCP&L Network Integration Transmission Service Charge. Attachments 2(a) and 2(b) show the JCP&Ls pro-forma tariff sheets and the translation of JCP&L's NITS charge into retail customer rates. The translation of the transmission zone rate impact to the BGS rates of each of the other EDCs, assuming implementation on January 1, 2020, is included as Attachments 3, 4, and 5 for PSE&G, ACE, and RECO, respectively. Attachment 6 shows the cost impact of the JCP&L Schedule 12 Project Charges for the January through December 2020 period for each of the EDCs. Attachment 7 provides excerpts of the Schedule 12 OATT indicating the responsible share of each such Project. Attachment 8 provides details regarding the formula rate filing for JCP&L.

The EDCs also request that BGS Suppliers be compensated for the changes to the OATT resulting from the implementation of the JCP&L project annual formula updates effective on January 1, 2020. Suppliers will be compensated subject to the terms and conditions of the applicable SMAs. Any differences between payments to BGS-RSCP and BGS-CIEP Suppliers and charges to customers will flow through BGS Reconciliation Charges.

This filing satisfies the requirements of ¶¶ 15.9 (a)(i) and (ii) of the BGS-RSCP and BGS-CIEP SMAs, which mandate that BGS-RSCP and BGS-CIEP Suppliers be notified of rate increases for firm transmission service, and that the EDCs file for and obtain Board approval of an increase in retail rates commensurate with the FERC-implemented rate increase.

We thank the Board for all courtesies extended.

Respectfully submitted,

COZEN O'CONNOR

A handwritten signature in cursive script, appearing to read "Gregory Eisenstark".

By: Gregory Eisenstark

Attorney for JCP&L and on behalf of ACE, PSE&G and RECO

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## **Attachment 1**

### **Derivation of JCP&L Network Integration Transmission Service Charge**

## Attachment 1 - JCP&L Network Integration Transmission Service Calculation

Derived Network Integration Transmission Service Rate Applicable to JCP&L Customers - Effective January 1, 2020 through December 31, 2020

Line #	Description	Rate	Source
			Attachment 8, Page 1
(1)	Network Integration Transmission Service	\$147,518,299	(Attachment H-4A) Line 10
(2)	JCP&L Customer Share of Schedule 12 TEC	\$8,826,390	Attachment 6, Column g
(3)	Total Transmission Costs Borne by JCP&L Customers	\$156,344,689	=(1) + (2)
(4)	2020 JCP&L Network Service Peak	6,057.1 MW	PJM network service peak loads for 2020
(5)	2020 Derived Network Integration Transmission Service Rate	\$25,811.81 per MW-year	
	Resulting 2020 BGS Firm Transmission Service Supplier Rate	\$70.52 per MW-day	= (6)/366

Per PJM Filing, Docket No. ER20-227-000, dated October 30, 2019 on behalf of JCPL



## **Attachment 2 – JCP&L Tariffs and Rate Translation**

### **Attachment 2a**

#### **Pro-forma JCP&L Tariff Sheets**

### **Attachment 2b**

#### **JCP&L Translation of NITS Charge into Customer Rates**

**Attachment 2a**

**Pro-forma JCP&L Tariff Sheets**

BPU No. 12 ELECTRIC - PART III

XX Rev. Sheet No. 3  
Superseding XX Rev. Sheet No. 3**Service Classification RS  
Residential Service**

**APPLICABLE TO USE OF SERVICE FOR:** Service Classification RS is available for: (a) Individual Residential Structures; (b) separately metered residences in Multiple Residential Structures; (c) incidental use for non-residential purposes when included along with the residence; and/or (d) Auxiliary Residential Purposes whether metered separately from the residence or not.

This Service Classification is optional for customers which elect to be billed hereunder rather than under Service Classification RT. (Also see Part II, Section 2.03)

**CHARACTER OF SERVICE:** Single-phase service, with limited applications of three-phase service, at secondary voltages.

**RATE PER BILLING MONTH (All charges include Sales and Use Tax as provided in Rider SUT):** All charges are applicable to Full Service Customers. All charges, excluding Basic Generation Service (default service), are applicable to Delivery Service Customers.

**BASIC GENERATION SERVICE (default service):**

- 1) **BGS Energy and Reconciliation Charges as provided in Rider BGS-RSCP (Basic Generation Service – Residential Small Commercial Pricing) (formerly Rider BGS-FP)**
- 2) **Transmission Charge: \$0.008758** per KWH for all KWH including Water Heating

**DELIVERY SERVICE (Customer and Distribution charges include Corporation Business Tax as provided in Rider CBT):**

- 1) **Customer Charge: \$2.78** per month  
**Supplemental Customer Charge: \$1.45** per month Off-Peak/Controlled Water Heating
- 2) **Distribution Charge:**

**June through September:**

**\$0.015108** per KWH for the first 600 KWH (except Water Heating)  
**\$0.059743** per KWH for all KWH over 600 KWH (except Water Heating)

**October through May:**

**\$0.024749** per KWH for all KWH (except Water Heating)

**Water Heating Service:**

**\$0.016517** per KWH for all KWH for Off-Peak Water Heating  
**\$0.021756** per KWH for all KWH for Controlled Water Heating

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**Service Classification RT  
Residential Time-of-Day Service**

**APPLICABLE TO USE OF SERVICE FOR:** Service Classification RT is available for: (a) Individual Residential Structures; (b) separately metered residences in Multiple Residential Structures; (c) incidental use for non-residential purposes when included along with the residence; and/or (d) Auxiliary Residential Purposes whether metered separately from the residence or not.

This Service Classification is optional for customers which elect to be billed hereunder rather than under Service Classification RS. (Also see Part II, Section 2.03)

**CHARACTER OF SERVICE:** Single-phase service, with limited applications of three-phase service, at secondary voltages.

**RATE PER BILLING MONTH (All charges include Sales and Use Tax as provided in Rider SUT):**  
All charges are applicable to Full Service Customers. All charges, excluding Basic Generation Service (default service), are applicable to Delivery Service Customers.

**BASIC GENERATION SERVICE (default service):**

- 1) **BGS Energy and Reconciliation Charges as provided in Rider BGS-RSCP (Basic Generation Service – Residential Small Commercial Pricing) (formerly Rider BGS-FP)**
- 2) **Transmission Charge: \$0.008758** per KWH for all KWH on-peak and off-peak

**DELIVERY SERVICE (Customer and Distribution charges include Corporation Business Tax as provided in Rider CBT):**

- 1) **Customer Charge: \$5.19** per month  
**Solar Water Heating Credit: \$1.30** per month
- 2) **Distribution Charge:**  
\$0.046298 per KWH for all KWH on-peak for June through September  
\$0.034008 per KWH for all KWH on-peak for October through May  
\$0.021627 per KWH for all KWH off-peak
- 3) **Non-utility Generation Charge (Rider NGC): (See Rider NGC for any applicable St. Lawrence Hydroelectric Power credit)**  
\$0.000492 per KWH for all KWH on-peak and off-peak
- 4) **Societal Benefits Charge (Rider SBC):**  
\$0.007013 per KWH for all KWH on-peak and off-peak
- 5) **RGGI Recovery Charge (Rider RRC):**  
See Rider RRC for rate per KWH for all KWH on-peak and off-peak
- 6) **Storm Recovery Charge (Rider SRC):**  
See Rider SRC for rate per KWH for all KWH on-peak and off-peak
- 7) **Zero Emission Certificate Recovery Charge (Rider ZEC):**  
See Rider ZEC for rate per KWH for all KWH on-peak and off-peak
- 8) **Tax Act Adjustment (Rider TAA):**  
See Rider TAA for rate per KWH for all KWH on-peak and off-peak

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BPU No. 12 ELECTRIC - PART III

XX Rev. Sheet No. 8  
Superseding XX Rev. Sheet No. 8**Service Classification RGT  
Residential Geothermal & Heat Pump Service**

**APPLICABLE TO USE OF SERVICE FOR:** Service Classification RGT is available for residential customers residing in individual residential structures, or in separately metered residences in multiple-unit residential structures, who have one of the following types of electric space heating systems as the primary source of heat for such structure or unit and which system meets the corresponding energy efficiency criterion:

Geothermal Systems with Energy Efficiency Ratio (EER) of 13.0 or greater;  
Heat Pump Systems with Seasonal Energy Efficiency Ratio (SEER) of 11.0 or greater, and a Heating Season Performance Factor (HSPF) which meets the then current Federal HSPF standards;  
Room Unit Heat Pump Systems with Energy Efficiency Ratio (EER) of 9.5 or greater.

Service Classification RGT is not available for customers residing in individual residential structures, or in separately metered residences in multiple-unit residential structures, which have an electric resistance heating system as the primary source of space heating for such structure or unit.

**CHARACTER OF SERVICE:** Single-phase service, with limited applications of three-phase service, at secondary voltages.

**RATE PER BILLING MONTH (All charges include Sales and Use Tax as provided in Rider SUT):**

All charges are applicable to Full Service Customers. All charges, excluding Basic Generation Service (default service), are applicable to Delivery Service Customers.

**BASIC GENERATION SERVICE (default service):**

- 1) **BGS Energy and Reconciliation Charges as provided in Rider BGS-RSCP (Basic Generation Service – Residential Small Commercial Pricing) (formerly Rider BGS-FP)**
- 2) **Transmission Charge:**  
\$0.008758 per KWH for all KWH on-peak and off-peak for June through September  
\$0.008758 per KWH for all KWH for October through May

**DELIVERY SERVICE (Customer and Distribution charges include Corporation Business Tax as provided in Rider CBT):**

- 1) **Customer Charge: \$5.19 per month**
- 2) **Distribution Charge:**  
**June through September:**  
\$0.046298 per KWH for all KWH on-peak  
\$0.021627 per KWH for all KWH off-peak  
**October through May:**  
\$0.024749 per KWH for all KWH

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## JERSEY CENTRAL POWER &amp; LIGHT COMPANY

BPU No. 12 ELECTRIC - PART III

XX Rev. Sheet No. 10  
Superseding XX Rev. Sheet No. 10

<p align="center"><b>Service Classification GS</b> <b>General Service Secondary</b></p>
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**APPLICABLE TO USE OF SERVICE FOR:** Service Classification GS is available for general service purposes at secondary voltages not included under Service Classifications RS, RT, RGT or GST.

**CHARACTER OF SERVICE:** Single or three-phase service at secondary voltages.

**RATE PER BILLING MONTH (All charges include Sales and Use Tax as provided in Rider SUT):**

All charges are applicable to Full Service Customers. All charges, excluding Basic Generation Service (default service), are applicable to Delivery Service Customers.

**BASIC GENERATION SERVICE (default service):**

- 1) **BGS Energy and Reconciliation Charges as provided in Rider BGS-RSCP (Basic Generation Service – Residential Small Commercial Pricing) (formerly BGS-FP) or Rider BGS-CIEP (Basic Generation Service – Commercial Industrial Energy Pricing)**
- 2) **Transmission Charge:**  
\$0.008758 per KWH for all KWH including Water Heating

**DELIVERY SERVICE (Customer and Distribution charges include Corporation Business Tax as provided in Rider CBT):**

- 1) **Customer Charge:**     \$ 3.10 per month single-phase  
                                       \$11.13 per month three-phase  
  
**Supplemental Customer Charge:**     \$ 1.45 per month Off-Peak/Controlled Water Heating  
   \$ 2.54 per month Day/Night Service  
   \$11.57 per month Traffic Signal Service
- 2) **Distribution Charge:**  
  
**KW Charge: (Demand Charge)**  
       \$ 6.63 per maximum KW during June through September, in excess of 10 KW  
       \$ 6.17 per maximum KW during October through May, in excess of 10 KW  
       \$ 3.01 per KW Minimum Charge, in excess of 10 KW

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## JERSEY CENTRAL POWER &amp; LIGHT COMPANY

BPU No. 12 ELECTRIC - PART III

XX Rev. Sheet No. 14  
Superseding XX Rev. Sheet No. 14

<p align="center"><b>Service Classification GST</b>  <b>General Service Secondary Time-Of-Day</b></p>
---

**APPLICABLE TO USE OF SERVICE FOR:** Service Classification GST is available for general Service purposes for commercial and industrial customers establishing demands in excess of 750 KW in two consecutive months during the current 24-month period. Customers which were served under this Service Classification as part of its previous experimental implementation may continue such Service until voluntarily transferring to Service Classification GS.

**CHARACTER OF SERVICE:** Single or three-phase service at secondary voltages.

**RATE PER BILLING MONTH (All charges include Sales and Use Tax as provided in Rider SUT):**

All charges are applicable to Full Service Customers. All charges, excluding Basic Generation Service (default service), are applicable to Delivery Service Customers.

**BASIC GENERATION SERVICE (default service):**

- 1) **BGS Energy and Reconciliation Charges as provided in Rider BGS-RSCP (Basic Generation Service – Residential Small Commercial Pricing) (formerly Rider BGS-FP) or Rider BGS-CIEP (Basic Generation Service – Commercial Industrial Energy Pricing)**
- 2) **Transmission Charge: \$0.008758** per KWH for all KWH on-peak and off-peak

**DELIVERY SERVICE (Customer and Distribution charges include Corporation Business Tax as provided in Rider CBT):**

- 1) **Customer Charge: \$29.86** per month single-phase  
**\$42.61** per month three-phase
- 2) **Distribution Charge:**
  - KW Charge: (Demand Charge)**
    - \$ 7.02** per maximum KW during June through September
    - \$ 6.56** per maximum KW during October through May
    - \$ 3.06** per KW Minimum Charge
  - KWH Charge:**
    - \$0.004661** per KWH for all KWH on-peak
    - \$0.004661** per KWH for all KWH off-peak

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## JERSEY CENTRAL POWER &amp; LIGHT COMPANY

BPU No. 12 ELECTRIC - PART III

XX Rev. Sheet No. 17

Superseding XX Rev. Sheet No. 17

<b>Service Classification GP</b> <b>General Service Primary</b>
--

**APPLICABLE TO USE OF SERVICE FOR:** Service Classification GP is available for general service purposes for commercial and industrial customers.

**CHARACTER OF SERVICE:** Single or three-phase service at primary voltages.

**RATE PER BILLING MONTH (All charges include Sales and Use Tax as provided in Rider SUT):**

All charges are applicable to Full Service Customers. All charges, excluding Basic Generation Service (default service), are applicable to Delivery Service Customers.

**BASIC GENERATION SERVICE (default service):**

1) **BGS Energy, Capacity and Reconciliation Charges as provided in Rider BGS-CIEP (Basic Generation Service – Commercial Industrial Energy Pricing).**

2) **Transmission Charge:** \$0.005721 per KWH for all KWH

**DELIVERY SERVICE (Customer and Distribution charges include Corporation Business Tax as provided in Rider CBT):**

1) **Customer Charge:** \$52.56 per month

2) **Distribution Charge:**

**KW Charge: (Demand Charge)**

\$ 5.48 per maximum KW during June through September

\$ 5.09 per maximum KW during October through May

\$ 1.86 per KW Minimum Charge

**KVAR Charge: (Kilovolt-Ampere Reactive Charge)**

\$0.35 per KVAR based upon the 15-minute integrated KVAR demand which occurs coincident with the maximum on-peak KW demand in the current billing month (See Part II, Section 5.05)

**KWH Charge:**

\$0.003358 per KWH for all KWH on-peak and off-peak

3) **Non-utility Generation Charge (Rider NGC):**

\$0.000466 per KWH for all KWH on-peak and off-peak

4) **Societal Benefits Charge (Rider SBC):**

\$0.007013 per KWH for all KWH on-peak and off-peak

5) **CIEP – Standby Fee as provided in Rider CIEP – Standby Fee (formerly Rider DSSAC)**

6) **RGGI Recovery Charge (Rider RRC):**

See Rider RRC for rate per KWH for all KWH on-peak and off-peak

7) **Storm Recovery Charge (Rider SRC):**

See Rider SRC for rate per KWH for all KWH on-peak and off peak

8) **Zero Emission Certificate Recovery Charge (Rider ZEC):**

See Rider ZEC for rate per KWH for all KWH on-peak and off-peak

9) **Tax Act Adjustment (Rider TAA):**

See Rider TAA for rate per KWH for all KWH on-peak and off-peak

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## JERSEY CENTRAL POWER &amp; LIGHT COMPANY

XX Rev. Sheet No. 19

BPU No. 12 ELECTRIC - PART III

Superseding XX Rev. Sheet No. 19

<p align="center"><b>Service Classification GT</b>  <b>General Service Transmission</b></p>
---

**APPLICABLE TO USE OF SERVICE FOR:** Service Classification GT is available for general service purposes for commercial and industrial customers.

**CHARACTER OF SERVICE:** Three-phase service at transmission voltages.

**RATE PER BILLING MONTH (All charges include Sales and Use Tax as provided in Rider SUT):**

All charges are applicable to Full Service Customers. All charges, excluding Basic Generation Service (default service), are applicable to Delivery Service Customers.

**BASIC GENERATION SERVICE (default service):**

- 1) **BGS Energy, Capacity and Reconciliation Charges as provided in Rider BGS-CIEP (Basic Generation Service – Commercial Industrial Energy Pricing).**
- 2) **Transmission Charge:** \$0.005015 per KWH for all KWH  
 \$0.001156 per KWH for all KWH High Tension Service

**DELIVERY SERVICE (Customer and Distribution charges include Corporation Business Tax as provided in Rider CBT):**

- 1) **Customer Charge: \$225.70 per month**
- 2) **Distribution Charge:**
  - KW Charge: (Demand Charge)**
    - \$ 3.52 per maximum KW
    - \$ 0.94 per KW High Tension Service Credit
    - \$ 2.34 per KW DOD Service Credit
  - KW Minimum Charge: (Demand Charge)**
    - \$ 1.07 per KW Minimum Charge
    - \$ 0.70 per KW DOD Service Credit
    - \$ 0.45 per KW Minimum Charge Credit
  - KVAR Charge: (Kilovolt-Ampere Reactive Charge)**
    - \$0.34 per KVAR based upon the 15-minute integrated KVAR demand which occurs coincident with the maximum on-peak KW demand in the current billing month (See Part II, Section 5.05)
  - KWH Charge:**
    - \$0.002595 per KWH for all KWH on-peak and off-peak
    - \$0.000921 per KWH High Tension Service Credit
    - \$0.001687 per KWH DOD Service Credit
- 3) **Non-utility Generation Charge (Rider NGC):**
  - \$ 0.000457 per KWH for all KWH on-peak and off-peak – excluding High Tension Service
  - \$ 0.000448 per KWH for all KWH on-peak and off-peak – High Tension Service
- 4) **Societal Benefits Charge (Rider SBC):**
  - \$0.007013 per KWH for all KWH on-peak and off-peak

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## JERSEY CENTRAL POWER &amp; LIGHT COMPANY

BPU No. 12 ELECTRIC - PART III

XX Rev. Sheet No. 22  
Superseding XX Rev. Sheet No. 22

<b>Service Classification OL</b> <b>Outdoor Lighting Service</b>
---

**RESTRICTION:** Mercury vapor (MV) area lighting is no longer available for replacement and shall be removed from service when existing MV area lighting fails.

**APPLICABLE TO USE OF SERVICE FOR:** Service Classification OL is available for outdoor flood and area lighting service operating on a standard illumination schedule of 4200 hours per year, and installed on existing wood distribution poles where secondary facilities exist. This Service is not available for the lighting of public streets and highways. This Service is also not available where, in the Company's judgment, it may be objectionable to others, or where, having been installed, it is objectionable to others.

**CHARACTER OF SERVICE:** Sodium vapor (SV) flood lighting, high pressure sodium (HPS) and mercury vapor (MV) area lighting for limited period (dusk to dawn) at nominal 120 volts.

**RATE PER BILLING MONTH (All charges include Sales and Use Tax as provided in Rider SUT):**

**(A) FIXTURE CHARGE:**

<u>Nominal Ratings</u>		<u>Billing Month</u>	<u>HPS</u>	<u>MV</u>	<u>SV</u>
<u>Lamp</u>	<u>Lamp &amp; Ballast</u>				
<u>Wattage</u>	<u>Wattage</u>	<u>KWH *</u>	<u>Area Lighting</u>	<u>Area Lighting</u>	<u>Flood Lighting</u>
100	121	42	Not Available	\$ 2.46	Not Available
175	211	74	Not Available	\$ 2.46	Not Available
70	99	35	\$10.21	Not Available	Not Available
100	137	48	\$10.21	Not Available	Not Available
150	176	62	Not Available	Not Available	\$12.00
250	293	103	Not Available	Not Available	\$12.60
400	498	174	Not Available	Not Available	\$12.93

\* Based on standard illumination schedule of 4200 hours per year. Billing Month KWH is calculated to the nearest whole KWH based on the nominal lamp & ballast wattage of the light, times the light's annual burning hours per year, divided by 12 months per year, divided by 1000 watts per KWH.

**(B) KWH CHARGES:** The following charges apply to all Billing Month KWH and to all billing months (January through December). All charges are applicable to Full Service Customers. All charges, excluding Basic Generation Service (default service), are applicable to Delivery Service Customers.

**BASIC GENERATION SERVICE (default service):**

- 1) BGS Energy and Reconciliation Charges as provided in Rider BGS-RSCP (Basic Generation Service – Residential Small Commercial Pricing) (formerly Rider BGS-FP)
- 2) Transmission Charge: \$0.000000 per KWH

**DELIVERY SERVICE (Distribution Charge includes Corporation Business Tax as provided in Rider CBT):**

- 1) Distribution Charge: \$0.046032 per KWH
- 2) Non-utility Generation Charge (Rider NGC): \$0.000492 per KWH
- 3) Societal Benefits Charge (Rider SBC): \$0.007013 per KWH
- 4) RGGI Recovery Charge (Rider RRC): See Rider RRC for rate per KWH
- 5) Storm Recovery Charge (Rider SRC): See Rider SRC for rate per KWH
- 6) Zero Emission Certificate Recovery Charge (Rider ZEC): See Rider ZEC for rate per KWH
- 7) Tax Act Adjustment (Rider TAA): See Rider TAA for rate per KWH

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## JERSEY CENTRAL POWER &amp; LIGHT COMPANY

XX Rev. Sheet No. 24

BPU No. 12 ELECTRIC - PART III

Superseding XX Rev. Sheet No. 24

**Service Classification SVL**  
**Sodium Vapor Street Lighting Service**

**APPLICABLE TO USE OF SERVICE FOR:** Service Classification SVL is available for series and multiple circuit street lighting Service operating on a standard illumination schedule of 4200 hours per year supplied from overhead or underground facilities on streets and roads (and parking areas at the option of the Company) where required by City, Town, County, State or other Municipal or Public Agency or by an incorporated association of local residents.

Sodium vapor conversions of mercury vapor or incandescent street lights shall be scheduled in accordance with the Company's SVL Conversion Program, and may be limited to no more than 5% of the lamps served under this Service Classification at the end of the previous year.

**CHARACTER OF SERVICE:** Sodium vapor lighting for limited period (dusk to dawn) at secondary voltage.

**RATE PER BILLING MONTH (All charges include Sales and Use Tax as provided in Rider SUT):**

**(A) FIXTURE CHARGE:**

Nominal Ratings

<u>Lamp</u> <u>Wattage</u>	<u>Lamp &amp; Ballast</u> <u>Wattage</u>	<u>Billing Month</u> <u>KWH *</u>	<u>Company</u> <u>Fixture</u>	<u>Contribution</u> <u>Fixture</u>	<u>Customer</u> <u>Fixture</u>
50	60	21	\$ 5.96	\$ 1.67	\$ 0.81
70	85	30	\$ 5.96	\$ 1.67	\$ 0.81
100	121	42	\$ 5.96	\$ 1.67	\$ 0.81
150	176	62	\$ 5.96	\$ 1.67	\$ 0.81
250	293	103	\$ 7.05	\$ 1.67	\$ 0.81
400	498	174	\$ 7.05	\$ 1.67	\$ 0.81

\* Based on standard illumination schedule of 4200 hours per year. Billing Month KWH is calculated to the nearest whole KWH based on the nominal lamp & ballast wattage of the light, times the light's annual burning hours per year, divided by 12 months per year, divided by 1000 watts per KWH.

**(B) KWH CHARGES:** The following charges apply to all Billing Month KWH and to all billing months (January through December). All charges are applicable to Full Service Customers. All charges, excluding Basic Generation Service (default service), are applicable to Delivery Service Customers.

**BASIC GENERATION SERVICE (default service):**

- 1) **BGS Energy and Reconciliation Charges as provided in Rider BGS-RSCP (Basic Generation Service – Residential Small Commercial Pricing) (formerly Rider BGS-FP)**
- 2) **Transmission Charge: \$0.000000 per KWH**

**DELIVERY SERVICE (Distribution Charge includes Corporation Business Tax as provided in Rider CBT):**

- 1) **Distribution Charge: \$0.046032 per KWH**
- 2) **Non-utility Generation Charge (Rider NGC): \$0.000492 per KWH**
- 3) **Societal Benefits Charge (Rider SBC): \$0.007013 per KWH**
- 4) **RGGI Recovery Charge (Rider RRC): See Rider RRC for rate per KWH**
- 5) **Storm Recovery Charge (Rider SRC): See Rider SRC for rate per KWH**
- 6) **Zero Emission Certificate Recovery Charge (Rider ZEC): See Rider ZEC for rate per KWH**
- 7) **Tax Act Adjustment (Rider TAA): See Rider TAA for rate per KWH**

**TERM OF CONTRACT:** Five years for each Company Fixture installation and thereafter on a monthly basis. Where special circumstances apply or special or unusual facilities are supplied, contracts of more than five years may be required. Service which is terminated before the end of the contract term shall be billed the total of 1) the light's monthly Fixture Charge plus 2) the per KWH Distribution Charge applicable to the light's Billing Month KWH, times the remaining months of the contract term. Restoration of Service to lamps before the end of the contract term shall be made at the expense of the customer.

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## JERSEY CENTRAL POWER &amp; LIGHT COMPANY

BPU No. 12 ELECTRIC - PART III

XX Rev. Sheet No. 27

Superseding XX Rev. Sheet No. 27

<p align="center"><b>Service Classification MVL</b>  <b>Mercury Vapor Street Lighting Service</b></p>
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**RESTRICTION:** Service Classification MVL is in process of elimination and is withdrawn except for the installations of customers receiving Service hereunder on July 21, 1982, and only for the specific premises and class of service of such customer served hereunder on such date.

**APPLICABLE TO USE OF SERVICE FOR:** Series and multiple circuit street lighting service operating on a standard illumination schedule of 4200 hours per year supplied from overhead or underground facilities on streets and roads where required by City, Town, County, State or other Municipal or Public Agency or by an incorporated association of local residents. At the option of the Company, Service may also be provided for lighting service on streets, roads or parking areas on municipal or private property where supplied directly from the Company's facilities when such Service is contracted for by the owner or agency operating such property.

**CHARACTER OF SERVICE:** Mercury vapor lighting for limited period (dusk to dawn) at secondary voltage or on constant current series circuits.

**RATE PER BILLING MONTH (All charges include Sale and Use Tax as provided in Rider SUT):**

**(A) FIXTURE CHARGE:**Nominal Ratings

<u>Lamp Wattage</u>	<u>Lamp &amp; Ballast Wattage</u>	<u>Billing Month KWH *</u>	<u>Company Fixture</u>	<u>Contribution Fixture</u>	<u>Customer Fixture</u>
100	121	42	\$ 4.16	\$ 1.58	\$ 0.80
175	211	74	\$ 4.16	\$ 1.58	\$ 0.80
250	295	103	\$ 4.16	\$ 1.58	\$ 0.80
400	468	164	\$ 4.51	\$ 1.58	\$ 0.80
700	803	281	\$ 5.46	\$ 1.58	\$ 0.80
1000	1135	397	\$ 5.46	\$ 1.58	\$ 0.80

\* Based on standard illumination schedule of 4200 hours per year. Billing Month KWH is calculated to the nearest whole KWH based on the nominal lamp & ballast wattage of the light, times the light's annual burning hours per year, divided by 12 months per year, divided by 1000 watts per KWH.

**(B) KWH CHARGES:** The following charges apply to all Billing Month KWH and to all billing months (January through December). All charges are applicable to Full Service Customers. All charges, excluding Basic Generation Service (default service), are applicable to Delivery Service Customers.

**BASIC GENERATION SERVICE (default service):**

- 1) BGS Energy and Reconciliation Charges as provided in Rider BGS-RSCP (Basic Generation Service – Residential Small Commercial Pricing) (formerly Rider BGS-FP)
- 2) Transmission Charge: \$0.000000 per KWH

**DELIVERY SERVICE (Distribution Charge includes Corporation Business Tax as provided in Rider CBT):**

- 1) Distribution Charge: \$0.046032 per KWH
- 2) Non-utility Generation Charge (Rider NGC): \$0.000492 per KWH
- 3) Societal Benefits Charge (Rider SBC): \$0.007013 per KWH
- 4) RGGI Recovery Charge (Rider RRC): See Rider RRC for rate per KWH
- 5) Storm Recovery Charge (Rider SRC): See Rider SRC for rate per KWH
- 6) Zero Emission Certificate Recovery Charge (Rider ZEC): See Rider ZEC for rate per KWH
- 7) Tax Act Adjustment (Rider TAA): See Rider TAA for rate per KWH

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## JERSEY CENTRAL POWER &amp; LIGHT COMPANY

XX Rev. Sheet No. 30

BPU No. 12 ELECTRIC - PART III

Superseding XX Rev. Sheet No. 30

<p align="center"><b>Service Classification ISL</b>  <b>Incandescent Street Lighting Service</b></p>
--

**RESTRICTION:** Service Classification ISL is in process of elimination and is withdrawn except for the installations of customers currently receiving Service, and except for fire alarm and police box lamps provided under Special Provision (c). The obsolescence of this Service Classification's facilities further dictates that Service be discontinued to any installation that requires the replacement of a fixture, bracket or street light pole.

**APPLICABLE TO USE OF SERVICE FOR:** Series and multiple circuit street lighting service operating on a standard illumination schedule of 4200 hours per year supplied from overhead or underground facilities on streets or roads where required by city, town, county, State or other principal or public agency or by an incorporated association of local residents.

**CHARACTER OF SERVICE:** Incandescent lighting for limited period (dusk to dawn) at secondary voltage or on constant current series circuits.

**RATE PER BILLING MONTH (All Charges include Sales and Use Tax as provided in Rider SUT):**

**(A) FIXTURE CHARGE:**

<u>Nominal Ratings</u>			
Lamp	Billing Month		
<u>Wattage</u>	<u>KWH *</u>	<u>Company Fixture</u>	<u>Customer Fixture</u>
105	37	\$ 1.76	\$ 0.80
205	72	\$ 1.76	\$ 0.80
327	114	\$ 1.76	\$ 0.80
448	157	\$ 1.76	\$ 0.80
690	242	\$ 1.76	\$ 0.80
860	301	\$ 1.76	\$ 0.80

\* Based on standard illumination schedule of 4200 hours per year. Billing Month KWH is calculated to the nearest whole KWH based on the nominal lamp & ballast wattage of the light, times the light's annual burning hours per year, divided by 12 months per year, divided by 1000 watts per KWH.

**(B) KWH CHARGES:** The following charges apply to all Billing Month KWH and to all billing months (January through December). All charges are applicable to Full Service Customers. All charges, excluding Basic Generation Service (default service), are applicable to Delivery Service Customers.

**BASIC GENERATION SERVICE (default service):**

- 1) BGS Energy and Reconciliation Charges as provided in Rider BGS-RSCP (Basic Generation Service – Residential Small Commercial Pricing) (formerly Rider BGS-FP)
- 2) Transmission Charge: \$0.000000 per KWH

**DELIVERY SERVICE (Distribution Charge includes Corporation Business Tax as provided in Rider CBT):**

- 1) Distribution Charge: \$0.046032 per KWH
- 2) Non-utility Generation Charge (Rider NGC): \$0.000492 per KWH
- 3) Societal Benefits Charge (Rider SBC): \$0.007013 per KWH
- 4) RGGI Recovery Charge (Rider RRC): See Rider RRC for rate per KWH
- 5) Storm Recovery Charge (Rider SRC): See Rider SRC for rate per KWH
- 6) Zero Emission Certificate Recovery Charge (Rider ZEC): See Rider ZEC for rate per KWH
- 7) Tax Act Adjustment (Rider TAA): See Rider TAA for rate per KWH

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## JERSEY CENTRAL POWER &amp; LIGHT COMPANY

XX Rev. Sheet No. 33

BPU No. 12 ELECTRIC - PART III

Superseding XX Rev. Sheet No. 33

### Service Classification LED LED Street Lighting Service

**APPLICABLE TO USE OF SERVICE FOR:** Service Classification LED is available for installation of 12 or more LED (light emitting diode) fixtures per request for series and multiple circuit street lighting Service operating on a standard illumination schedule of 4200 hours per year supplied from overhead or underground facilities on streets and roads (and parking areas at the option of the Company) where required by City, Town, County, State or other Municipal or Public Agency or by an incorporated association of local residents.

LED conversions of sodium vapor, mercury vapor or incandescent street lights shall be scheduled at the Company's reasonable discretion.

**CHARACTER OF SERVICE:** LED lighting for limited period (dusk to dawn) at secondary voltage.

**RATE PER BILLING MONTH (All charges include Sales and Use Tax as provided in Rider SUT):**

**(A) FIXTURE CHARGE:**

Lamp Wattage	Type	Lumens	Billing Month KWH*	Company Fixture
50	Cobra Head	4000	18	\$ 6.37
90	Cobra Head	7000	32	\$ 7.04
130	Cobra Head	11500	46	\$ 8.38
260	Cobra Head	24000	91	\$ 10.83
50	Acorn	2500	18	\$ 15.25
90	Acorn	5000	32	\$ 15.94
50	Colonial	2500	18	\$ 8.72
90	Colonial	5000	32	\$ 12.37

\* Based on standard illumination schedule of 4200 hours per year. Billing Month KWH is calculated to the nearest whole KWH based on the lamp wattage of the light, times the light's annual burning hours per year, divided by 12 months per year, divided by 1000 watts per KWH.

**(B) KWH CHARGES:** The following charges apply to all Billing Month KWH and to all billing months (January through December). All charges are applicable to Full Service Customers. All charges, excluding Basic Generation Service (default service), are applicable to Delivery Service Customers.

**BASIC GENERATION SERVICE (default service):**

- 1) **BGS Energy and Reconciliation Charges as provided in Rider BGS-RSCP (Basic Generation Service – Residential Small Commercial Pricing) (formerly Rider BGS-FP)**
- 2) **Transmission Charge: \$0.000000 per KWH**

**DELIVERY SERVICE (Distribution Charge includes Corporation Business Tax as provided in Rider CBT):**

- 1) **Distribution Charge: \$0.046032 per KWH**
- 2) **Non-utility Generation Charge (Rider NGC): \$0.000492 per KWH**
- 3) **Societal Benefits Charge (Rider SBC): \$0.007013 per KWH**
- 4) **RGGI Recovery Charge (Rider RRC): See Rider RRC for rate per KWH**
- 5) **Storm Recovery Charge (Rider SRC): See Rider SRC for rate per KWH**
- 6) **Zero Emission Certificate Recovery Charge (Rider ZEC): See Rider ZEC for rate per KWH**
- 7) **Tax Act Adjustment (Rider TAA): See Rider TAA for rate per KWH**

**TERM OF CONTRACT:** Ten years for each Company Fixture installation and thereafter on a monthly basis. Where special circumstances apply or special or unusual facilities are supplied, contracts of more than ten years may be required. Service which is terminated before the end of the contract term shall be billed the total of 1) the light's monthly Fixture Charge plus 2) the per KWH Distribution Charge applicable to the light's Billing Month KWH, times the remaining months of the contract term. Restoration of Service to lamps before the end of the contract shall be made at the expense of the customer.

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## **Attachment 2b**

### **JCP&L Translation of NITS Charge into Customer Rates**

## Attachment 2b - JCP&L Translation of NITS Charge into BGS Customer Rates (Riders RSCP and CIEP)

NITS Charges for January 2020 through December 2020 -

JCP&L Annual NITS Revenue Requirement	\$	147,518,299
JCP&L Customer Share of Schedule 12 TEC	\$	8,826,390
NITS Charges for January 2020 - December 2020	\$	156,344,689
JCP&L Zonal Transmission Load for 2020		6,057.1 (MW)
2020 NITS Rate	\$	25,811.81 (per MW-yr)
Resulting BGS Firm Transmission Service Supplier Rate	\$	70.52 (per MW-day)
Change in BGS Firm Transmission Service Supplier Rate	\$	4.50 (per MW-day)

### Effective January 1, 2020:

BGS by Voltage Level	Transmission Obligation (MW)	Allocated Cost Recovery	BGS Eligible Sales (kWh)	Transmission Rate (\$/kWh)	Transmission Rate w/SUT (\$/kWh)
Secondary (excluding lighting)	5,230.8	\$ 135,016,311	16,436,772,225	\$ 0.008214	\$ 0.008758
Primary	364.5	\$ 9,407,818	1,753,331,479	\$ 0.005366	\$ 0.005721
Transmission @ 34.5 kV	293.2	\$ 7,568,636	1,609,440,889	\$ 0.004703	\$ 0.005015
Transmission @ 230 kV	15.1	\$ 389,812	359,605,443	\$ 0.001084	\$ 0.001156
Total	5,903.6	\$ 152,382,577	20,159,150,036		

### BGS-RSCP Supplier Payment Adjustment

#### Line No.

1	BGS-RSCP Eligible Sales January through December @ Customer	15,389,564	MWH
2	BGS-RSCP Eligible Sales January through December @ Transmission Node	17,073,576	MWH
3	BGS-RSCP Eligible Transmission Obligation	4,932	MW
4	Change in Transmission Payment to RSCP Suppliers	\$ 3,112,222	= Line 3 x \$1.70 x 366
5	Change to Supplier Payment Rates \$/MWH (rounded to 2 decimals)	\$ 0.18	= Line 4 / Line 2

**Attachment 3 – PSE&G Tariffs and Rate Translation**

**Attachment 3a**

**Pro-forma PSE&G Tariff Sheets**

**Attachment 3b**

**PSE&G Translation of JCP&L Schedule 12 (Transmission Enhancement)  
Charges into Customer Rates**

**Attachment 3a**

**Pro-forma PSE&G Tariff Sheets**



**PUBLIC SERVICE ELECTRIC AND GAS COMPANY****XXX Revised Sheet No. 75****B.P.U.N.J. No. 16 ELECTRIC****Superseding****XXX Revised Sheet No. 75****BASIC GENERATION SERVICE – RESIDENTIAL SMALL COMMERCIAL PRICING (BGS-RSCP)  
ELECTRIC SUPPLY CHARGES****APPLICABLE TO:**

Default electric supply service for Rate Schedules RS, RHS, RLM, WH, WHS, HS, BPL, BPL-POF, PSAL, GLP and LPL-Secondary (less than 500 kilowatts).

**BGS ENERGY CHARGES:**

**Applicable to Rate Schedules RS, RHS, RLM, WH, WHS, HS, BPL, BPL-POF and PSAL**  
**Charges per kilowatt-hour:**

Rate Schedule	For usage in each of the months of <u>October through May</u>		For usage in each of the months of <u>June through September</u>	
	<u>Charges</u>	<u>Charges Including SUT</u>	<u>Charges</u>	<u>Charges Including SUT</u>
RS – first 600 kWh	\$0.114067	\$0.121624	\$0.112946	\$0.120429
RS – in excess of 600 kWh	0.114067	0.121624	0.121943	0.130022
RHS – first 600 kWh	0.090271	0.096251	0.085283	0.090933
RHS – in excess of 600 kWh	0.090271	0.096251	0.097313	0.103760
RLM On-Peak	0.201044	0.214363	0.211951	0.225993
RLM Off-Peak	0.057436	0.061241	0.052491	0.055969
WH	0.052270	0.055733	0.050561	0.053911
WHS	0.052817	0.056316	0.050658	0.054014
HS	0.113902	0.121448	0.115354	0.122996
BPL	0.050905	0.054277	0.046186	0.049246
BPL-POF	0.050905	0.054277	0.046186	0.049246
PSAL	0.050905	0.054277	0.046186	0.049246

The above Basic Generation Service Energy Charges reflect costs for Energy, Generation Capacity, Transmission, and Ancillary Services (including PJM Interconnection, L.L.C. (PJM) Administrative Charges). The portion of these charges related to Network Integration Transmission Service, including the PJM Seams Elimination Cost Assignment Charges, the PJM Reliability Must Run Charge and PJM Transmission Enhancement Charges may be changed from time to time on the effective date of such change to the PJM rate for these charges as approved by the Federal Energy Regulatory Commission (FERC).

Kilowatt threshold noted above is based upon the customer's Peak Load Share of the overall summer peak load assigned to Public Service by the Pennsylvania-New Jersey-Maryland Office of the Interconnection (PJM). See Section 9.1, Measurement of Electric Service, of the Standard Terms and Conditions of this Tariff.

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XXX Revised Sheet No. 79

B.P.U.N.J. No. 16 ELECTRIC

Superseding

XXX Revised Sheet No. 79

**BASIC GENERATION SERVICE – RESIDENTIAL SMALL COMMERCIAL PRICING (BGS-RSCP)  
ELECTRIC SUPPLY CHARGES  
(Continued)**

**BGS CAPACITY CHARGES:**

Applicable to Rate Schedules GLP and LPL-Sec.

Charges per kilowatt of Generation Obligation:

Charge applicable in the months of June through September .....\$ 4.8274

Charge including New Jersey Sales and Use Tax (SUT) .....\$ 5.1472

Charge applicable in the months of October through May .....\$ 4.8274

Charge including New Jersey Sales and Use Tax (SUT) .....\$ 5.1472

The above charges shall recover each customer's share of the overall summer peak load assigned to the Public Service Transmission Zone by the PJM Interconnection, L.L.C. (PJM) as adjusted by PJM assigned capacity related factors and shall be in accordance with Section 9.1, Measurement of Electric Service, of the Standard Terms and Conditions.

**BGS TRANSMISSION CHARGES**

Applicable to Rate Schedules GLP and LPL-Sec.

Charges per kilowatt of Transmission Obligation:

Currently effective Annual Transmission Rate for

Network Integration Transmission Service for the

Public Service Transmission Zone as derived from the

FERC Electric Tariff of the PJM Interconnection, LLC ..... \$104,709.15 per MW per year

EL05-121 .....\$ 188.13 per MW per month

PJM Seams Elimination Cost Assignment Charges .....\$ 0.00 per MW per month

PJM Reliability Must Run Charge .....\$ 0.00 per MW per month

PJM Transmission Enhancements

Trans-Allegheny Interstate Line Company .....\$ 58.78 per MW per month

Virginia Electric and Power Company .....\$ 46.75 per MW per month

Potomac-Appalachian Transmission Highline L.L.C. ....\$ 3.47 per MW per month

PPL Electric Utilities Corporation .....\$ 226.26 per MW per month

American Electric Power Service Corporation .....\$ 21.45 per MW per month

Atlantic City Electric Company. ....\$ 8.86 per MW per month

Delmarva Power and Light Company .....\$ 0.15 per MW per month

Potomac Electric Power Company .....\$ 3.14 per MW per month

Baltimore Gas and Electric Company .....\$ 3.52 per MW per month

Jersey Central Power and Light .....\$ 69.19 per MW per month

Mid Atlantic Interstate Transmission .....\$ 16.22 per MW per month

PECO Energy Company .....\$ 22.32 per MW per month

Above rates converted to a charge per kW of Transmission

Obligation, applicable in all months .....\$ 9.3942

Charge including New Jersey Sales and Use Tax (SUT) .....\$ 10.0166

The above charges shall recover each customer's share of the overall summer peak transmission load assigned to the Public Service Transmission Zone by the PJM Interconnection, L.L.C. (PJM) as adjusted by PJM assigned transmission capacity related factors and shall be in accordance with Section 9.1, Measurement of Electric Service, of the Standard Terms and Conditions. These charges will be changed from time to time on the effective date of such change to the PJM rate for charges for Network Integration Transmission Service, including the PJM Seams Elimination Cost Assignment Charges, the PJM Reliability Must Run Charge and PJM Transmission Enhancement Charges as approved by Federal Energy Regulatory Commission (FERC).

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B.P.U.N.J. No. 16 ELECTRIC

Superseding

XXX Revised Sheet No. 83

**BASIC GENERATION SERVICE – COMMERCIAL AND INDUSTRIAL ENERGY PRICING (CIEP)****ELECTRIC SUPPLY CHARGES**

(Continued)

**BGS TRANSMISSION CHARGES****Charges per kilowatt of Transmission Obligation:**

Currently effective Annual Transmission Rate for

Network Integration Transmission Service for the

Public Service Transmission Zone as derived from the

FERC Electric Tariff of the PJM Interconnection, LLC ..... \$104,709.15 per MW per year

EL05-121..... \$ 188.13 per MW per month

PJM Seams Elimination Cost Assignment Charges..... \$ 0.00 per MW per month

PJM Reliability Must Run Charge..... \$ 0.00 per MW per month

PJM Transmission Enhancements

Trans-Allegheny Interstate Line Company ..... \$ 58.78 per MW per month

Virginia Electric and Power Company ..... \$ 46.75 per MW per month

Potomac-Appalachian Transmission Highline L.L.C. .... \$ 3.47 per MW per month

PPL Electric Utilities Corporation..... \$ 226.26 per MW per month

American Electric Power Service Corporation ..... \$ 21.45 per MW per month

Atlantic City Electric Company. .... \$ 8.86 per MW per month

Delmarva Power and Light Company..... \$ 0.15 per MW per month

Potomac Electric Power Company..... \$ 3.14 per MW per month

Baltimore Gas and Electric Company..... \$ 3.52 per MW per month

Jersey Central Power and Light ..... \$ 69.19 per MW per month

Mid Atlantic Interstate Transmission..... \$ 16.22 per MW per month

PECO Energy Company..... \$ 22.32 per MW per month

Above rates converted to a charge per kW of Transmission

Obligation, applicable in all months..... \$ 9.3942

Charge including New Jersey Sales and Use Tax (SUT) ..... \$ 10.0166

The above charges shall recover each customer's share of the overall summer peak transmission load assigned to the Public Service Transmission Zone by the PJM Interconnection, L.L.C. (PJM) as adjusted by PJM assigned transmission capacity related factors and shall be in accordance with Section 9.1, Measurement of Electric Service, of the Standard Terms and Conditions. These charges will be changed from time to time on the effective date of such charge to the PJM rate for charges for Network Integration Transmission Service, including the PJM Seams Elimination Cost Assignment Charges, the PJM Reliability Must Run Charge and PJM Transmission Enhancement Charges as approved by Federal Energy Regulatory Commission (FERC).

Kilowatt threshold noted above is based upon the customer's Peak Load Share of the overall summer peak load assigned to Public Service by the Pennsylvania-New Jersey-Maryland Office of the Interconnection (PJM). See Section 9.1, Measurement of Electric Service, of the Standard Terms and Conditions of this Tariff.

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**Attachment 3b**

**PSE&G Translation of JCP&L Schedule 12 (Transmission Enhancement)  
Charges into Customer Rates**

## Transmission Charge Adjustment - BGS-RSCP

## PJM Schedule 12 - Transmission Enhancement Charges for January 2020 - December 2020

## Calculation of costs and monthly PJM charges for JCP&amp;L

TEC Charges for Jan 2020 - Dec 2020	\$	8,096,755.99	
PSE&G Zonal Transmission Load for Effective Yr. (MW)		9,752.50	
Term (Months)		12	
OATT rate	\$	69.19 /MW/month	all values show w/o NJ SUT
Resulting Increase in Transmission Rate	\$	830.28 /MW/yr	

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Trans Obl - MW	4,205.0	21.8	74.0	0.0	0.0	4.2	0.0	0.0
Total Annual Energy - MWh	12,332,838.9	109,600.5	190,365.8	998.0	17.0	12,526.2	153,089.0	284,612.0
Change in energy charge in \$/MWh	\$ 0.2831	\$ 0.1651	\$ 0.3228	\$ -	\$ -	\$ 0.2784	\$ -	\$ -
in \$/kWh - rounded to 6 places	\$ 0.000283	\$ 0.000165	\$ 0.000323	\$ -	\$ -	\$ 0.000278	\$ -	\$ -

Line #

1	Total BGS-RSCP Trans Obl	6,976.3 MW						= sum of BGS-RSCP eligible Trans Obl adjusted for migration
2	Total BGS-RSCP energy @ cust	24,465,276 MWh						= sum of BGS-RSCP eligible kWh @ cust adjusted for migration
3	Total BGS-RSCP energy @ trans nodes	25,829,485 MWh	unrounded					= (2) * loss expansion factor to trans node
4	Change in OATT rate * total Trans Obl	\$ 5,792,282	unrounded					= Change in OATT rate * Total BGS-RSCP eligible Trans Obl
5	Change in Average Supplier Payment Rate	\$ 0.2243 /MWh	unrounded					= (4) / (3)
6	Change in Average Supplier Payment Rate	\$ 0.22 /MWh	rounded to 2 decimal places					= (5) rounded to 2 decimal places
7	Proposed Total Supplier Payment	\$ 5,682,487	unrounded					= (6) * (3)
8	Difference due to rounding	\$ (109,796)	unrounded					= (7) - (4)

## **Attachment 4 – ACE Tariffs and Rate Translation**

### **Attachment 4a**

#### **Pro-forma ACE Tariff Sheets**

### **Attachment 4b**

#### **ACE Translation of JCP&L Schedule 12 (Transmission Enhancement) Charges into Customer Rates**

**Attachment 4a**  
**Pro-forma ACE Tariff Sheets**

**ATLANTIC CITY ELECTRIC COMPANY****BPU NJ No. 11 Electric Service - Section IV Revised Sheet Replaces Revised Sheet No. 60b****RIDER (BGS) continued  
Basic Generation Service (BGS)****CIEP Standby Fee** \$0.000160 per kWh

This charge recovers the costs associated with the winning BGS-CIEP bidders maintaining the availability of the hourly priced default electric supply service plus administrative charges pursuant to N.J.S.A. 48:2-60 and New Jersey Sales and Use Tax as set forth in Rider SUT. This charge is assessed on all kWhs delivered to all CIEP- eligible customers on Rate Schedules MGS Secondary, MGS Primary, AGS Secondary, AGS Primary or TGS.

**Transmission Enhancement Charge**

This charge reflects Transmission Enhancement Charges ("TECs"), implemented to compensate transmission owners for the annual transmission revenue requirements for "Required Transmission Enhancements" (as defined in Schedule 12 of the PJM OATT) that are requested by PJM for reliability or economic purposes and approved by the Federal Energy Regulatory Commission (FERC). The TEC charge (in \$ per kWh by Rate Schedule), including administrative charges pursuant to N.J.S.A. 48:2-60 and New Jersey Sales and Use Tax as set forth in Rider SUT, is delineated in the following table.

	<b>Rate Class</b>							
	<b><u>RS</u></b>	<b><u>MGS Secondary</u></b>	<b><u>MGS Primary</u></b>	<b><u>AGS Secondary</u></b>	<b><u>AGS Primary</u></b>	<b><u>TGS</u></b>	<b><u>SPL/ CSL</u></b>	<b><u>DDC</u></b>
VEPCo	0.000223	0.000186	0.000183	0.000128	0.000104	0.000093	-	0.000090
TrAILCo	0.000297	0.000236	0.000179	0.000172	0.000142	0.000131	-	0.000107
PSE&G	0.000417	0.000345	0.000342	0.000239	0.000195	0.000174	-	0.000166
PATH	0.000018	0.000015	0.000015	0.000011	0.000009	0.000007	-	0.000007
PPL	0.000106	0.000083	0.000064	0.000061	0.000050	0.000047	-	0.000038
PECO	0.000155	0.000123	0.000094	0.000090	0.000074	0.000068	-	0.000055
Pepco	0.000020	0.000016	0.000012	0.000012	0.000010	0.000009	-	0.000007
MAIT	0.000026	0.000021	0.000021	0.000015	0.000012	0.000011	-	0.000011
JCP&L	0.000003	0.000002	0.000002	0.000002	0.000001	0.000001	-	0.000001
EL05-121	0.000037	0.000030	0.000023	0.000022	0.000018	0.000017	-	0.000014
Delmarva	0.000001	0.000001	0.000001	0.000001	-	-	-	-
BG&E	0.000039	0.000032	0.000025	0.000023	0.000019	0.000017	-	0.000014
AEP - East	0.000088	0.000074	0.000074	0.000051	0.000042	0.000037	-	0.000035
Total	0.001430	0.001164	0.001035	0.000827	0.000676	0.000612		0.000545

**Date of Issue:****Effective Date:****Issued by**



**Attachment 4b**

**ACE Translation of JCP&L Schedule 12 (Transmission Enhancement)  
Charges into Customer Rates**

## Attachment 4b

## Atlantic City Electric Company

Proposed JCP&amp;L Projects Transmission Enhancement Charge (JCP&amp;L-TEC Surcharge) effective January 1, 2020

To reflect FERC-approved ACE Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective January 1, 2020

Transmission Enhancement Costs Allocated to ACE Zone (2020)	\$	1,674
	\$	1,674
2020 ACE Zone Transmission Peak Load (MW)		2,737
Transmission Enhancement Rate (\$/MW)	\$	0.61

Rate Class	Col. 1 Transmission Obligation (MW)	Col. 2 Allocated Cost Recovery	Col. 3 BGS Eligible Sales June 2019 - May 2020 (kWh)	Col. 4 = Col. 2/Col. 3 Transmission Enhancement Charge (\$/kWh)	Col. 5 = Col. 4 x 1/(1-Effective Rate) Transmission Enhancement Charge w/ BPU Assessment (\$/kWh)	Col. 6 = Col. 5 x 1.06625 Transmission Enhancement Charge w/ SUT (\$/kWh)
RS	1,484	\$ 10,744	4,080,911,660	\$ 0.000003	\$ 0.000003	\$ 0.000003
MGS Secondary	356	\$ 2,810	1,251,541,658	\$ 0.000002	\$ 0.000002	\$ 0.000002
MGS Primary	6	\$ 44	27,739,655	\$ 0.000002	\$ 0.000002	\$ 0.000002
AGS Secondary	380	\$ 2,789	1,833,118,746	\$ 0.000002	\$ 0.000002	\$ 0.000002
AGS Primary	95	\$ 699	556,105,782	\$ 0.000001	\$ 0.000001	\$ 0.000001
TGS	147	\$ 1,078	926,628,369	\$ 0.000001	\$ 0.000001	\$ 0.000001
SPL/GSL	0	\$ -	67,696,384	\$ -	\$ -	\$ -
DDC	2	\$ 13	13,542,140	\$ 0.000001	\$ 0.000001	\$ 0.000001
	2,450	\$ 17,977	8,757,284,374			

## **Attachment 5 – RECO Tariffs and Rate Translation**

### **Attachment 5a**

#### **Pro-forma RECO Tariff Sheets**

### **Attachment 5b**

#### **RECO Translation of JCP&L Schedule 12 (Transmission Enhancement) Charges into Customer Rates**

**Attachment 5a**  
**Pro-forma RECO Tariff Sheets**



DRAFT

Revised Leaf No. 83  
Superseding Leaf No. 83

**SERVICE CLASSIFICATION NO. 1  
RESIDENTIAL SERVICE (Continued)**

**RATE – MONTHLY (Continued)**

(3) Transmission Charges

- (a) These charges apply to all customers taking Basic Generation Service from the Company. These charges are also applicable to customers located in the Company's Central and Western Divisions and obtaining Competitive Energy Supply. These charges are not applicable to customers located in the Company's Eastern Division and obtaining Competitive Energy Supply. The Company's Eastern, Central and Western Divisions are defined in General Information Section No. 1.

	<u>Summer Months*</u>	<u>Other Months</u>
All kWh ..... @	1.515 ¢ per kWh	1.515 ¢ per kWh

- (b) Transmission Surcharge – This charge is applicable to all customers taking Basic Generation Service from the Company and includes surcharges related to Reliability Must Run, EL05-121 Settlement and Transmission Enhancement Charges.

All kWh ..... @	1.220 ¢ per kWh	1.220 ¢ per kWh
-----------------	-----------------	-----------------

(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, Securitization Charges, Temporary Tax Act Credit, and Zero Emission Certificate Recovery Charge.

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, Securitization Charges, Temporary Tax Act Credit, and Zero Emission Certificate Recovery Charge as described in General Information Section Nos. 33, 34, 35, 36, and 37 respectively, shall be assessed on all kWh delivered hereunder.

\* Definition of Summer Billing Months - June through September

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Robert Sanchez, President  
Mahwah, New Jersey 07430

DRAFT

Revised Leaf No. 90  
Superseding Leaf No. 90

**SERVICE CLASSIFICATION NO. 2  
GENERAL SERVICE (Continued)**

**RATE – MONTHLY (Continued)**

(3) Transmission Charges (Continued)

- (b) Transmission Surcharge – This charge is applicable to all customers taking Basic Generation Service from the Company and includes surcharges related to Reliability Must Run, EL05-121 Settlement and Transmission Enhancement Charges.

Summer Months\*      Other Months

Secondary Voltage Service Only

All kWh .....@      0.751 ¢ per kWh      0.751 ¢ per kWh

Primary Voltage Service Only

All kWh .....@      0.720 ¢ per kWh      0.720 ¢ per kWh

- (4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, Securitization Surcharges, Temporary Tax Act Credit, and Zero Emission Certificate Recovery Charge.

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, Securitization Charges, Temporary Tax Act Credit, and Zero Emission Certificate Recovery Charge as described in General Information Section Nos. 33, 34, 35, 36, and 37 respectively, shall be assessed on all kWh delivered hereunder.

\* Definition of Summer Billing Months - June through September

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY:      Robert Sanchez, President  
Mahwah, New Jersey 07430

DRAFT

Revised Leaf No. 96  
Superseding Leaf No. 96

**SERVICE CLASSIFICATION NO. 3  
RESIDENTIAL TIME-OF-DAY HEATING SERVICE (Continued)**

**RATE – MONTHLY (Continued)**

(3) Transmission Charge

- (a) These charges apply to all customers taking Basic Generation Service from the Company. These charges are also applicable to customers located in the Company's Central and Western Divisions and obtaining Competitive Energy Supply. These charges are not applicable to customers located in the Company's Eastern Division and obtaining Competitive Energy Supply. The Company's Eastern, Central and Western Divisions are defined in General Information Section No. 1.

Summer Months\*

Other Months

Peak

All kWh measured between 10:00  
a.m. and 10:00 p.m., Monday  
through Friday .....@

1.515 ¢ per kWh

1.515 ¢ per kWh

Off-Peak

All other kWh .....@

1.515 ¢ per kWh

1.515 ¢ per kWh

- (b) Transmission Surcharge – This charge is applicable to all customers taking Basic Generation Service from the Company and includes surcharges related to Reliability Must Run, EL05-121 Settlement and Transmission Enhancement Charges.

All kWh .....@

0.743 ¢ per kWh

0.743 ¢ per kWh

(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, Securitization Charges, Temporary Tax Act Credit, and Zero Emission Certificate Recovery Charge.

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, Securitization Charges, Temporary Tax Act Credit, and Zero Emission Certificate Recovery Charge as described in General Information Section Nos. 33, 34, 35, 36, and 37 respectively, shall be assessed on all kWh delivered hereunder.

\* Definition of Summer Billing Months - June through September

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Robert Sanchez, President  
Mahwah, New Jersey 07430



DRAFT

Revised Leaf No. 109  
Superseding Leaf No. 109

**SERVICE CLASSIFICATION NO. 5  
RESIDENTIAL SPACE HEATING SERVICE (Continued)**

**RATE - MONTHLY (Continued)**

(3) Transmission Charge

- (a) These charges apply to all customers taking Basic Generation Service from the Company. These charges are also applicable to customers located in the Company's Central and Western Divisions and obtaining Competitive Energy Supply. These charges are not applicable to customers located in the Company's Eastern Division and obtaining Competitive Energy Supply. The Company's Eastern, Central and Western Divisions are defined in General Information Section No. 1.

	<u>Summer Months*</u>	<u>Other Months</u>
All kWh ..... @	1.515 ¢ per kWh	1.515 ¢ per kWh

- (b) Transmission Surcharge – This charge is applicable to all customers taking Basic Generation Service from the Company and includes surcharges related to Reliability Must Run, EL05-121 Settlement and Transmission Enhancement Charges.

All kWh ..... @	0.766 ¢ per kWh	0.766 ¢ per kWh
-----------------	-----------------	-----------------

(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, Securitization Charges, Temporary Tax Act Credit, and Zero Emission Certificate Recovery Charge.

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, Securitization Charges, Temporary Tax Act Credit, and Zero Emission Certificate Recovery Charge as described in General Information Section Nos. 33, 34, 35, 36, and 37 respectively, shall be assessed on all kWh delivered hereunder.

\* Definition of Summer Billing Months - June through September

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Robert Sanchez, President  
Mahwah, New Jersey 07430



ROCKLAND ELECTRIC COMPANY  
B.P.U. NO. 3 – ELECTRICITY

35th Leaf No. 124  
Superseding Leaf No. 124

SERVICE CLASSIFICATION NO. 7  
LARGE GENERAL TIME-OF-DAY SERVICE (Continued)

RATE– MONTHLY (Continued)

(3) Transmission Charges (Continued)

(a) (Continued)

		<u>Primary</u>	<u>High Voltage Distribution</u>
<u>Demand Charge</u>			
Period I	All kW @	\$2.41 per kW	\$2.41 per kW
Period II	All kW @	0.64 per kW	0.64 per kW
Period III	All kW @	2.41 per kW	2.41 per kW
Period IV	All kW @	0.64 per kW	0.64 per kW

Usage Charge

Period I	All kWh @	0.404 ¢ per kWh	0.404 ¢ per kWh
Period II	All kWh @	0.404 ¢ per kWh	0.404 ¢ per kWh
Period III	All kWh @	0.404 ¢ per kWh	0.404 ¢ per kWh
Period IV	All kWh @	0.404 ¢ per kWh	0.404 ¢ per kWh

- (b) Transmission Surcharge – This charge is applicable to all customers taking Basic Generation Service from the Company and includes surcharges related to Reliability Must Run, EL05-121 Settlement and Transmission Enhancement Charges.

		<u>Primary</u>	<u>High Voltage Distribution</u>
All Periods	All kWh @	0.430 ¢ per kWh	0.430 ¢ per kWh

(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, Securitization Charges, Temporary Tax Act Credit, and Zero Emission Certificate Recovery Charge.

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, Securitization Charges, Temporary Tax Act Credit, and Zero Emission Certificate Recovery Charge as described in General Information Section Nos. 33, 34, 35, 36, and 37 respectively, shall be assessed on all kWh delivered hereunder.

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Robert Sanchez, President  
Mahwah, New Jersey 07430

DRAFT

Revised Leaf No. 127  
Superseding Leaf No. 127

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**SERVICE CLASSIFICATION NO. 7  
LARGE GENERAL TIME-OF-DAY SERVICE (Continued)**

**SPECIAL PROVISIONS**

(A) Space Heating

Customers who take service under this classification for 10 kW or more of permanently installed space heating equipment may elect to have the electricity for this service billed separately. All monthly use shall be billed at a Distribution Charge of 2.902 ¢ per kWh during the billing months of October through May and 4.693 ¢ per kWh during the summer billing months, a Transmission Charge of 0.404 ¢ per kWh and a Transmission Surcharge of 0.430 ¢ per kWh during all billing months. The applicability of Transmission Charges and the Transmission Surcharge is described in Part (3) of RATE – MONTHLY.

When this option is requested it shall apply for at least 12 months and shall be subject to a minimum charge of \$26.87 per year per kW of space heating capacity. This provision applies for both heating and cooling where the two services are combined by the manufacturer in a single self-contained unit.

All usage under this Special Provision shall also be subject to Parts (4), (5), and (6) of RATE – MONTHLY. This Special Provision is not available to those customers taking high voltage distribution service.

This special provision is closed to new customers effective August 1, 2014.

(B) Budget Billing Plan

Any condominium association or cooperative housing corporation who takes service hereunder and any other customer taking service under Special Provision B of this Service Classification may, upon request, be billed monthly in accordance with the budget billing plan provided for in General Information Section 8 of this tariff.

(Continued)

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ISSUED:

EFFECTIVE:

ISSUED BY: Robert Sanchez, President  
Mahwah, New Jersey 07430

**Attachment 5b**

**RECO Translation of JCP&L Schedule 12 (Transmission Enhancement)  
Charges into Customer Rates**

## Rockland Electric Company

## Calculation of Transmission Surcharges reflecting proposed changes effective January 1, 2020

To reflect: RMR Costs

FERC-approved ACE Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates  
 FERC-approved AEP-East Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates  
 FERC-approved BG&E Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates  
 FERC-approved Delmarva Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates  
 FERC-approved PATH Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates  
 FERC-approved PEPCO Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates  
 FERC-approved PPL Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates  
 FERC-approved PSE&G Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates  
 FERC-approved TrailCo Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates  
 FERC-approved VEPCo Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates  
 FERC-approved MAIT Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates  
 FERC-approved JCP&L Project Schedule 12 Charges (Schedule 12 PJM OATT)  
 FERC-approved PECO Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates  
 FERC-approved EL05-121 Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates

## (A) Transmission Surcharge rates by Transmission Project and Service Class (excluding SUT)

Transmission Project	Note	SC1	SC2 Sec	SC2 Pri	SC3	SC4	SC5	SC6	SC7
Reliability Must Run	(1)	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
ACE - TEC	(2)	0.00003	0.00002	0.00002	0.00002	0.00000	0.00002	0.00000	0.00001
AEP-East - TEC	(3)	0.00009	0.00006	0.00006	0.00006	0.00000	0.00006	0.00000	0.00003
BG&E - TEC	(4)	0.00001	0.00001	0.00001	0.00001	0.00000	0.00001	0.00000	0.00001
Delmarva - TEC	(5)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
PATH - TEC	(6)	0.00001	0.00001	0.00001	0.00001	0.00000	0.00001	0.00000	0.00000
PEPCO - TEC	(7)	0.00001	0.00001	0.00001	0.00001	0.00000	0.00001	0.00000	0.00000
PPL - TEC	(8)	0.00098	0.00081	0.00055	0.00066	0.00000	0.00058	0.00000	0.00036
PSE&G - TEC	(9)	0.00874	0.00531	0.00515	0.00513	0.00000	0.00548	0.00000	0.00306
TrailCo - TEC	(10)	0.00026	0.00016	0.00014	0.00017	0.00000	0.00016	0.00000	0.00009
VEPCo - TEC	(11)	0.00021	0.00013	0.00012	0.00012	0.00000	0.00013	0.00000	0.00007
MAIT - TEC	(12)	0.00006	0.00004	0.00004	0.00004	0.00000	0.00004	0.00000	0.00002
JCP&L - TEC	(13)	0.00029	0.00020	0.00018	0.00022	0.00000	0.00017	0.00000	0.00011
PECO - TEC	(14)	0.00009	0.00006	0.00005	0.00006	0.00000	0.00005	0.00000	0.00003
EL05-121	(15)	0.00067	0.00044	0.00042	0.00048	0.00000	0.00049	0.00000	0.00025
Total (\$/kWh and excl SUT)		\$0.01145	\$0.00706	\$0.00676	\$0.00699	\$0.00000	\$0.00720	\$0.00000	\$0.00404
Total (¢/kWh and excl SUT)		1.145 ¢	0.706 ¢	0.676 ¢	0.699 ¢	0.000 ¢	0.720 ¢	0.000 ¢	0.404 ¢

## (B) Transmission Surcharge rates by Transmission Project and Service Class (including SUT)

6.625%

Transmission Project	Note	SC1	SC2 Sec	SC2 Pri	SC3	SC4	SC5	SC6	SC7
Reliability Must Run	(1)	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
ACE - TEC	(2)	0.00003	0.00002	0.00002	0.00002	0.00000	0.00002	0.00000	0.00001
AEP-East - TEC	(3)	0.00010	0.00006	0.00006	0.00006	0.00000	0.00006	0.00000	0.00003
BG&E - TEC	(4)	0.00001	0.00001	0.00001	0.00001	0.00000	0.00001	0.00000	0.00001
Delmarva - TEC	(5)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
PATH - TEC	(6)	0.00001	0.00001	0.00001	0.00001	0.00000	0.00001	0.00000	0.00000
PEPCO - TEC	(7)	0.00001	0.00001	0.00001	0.00001	0.00000	0.00001	0.00000	0.00000
PPL - TEC	(8)	0.00104	0.00065	0.00059	0.00070	0.00000	0.00062	0.00000	0.00038
PSE&G - TEC	(9)	0.00932	0.00566	0.00549	0.00547	0.00000	0.00584	0.00000	0.00326
TrailCo - TEC	(10)	0.00028	0.00017	0.00015	0.00018	0.00000	0.00016	0.00000	0.00010
VEPCo - TEC	(11)	0.00022	0.00014	0.00013	0.00013	0.00000	0.00014	0.00000	0.00007
MAIT - TEC	(12)	0.00006	0.00004	0.00004	0.00004	0.00000	0.00004	0.00000	0.00002
JCP&L - TEC	(13)	0.00031	0.00021	0.00019	0.00023	0.00000	0.00018	0.00000	0.00012
PECO - TEC	(14)	0.00010	0.00006	0.00005	0.00006	0.00000	0.00005	0.00000	0.00003
EL05-121	(15)	0.00071	0.00047	0.00045	0.00051	0.00000	0.00052	0.00000	0.00027
Total (\$/kWh and incl SUT)		\$0.01220	\$0.00751	\$0.00720	\$0.00743	\$0.00000	\$0.00766	\$0.00000	\$0.00430
Total (¢/kWh and incl SUT)		1.220 ¢	0.751 ¢	0.720 ¢	0.743 ¢	0.000 ¢	0.766 ¢	0.000 ¢	0.430 ¢

Notes:

- (1) RMR rates based on allocation by transmission zone.
- (2) ACE-TEC rates pursuant to the Board's Order dated August 7, 2019 in Docket No. ER19060763.
- (3) AEP-East-TEC rates pursuant to the Board's Order dated January 17, 2019 in Docket No. ER18121290.
- (4) BG&E-TEC rates pursuant to the Board's Order dated August 7, 2019 in Docket No. ER19060763.
- (5) Delmarva-TEC rates pursuant to the Board's Order dated August 7, 2019 in Docket No. ER19060763.
- (6) PATH-TEC rates pursuant to the Board's Order dated January 17, 2019 in Docket No. ER18121290.
- (7) PEPCO-TEC rates pursuant to the Board's Order dated August 7, 2019 in Docket No. ER19060763.
- (8) PPL-TEC rates pursuant to the Board's Order dated August 7, 2019 in Docket No. ER19060763.
- (9) PSE&G-TEC rates calculated in Attachment 5 of the joint filing made on December 6, 2018 Docket No. ER18121290.
- (10) TrailCo-TEC rates pursuant to the Board's Order dated August 7, 2019 in Docket No. ER19060763.
- (11) VEPCo-TEC rates pursuant to the Board's Order dated January 17, 2019 in Docket No. ER18121290.
- (12) MAIT-TEC rates pursuant to the Board's Order dated January 17, 2019 in Docket No. ER18121290.
- (13) JCP&L-TEC rates calculated in Attachment 5 of the joint filing.
- (14) PECO-TEC rates pursuant to the Board's Order dated August 7, 2019 in Docket No. ER19060763..
- (15) EL05-121 rates pursuant to the Board's Order dated May 18, 2019 in Docket No. ER19040440.



**Rockland Electric Company**

Calculation of Transmission Surcharges reflecting changes in Transmission Enhancement Charges (JCP&L) effective January 1, 2020.  
To reflect FERC-approved JCP&L Project Schedule 12 Charges (Schedule 12 PJM OATT) for the period January 2020 to December 2020

2020 Average Monthly JCP&L-TEC Costs Allocated to RECO	\$	27,855	(1)
2020 RECO Zone Transmission Peak Load (MW)		459.6	(2)
Transmission Enhancement Rate (\$/MW-month)	\$	60.61	
SUT		6.625%	

	Col. 1	Col. 2	Col.3=Col.2 x \$27,855 x 12	Col. 4	Col. 5 = Col. 3/Col. 4	Col. 6 = Col. 5 x 1.07
Rate Class	BGS-Eligible Transmission Obligation (MW)	Transmission Obligation (Pct)	Allocated Cost Recovery (1)	BGS Eligible Sales Jan 2020 - Dec 2020 (kWh)	Transmission Enhancement Charge (\$/kWh)	Transmission Enhancement Charge w/ SUT (\$/kWh)
SC1	273.7	59.55%	\$ 199,071	687,049,000	\$ 0.00029	\$ 0.00031
SC2 Secondary	131.7	28.65%	\$ 95,764	475,247,000	\$ 0.00020	\$ 0.00021
SC2 Primary	15.3	3.33%	\$ 11,122	60,494,000	\$ 0.00018	\$ 0.00019
SC3	0.1	0.02%	\$ 60	274,000	\$ 0.00022	\$ 0.00023
SC4	0.0	0.00%	\$ -	6,441,000	\$ -	\$ -
SC5	3.5	0.75%	\$ 2,515	14,472,000	\$ 0.00017	\$ 0.00018
SC6	0.0	0.00%	\$ -	5,600,000	\$ -	\$ -
SC7	35.4	7.70%	\$ 25,733	233,488,000	\$ 0.00011	\$ 0.00012
Total	459.6 (2)	100.00%	\$ 334,265	1,483,065,000		

(1) Attachment 6 - Cost Allocation of JCP&L Schedule 12 Charges to RECO Zone for the period January 2020 to December 2020

(2) Includes RECO's Central and Western Divisions

**BGS-FP Supplier Payment Adjustment**Line No.

1	BGS-RSCP Eligible Sales Jan - Dec @ cust (RECO Eastern Division)	1,198,920	MWH
2	BGS-RSCP Eligible Sales Jan - Dec @ trans node (RECO Eastern Division)	1,115,768	MWH
3	BGS-RSCP Eligible Transmission Obligation	426	MW
4	Transmission Enhancement Costs to RSCP Suppliers	\$ 309,542.00	= Line 3 x \$60.61 * 12
5	Change in Supplier Payment Rate \$/MWH (rounded to 2 decimals)	\$ 0.28	= Line 4/Line 2

**Attachment 6 – PJM Schedule 12 (Transmission Enhancement)  
Charges**

**JCP&L Project Charges**

**Attachment 6 - PJM Schedule 12 - Transmission Enhancement Charges for January 2020 - December 2020**  
**Calculation of Costs and Monthly PJM charges for JCP&L Projects**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
Required Transmission Enhancement	PJM Upgrade ID	Jan - Dec 2020	Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
		Annual Revenue	ACE	JCP&L	PSE&G	RE	ACE	JCP&L	PSE&G	RE	Total
		Requirement	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	NJ Zones
			Share	Share	Share <sup>1,2</sup>	Share	Charges	Charges	Charges	Charges	Charges
		Attachment H-4A, Attachment 11	PJM Website Transmission Enhancement Worksheet For October 2019								
	per PJM spreadsheet										
Upgrade the Portland - Greystone 230kV circuit	b0174	\$1,300,508	0.00%	35.98%	55.27%	2.99%	\$0	\$467,923	\$718,791	\$38,885	\$1,225,599
Reconductor the 8 mile Gilbert - Glen Gardner 230kV circuit	b0268	\$642,197	0.00%	62.43%	33.08%	1.46%	\$0	\$400,924	\$212,439	\$9,376	\$622,738
Add a 2nd Raritan River 230/115 kV transformer	b0726	\$819,833	2.45%	97.55%	0.00%	0.00%	\$20,086	\$799,747	\$0	\$0	\$819,833
Build a new 230kV circuit from Larrabee to Oceanview	b2015	\$19,324,505	0.00%	37.04%	37.08%	1.48%	\$0	\$7,157,797	\$7,165,526	\$286,003	\$14,609,326
Totals		\$22,087,043					\$20,086	\$8,826,390	\$8,096,756	\$334,264	\$17,277,496

	(k)	(l)	(m)	(n)	(o)
Zonal Cost Allocation for New Jersey Zones	Average Monthly Impact on Zone Customers in 2020	2020 Trans. Peak Load <sup>2</sup>	Rate in \$/MW-mo. <sup>1</sup>	2020 Impact (12 months)	
PSE&G	\$674,730	9,752.5	\$69.19	\$8,096,756	
JCP&L	\$735,533	6,057.1	\$121.43	\$8,826,390	
ACE	\$1,674	2,737.3	\$0.61	\$20,086	
RE	\$27,855	393.1	\$70.86	\$334,264	
<b>Total Impact on NJ Zones</b>	<b>\$1,439,791</b>	<b>18,940.0</b>		<b>\$17,277,496</b>	

= (k) / (l)      = (k) \*12

**Notes:**

1) Uncompressed rate - assumes implementation on January 1, 2020

2) Data on PJM website

## **Attachment 7 – Cost Allocations**

**Responsible Customer Shares for JCP&L Schedule 12 Projects Source –  
PJM OATT**

**Attachment 7 - Responsible Customer Charges for JCP&L Schedule 12 Projects Source - PJM OATT**  
<https://www.pjm.com/planning/project-construction.aspx>

Upgrade Id	Sub Region	Description	Project Type	Voltage	Cost Estimate	Required Date	Transmission Owner	Cost Allocation Percent	State
b0174	Mid-Atlantic	Upgrade the Portland – Greystone 230kV circuit	Baseline	230	20	6/1/2008	JCPL	JCPL: 35.98, Neptune: 5.76, PSEG: 55.27, RE: 2.99	NJ
b0268	Mid-Atlantic	Reconductor the 8 mile Gilbert - Glen Gardner 230kV circuit	Baseline	230	7	6/1/2011	JCPL	JCPL: 62.43, Neptune: 3.03, PSEG: 33.08, RE: 1.46	NJ
b0726	Mid-Atlantic	Add a 2nd Raritan River 230/115 kV transformer	Baseline	230/115	7.1	6/1/2013	JCPL	AEC: 2.45, JCPL: 97.55	NJ
b2015	Mid-Atlantic	Build a new 230 kV circuit from Larrabee to Oceanview	Baseline	230	78.33	6/1/2016	JCPL	JCPL: 37.04, Neptune: 24.40, PSEG: 37.08, RE: 1.48	NJ



Upgrade Id	Location	Equipment	Task	Status	Status Title	Status Detail	TEAC Cost	Driver	Projected In Service	Actual In Service
b0174	Portland - Greystone	Transmission Line	Reconductor	IS	In Service	Project complete, fully energized and planning criteria met.	20	Baseline Load Growth Deliverability & Reliability	5/31/2008	5/7/2008
b0268	Gilbert - Glen Gardner	Transmission Line	Reconductor	IS	In Service	Project complete, fully energized and planning criteria met.	7	Baseline Load Growth Deliverability & Reliability	6/1/2011	5/17/2011
b0726	Raritan River	Transformer	Install	IS	In Service	Project complete, fully energized and planning criteria met.	7.1	Growth Deliverability & Reliability	6/1/2014	5/3/2014
b2015	Larrabee - Oceanview	Transmission Line	Build	IS	In Service	Project complete, fully energized and planning criteria met.	78.33	Baseline Load Growth Deliverability & Reliability	6/30/2017	7/14/2017

**Attachment 8**

**JCP&L Formula Rate for January 1, 2020 to December 31, 2020**

## Attachment 8

Period II

Statement BK  
Attachment II-4A  
page 1 of 5

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2020

Line No.	(1)	(2)	Jersey Central Power & Light (3)	(4)	(5) Allocated Amount
1	GROSS REVENUE REQUIREMENT (page 3, line 42, col 5)				\$ 170,350,964
	REVENUE CREDITS	(Note T)	Total	Allocator	
2	Account No. 451	(page 4, line 29)	-	TP 0.99785	-
3	Account No. 451	(page 4, line 30)	81,960	TP 0.99785	81,784
4	Account No. 456	(page 4, line 31)	712,824	TP 0.99785	711,292
5	Revenues from Grandfathered Interzonal Transactions		-	TP 0.99785	-
6	Revenues from service provided by the ISO at a discount		-	TP 0.99785	-
7	TEC Revenue	Attachment 11, Page 2, Line 3, Col. 12	22,087,043	TP 0.99785	22,039,589
8	TOTAL REVENUE CREDITS (sum lines 2-7)		22,881,826		22,832,665
9	True-up Adjustment with Interest	(Attachment 13, Line 28) enter negative			-
10	NET REVENUE REQUIREMENT	(Line 1 - Line 8 + Line 9)			\$ 147,518,299
	DIVISOR				Total
11	1 Coincident Peak (CP) (MW)			(Note A)	6,057.1
12	Average 12 CPs (MW)			(Note CC)	4,053.2
13	Annual Rate (\$/MW/Yr)	(line 10 / line 11)	Total 24,354.61		
			Peak Rate		Off-Peak Rate
			Total		Total
14	Point-to-Point Rate (\$/MW/Year)	(line 10 / line 12)	36,395.51		36,395.51
15	Point-to-Point Rate (\$/MW/Month)	(line 14/12)	3,032.96		3,032.96
16	Point-to-Point Rate (\$/MW/Week)	(line 14/52)	699.91		699.91
17	Point-to-Point Rate (\$/MW/Day)	(line 16/5, line 16/7)	139.98		99.99
18	Point-to-Point Rate (\$/MWh)	(line 14/4,160, line 14/8,760)	8.75		4.15

## Attachment 8

Statement BK  
Attachment 13-4A  
page 2 of 5

Period II

For the 12 months ended 12/31/2020

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 DataJersey Central Power & Light  
(3)

(1)	(2)	(3)	(4)	(5)
Line No.	Source	Company Total	Allocator	Transmission (Col 3 times Col 4)
<b>RATE BASE:</b>				
<b>GROSS PLANT IN SERVICE</b>				
1	Production	Attachment 3, Line 14, Col. 1 (Notes U & X)	NA	
2	Transmission	Attachment 3, Line 14, Col. 2 (Notes U & X)	TP	0.99785
3	Distribution	Attachment 3, Line 14, Col. 3 (Notes U & X)	NA	
4	General & Intangible	Attachment 3, Line 14, Col. 4 & 5 (Notes U & X)	W/S	0.03600
5	Common	Attachment 3, Line 14, Col. 6 (Notes U & X)	CE	0.03600
6	TOTAL GROSS PLANT (sum lines 1-5)	7,296,513,393	OP=	24.200%
<b>ACCUMULATED DEPRECIATION</b>				
7	Production	Attachment 4, Line 14, Col. 1 (Notes U & X)	NA	
8	Transmission	Attachment 4, Line 14, Col. 2 (Notes U & X)	TP	0.99785
9	Distribution	Attachment 4, Line 14, Col. 3 (Notes U & X)	NA	
10	General & Intangible	Attachment 4, Line 14, Col. 4 & 5 (Notes U & X)	W/S	0.03600
11	Common	Attachment 4, Line 14, Col. 6 (Notes U & X)	CE	0.03600
12	TOTAL ACCUM. DEPRECIATION (sum lines 7-11)	2,206,082,980		
<b>NET PLANT IN SERVICE</b>				
13	Production	(line 1 - line 7)		
14	Transmission	(line 2 - line 8)		
15	Distribution	(line 3 - line 9)		
16	General & Intangible	(line 4 - line 10)		
17	Common	(line 5 - line 11)		
18	TOTAL NET PLANT (sum lines 13-17)	5,090,432,613	NP=	25.97%
<b>ADJUSTMENTS TO RATE BASE</b>				
19	Account No. 281 (enter negative)	Attachment 5, Line 1, Col. 1 (Notes C, F)	NA	
20	Account No. 282 (enter negative)	Attachment 5, Line 1, Col. 2 (Notes C, F)	DA	1.00000
21	Account No. 283 (enter negative)	Attachment 5, Line 1, Col. 3 (Notes C, F)	DA	1.00000
22	Account No. 190	Attachment 5, Line 1, Col. 4 (Notes C, F)	DA	1.00000
23	Account No. 255 (enter negative)	Attachment 5, Line 1, Col. 5 (Notes C, F)	DA	1.00000
24	Unfunded Reserve Plant-related (enter negative)	Attachment 14, Line 6, Col. 6 (Notes C & Y)	DA	1.00000
25	Unfunded Reserve Labor-related (enter negative)	Attachment 14, Line 9, Col. 6 (Notes C & Y)	DA	1.00000
26	CWIP	216.b (Notes X & Z)	DA	1.00000
27	Unamortized Abandoned Plant	Attachment 16, Line 15, Col. 7 (Notes X & BB)	DA	1.00000
28	TOTAL ADJUSTMENTS (sum lines 19-27)	(381,207,354)		
29	LAND HELD FOR FUTURE USE	214.x.d (Attachment 14, Line 3, Col. 1) (Notes G & Y)	TP	0.99785
30	WORKING CAPITAL (Note 11)			
31	CWC	1/8*(Page 3, Line 14 minus Page 3, Line 11)	TE	0.95325
32	Materials & Supplies (Note G)	227.8 c & 16.e (Attachment 14, Line 3, Col. 2) (Note Y)	GP	0.24200
33	Prepayments (Account 165)	111.57.c (Attachment 14, Line 3, Col. 3) (Notes B & Y)		
34	TOTAL WORKING CAPITAL (sum lines 31 - 33)	9,811,862		
35	RATE BASE (sum lines 18, 28, 29, & 34)	4,719,037,121		

Period II

Statement BK  
Attachment H-4A  
page 3 of 5

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2020

Line No.	(1)	(2)	(3)	(4)	(5)
		Source	Company Total	Allocator	Transmission (Col 3 times Col 4)
1	O&M				
1	Transmission	321.112.b	32,288,618	TE	0.95325
2	Less LSE Expenses Included in Transmission O&M Accounts (Note W)		255,960	DA	1.00000
3	Less Account 565	321.96.b	306,000	DA	1.00000
4	Less Account 566	321.97.b	(7,388,875)	DA	1.00000
5	A&G	323.197.b	35,565,079	W/S	0.08600
6	Less FERC Annual Fees		-	W/S	0.08600
7	Less EPRI & Reg. Comm. Exp. & Non-safety Ad. (Note I)		5,474,418	W/S	0.08600
8	Plus Transmission Related Reg. Comm. Exp. (Note I)		-	TE	0.95325
9	PBOF Expense Adjustment in Year	Attachment 6, Line 11 (Note C)	(370,941)	DA	1.00000
10	Common	356.1	-	CE	0.08600
11	Account 566 Amortization of Regulatory Assets	321.97.b (notes)	-	DA	1.00000
12	Acct. 566 Miscellaneous Transmission Expense (less amortization of regulatory asset)	321.97.b - line 11	(7,388,875)	DA	1.00000
13	Total Account 566 (sum lines 11 & 12, ties to 321.97.b)		(7,388,875)		(7,388,875)
14	TOTAL O&M (sum lines 1, 5, 8, 9, 10, 13 less 2, 3, 4, 6, 7)		61,446,378		32,434,011
	DEPRECIATION AND AMORTIZATION EXPENSE				
15	Transmission	336.7.b (Note U)	38,470,624	TP	0.99785
16	General & Intangible	336.1.f & 336.10.f (Note U)	20,282,906	W/S	0.08600
17	Common	336.11.b (Note U)	-	CE	0.08600
18	Amortization of Abandoned Plant	Attachment 16, Line 15, Col. 5 (Note BB)	-	DA	1.00000
19	TOTAL DEPRECIATION (sum lines 15 - 18)		58,753,530		40,132,257
	TAXES OTHER THAN INCOME TAXES (Note J)				
	LABOR RELATED				
20	Payroll	263.i (Attachment 7, line 1c)	11,650,873	W/S	0.08600
21	Highway and vehicle	263.i (Attachment 7, line 2c)	6,975	W/S	0.08600
22	PLANT RELATED				
23	Property	263.i (Attachment 7, line 3c)	6,340,843	GP	0.24200
24	Gross Receipts	263.i (Attachment 7, line 4c)	-	NA	-
25	Other	263.i (Attachment 7, line 5c)	3,085	GP	0.24200
26	Payments in lieu of taxes	Attachment 7, line 6c	-	GP	0.24200
27	TOTAL OTHER TAXES (sum lines 20 - 26)		18,001,776		2,537,758
	INCOME TAXES (Note K)				
28	$T = 1 - [(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)$		28.11%		
29	$CIT = (T - 1) * (1 - WCLTD/R)$ where WCLTD = (page 4, line 22) and R = (page 4, line 25) and FIT, SIT & p are as given in footnote K.		27.61%		
30	$1 / (1 - T) =$ (from line 29)		1.3910		
31	Amortized Investment Tax Credit (266.8 f) (enter negative)		(131,199)		
32	Tax Effect of Permanent Differences and AFUDC Equity (Attachment 15, Line 1, Col. 3) (Note D)		242,045		
33	(Excess)/Deficient Deferred Income Taxes (Attachment 15, Lines 2 & 3, Col. 3) (Note E)		(2,196,889)		
34	Income Tax Calculation = line 29 * line 32		105,839,824	NA	21,207,746
35	ITC adjustment (line 30 * line 31)		(182,500)	NP	0.25975
36	Permanent Differences and AFUDC Equity Tax Adjustment (line 30 * line 32)		356,688	DA	1.00000
37	(Excess)/Deficient Deferred Income Tax Adjustment (line 30 * line 33)		(3,055,904)	DA	1.00000
38	Total Income Taxes (sum lines 34 through 37)		102,938,108		18,441,126
39	RETURN	[Rate Base (page 2, line 35) * Rate of Return (page 4, line 25, col. 6)]	383,208,698.69	NA	76,805,811
40	GROSS REV. REQUIREMENT (WITHOUT INCENTIVE)	(sum lines 14, 19, 27, 38, 39)	624,448,491		170,350,964
41	ADDITIONAL INCENTIVE REVENUE	Attachment 11, Line 4 (Note AA)	0		0
42	GROSS REV. REQUIREMENT	(line 40 + line 41)	624,448,491		170,350,964



Formula Rate - Non-Available									
Rate Formula Template (Utilizing FERC Form 1 Data Major Central Power & Light)									
SUPPORTING CALCULATIONS AND NOTES									
Line No.	TRANSMISSION PLANT INCLUDED IN ISO RATES	(1)	(2)	(3)	(4)	(5)	(6)		
1	Total transmission plant (page 2, line 2, column 3)								
2	Less transmission plant included from ISO rates (Note M)								
3	Less transmission plant included in QATT Ancillary Services (Note N)								
4	Transmission plant included in ISO rates (line 3 less lines 2 & 3)								
5	Percentage of transmission plant included in ISO Rates (line 4 divided by line 1)								
TRANSMISSION EXPENSES									
6	Total transmission expenses (page 3, line 1, column 3)								
7	Less transmission expenses included in QATT Ancillary Services (Note L)								
8	Net transmission expenses (line 6 less line 7)								
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)								
10	Percentage of transmission plant included in ISO Rates (line 5)								
11	Percentage of transmission expenses included in ISO Rates (line 9 times line 10)								
WAGES & SALARY ALLOCATOR (WAS)									
Form 1 Reference									
12	Production	354 20.6							
13	Transmission	354 21.6							
14	Distribution	354 23.6							
15	Other	354 26, 354 25, 354 26 b							
16	Total (sum lines 12-15)	81,873.279							
COMMON PLANT ALLOCATOR (CP) (Note Q)									
17	Electric	200.3							
18	Gas	201.3 d							
19	Water	201.3 e							
20	Total (sum lines 17 - 19)	-							
RETURN (R)									
21	Preferred Dividends (118 29c) (positive number)								
22	Long Term Debt (112 24 c) (Attachment 8, Line 14, Col. 7) (Note X)								
23	Preferred Stock (112 34) (Attachment 8, Line 14, Col. 2) (Note X)								
24	Common Stock (Attachment 8, Line 14, Col. 6) (Note X)								
25	Total (sum lines 22-24)	3,520,241.27							
REVENUE CREDITS									
26	ACCOUNT 447 (SALES FOR RESALE)								
27	a. Bundled Sales for Resale (311 x b)								
28	b. Bundled Sales for Resale included in Divisor on page 1								
29	ACCOUNT 451 (MISCELLANEOUS SERVICE REVENUE) (Note S)								
30	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note R)								
31	ACCOUNT 456 (OTHER ELECTRIC REVENUE) (Note V)								

31	ACCOUNT 456 (OTHER ELECTRIC REVENUE) (Note V)	(30 x n)							
30	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note R)	(300.19 b)							
29	ACCOUNT 451 (MISCELLANEOUS SERVICE REVENUE) (Note S)	(300.17 b)							
28	Total of (a)-(b)								
27	b. Bundled Sales for Resale included in Divisor on page 1								
26	a. Bundled Sales for Resale (311 x b)								
25	ACCOUNT 447 (SALES FOR RESALE)	(310.311)							
24	Common Stock (Attachment 8, Line 14, Col. 6) (Note X)								
23	Preferred Stock (112 34) (Attachment 8, Line 14, Col. 2) (Note X)								
22	Long Term Debt (112 24 c) (Attachment 8, Line 14, Col. 7) (Note X)								
21	Preferred Dividends (118 29c) (positive number)								
20	Total (sum lines 17 - 19)								
19	Water	201.3 e							
18	Gas	201.3 d							
17	Electric	200.3 c							
16	Total (sum lines 12-15)								
15	Other	354 26, 354 25, 354 26 b							
14	Distribution	354 23.6							
13	Transmission	354 21.6							
12	Production	354 20.6							
11	Percentage of transmission expenses included in ISO Rates (line 9 times line 10)								
10	Percentage of transmission plant included in ISO Rates (line 5)								
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)								
8	Net transmission expenses (line 6 less line 7)								
7	Less transmission expenses included in QATT Ancillary Services (Note L)								
6	Total transmission expenses (page 3, line 1, column 3)								
5	Percentage of transmission plant included in ISO Rates (line 4 divided by line 1)								
4	Transmission plant included in ISO rates (line 3 less lines 2 & 3)								
3	Less transmission plant included from ISO rates (Note M)								
2	Less transmission plant included in QATT Ancillary Services (Note N)								
1	Total transmission plant (page 2, line 2, column 3)								

Period II

Statement BK  
Attachment H-4A  
page 5 of 5

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2020

Jersey Central Power &amp; Light

General Note: References to pages in this formula rate are indicated as: (page#, line#, col.#)  
References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)Note  
Letter

- A As provided by PJM and in effect at the time of the annual rate calculations pursuant to Section 34.1 of the PJM OATT.
- B Prepayments shall exclude prepayments of income taxes.
- C Transmission-related only
- D Includes the annual income tax cost or benefits due to permanent differences or differences between the amounts of expenses or revenues recognized in one period for ratemaking purposes and the amounts recognized for income tax purposes which do not reverse in one or more other periods, including the cost of income taxes on the Allowance for Other Funds Used During Construction.
- E Upon enactment of changes in tax law, income tax rates (including changes in apportionment) and other actions taken by a taxing authority, deferred taxes are re-measured and adjusted in the Company's books of account, resulting in excess or deficient accumulated deferred taxes. Such excess or deficient deferred taxes attributed to the transmission function will be based upon tax records and calculated in the calendar year in which the excess or deficient amount was measured and recorded for financial reporting purposes.
- F The balances in Accounts 190, 281, 282 and 283, should exclude all FASB 106 or 109 related amounts. For example, any and all amounts in contra accounts identified as regulatory assets or liabilities related to FASB 106 or 109 should be excluded. The balance of Account 255 is reduced by prior flow throughs and excluded if the utility chose to utilize amortization of tax credits against taxable income as discussed in Note K. Account 281 is not allocated.
- G Identified in Form 1 as being only transmission related.
- H Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at page 3, line 14, column 5 minus amortization of regulatory assets (page 3, line 11, col. 5). Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111, line 57 in the Form 1.
- I Line 7 - EPRI Annual Membership Dues listed in Form 1 at 353.f, all Regulatory Commission Expenses itemized at 351.h, and non-safety related advertising included in Account 936.1. Line 8 - Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting itemized at 351.h.
- J Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year. Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.
- K The currently effective income tax rate, where FIT is the Federal income tax rate, SIT is the State income tax rate, and  $p = \frac{\text{percentage of federal income tax deductible for state income taxes}}{\text{percentage of federal income tax deductible for state income taxes}}$ . If the utility is taxed in more than one state it must attach a work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) multiplied by  $(1/(1-T))$  (page 3, line 30).
- Inputs Required:
- |       |   |
|-------|---|
| FIT = | 21.00%  |
| SIT = | 9.00% (State Income Tax Rate or Composite SIT)                |
| $p =$ | (percent of federal income tax deductible for state purposes) |
- L Removes dollar amount of transmission expenses included in the OATT ancillary services rates, including Account Nos. 561.1 - 561.3, and 561.BA., and related to generation step-up facilities, which are deemed included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
- M Removes transmission plant determined by Commission order to be state-jurisdictional according to the seven-factor test (until Form 1 balances are adjusted to reflect application of seven-factor test).
- N Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
- O Enter dollar amounts
- P Debt cost rate = Attachment 10, Column (j) total. Preferred cost rate = preferred dividends (line 21) / preferred outstanding (line 23). ROE will be supported in the original filing and no change in ROE may be made absent a filing with FERC.
- Q Line 28 must equal zero since all short-term power sales must be unbundled and the transmission component reflected in Account No. 456.1 and all other uses are to be included in the divisor.
- R Includes income related only to transmission facilities, such as pole attachments, rentals and special use.
- S Excludes revenues unrelated to transmission services.
- T The revenues credited on page 1, lines 2-6 shall include only the amounts received directly (in the case of grandfathered agreements) or from the ISO (for service under this tariff) reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, ancillary services, or facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template. The revenue on line 7 is supported by its own reference.
- U Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC.
- V On Page 4, Line 31, enter revenues from RTO settlements that are associated with NTS and firm Point-to-Point Service for which the load is not included in the divisor to derive JCP&L's zonal rates. Exclude non-firm Point-to-Point revenues and revenues related to RTEP projects.
- W Account Nos. 561.4, 561.8, and 575.7 consist of RTO expenses billed to load-serving entities and are not included in Transmission Owner revenue requirements.
- X Calculate using a 13 month average balance.
- Y Calculate using average of beginning and end of year balance.
- Z Includes only CWIP authorized by the Commission for inclusion in rate base.
- AA Any actual ROE incentive must be approved by the Commission; therefore, line will remain zero until a project(s) is granted an ROE incentive adder.
- BB Unamortized Abandoned Plant and Amortization of Abandoned Plant will be zero until the Commission accepts or approves recovery of the cost of abandoned plant. Utility must submit a Section 205 filing to recover the cost of abandoned plant.
- CC Peak as would be reported on page 401, column d of Form 1 at the time of the zonal peak for the twelve month period ending October 31 of the calendar year used to calculate rates. The projection year will utilize the most recent preceding 12-month period at the time of the filing.

Attachment 8

Period II

Statement BK  
Attachment H-4A, Attachment I  
page 1 of 1  
For the 12 months ended 12/31/2020

Schedule 1A Rate Calculation

1 \$ 1,443,168 Attachment H-4A, Page 4, Line 7  
2 \$ 126,913 Revenue Credits for Sched 1A - Note A  
3 \$ 1,316,255 Net Schedule 1A Expenses (Line 1 - Line 2)  
4 22,380,876 Annual MWh in JCP&L Zone - Note E  
5 \$ 0.0588 Schedule 1A rate \$/MWh (Line 3/ Line 4)

Note:

- A Revenues received pursuant to PJM Schedule 1A revenue allocation procedures for transmission service outside of JCP&L's zone during the year used to calculate rates under Attachment H-4A.
- B Load expressed in MWh consistent with load used for billing under Schedule 1A for the JCP&L zone. Data from RTO settlement systems for the calendar year prior to the rate year.

Period II

## Attachment 8

## Incentive ROE Calculation

Statement BK  
Attachment H-4A, Attachment 2  
page 1 of 1  
For the 12 months ended 12/31/2020

Return Calculation		Source Reference	
1	Rate Base	Attachment H-4A, page 2, Line 35, Col. 5	945,581,130
2	Preferred Dividends	enter positive	0
3	Common Stock		
4	Proprietary Capital	Attachment 8, Line 14, Col. 1	3,674,649,455
5	Less Preferred Stock	Attachment 8, Line 14, Col. 2	0
6	Less Accumulated Other Comprehensive Income Account 219	Attachment 8, Line 14, Col. 4	-5,883,989
7	Less Account 216.1 & Goodwill	Attachment 8, Line 14, Col. 3 & 5	1,810,895,687
8	Common Stock	Attachment 8, Line 14, Col. 6	1,859,617,757
9	Capitalization		
10	Long Term Debt	Attachment H-4A, page 4, Line 22, Col. 3	1,650,629,970
11	Preferred Stock	Attachment H-4A, page 4, Line 23, Col. 3	0
12	Common Stock	Attachment H-4A, page 4, Line 24, Col. 3	1,859,617,757
13	Total Capitalization	Attachment H-4A, page 4, Line 25, Col. 3	3,520,247,727
14	Debt %	Total Long Term Debt	46.8896%
15	Preferred %	Preferred Stock	0.0000%
16	Common %	Common Stock	53.1104%
17	Debt Cost	Total Long Term Debt	0.0509
18	Preferred Cost	Preferred Stock	0.0000
19	Common Cost	Common Stock	0.1080
20	Weighted Cost of Debt	Total Long Term Debt (WCLTD) (Line 12 * Line 15)	0.0239
21	Weighted Cost of Preferred	Preferred Stock (Line 13 * Line 16)	0.0000
22	Weighted Cost of Common	Common Stock (Line 14 * Line 17)	0.0574
23	Rate of Return on Rate Base (ROR)	(Sum Lines 18 to 20)	0.0812
24	Investment Return = Rate Base * Rate of Return	(Line 1 * Line 21)	76,805,811
Income Taxes			
25	Income Tax Rates		
26	$T = 1 - ((1 - \text{SIT}) * (1 - \text{FIT})) / (1 - \text{SIT} * \text{FIT} * p) =$	Attachment H-4A, page 3, Line 28, Col. 3	28.11%
27	$\text{CIT} = (T / (1 - T)) * (1 - (\text{WCLTD} / \text{R})) =$	Calculated	27.81%
28	$1 / (1 - T) =$ (from line 23)	Attachment H-4A, page 3, Line 30, Col. 3	1.3910
29	Amortized Investment Tax Credit (289.6.f) (enter negative)	Attachment H-4A, page 3, Line 31, Col. 3	(131,199.25)
30	Tax Effect of Permanent Differences and AFUDC Equity	Attachment H-4A, page 3, Line 32, Col. 3	242,044.73
31	(Excess)/Deficient Deferred Income Taxes	Attachment H-4A, page 3, Line 33, Col. 3	(2,169,889.16)
32	Income Tax Calculation	(Line 22 * line 24)	21,207,745.93
33	ITC adjustment	Attachment H-4A, page 3, Line 35, Col. 5	(47,403.61)
34	Permanent Differences and AFUDC Equity Tax Adjustment	Attachment H-4A, page 3, Line 36, Col. 5	336,687.82
35	(Excess)/Deficient Deferred Income Tax Adjustment	Attachment H-4A, page 3, Line 37, Col. 5	(3,055,803.69)
36	Total Income Taxes	Sum lines 29 to 32	18,441,126.26
Incremental Return and Taxes			
37	Return and Income taxes with Increase in ROE	(Line 22 + Line 33)	95,246,937.12
38	Return without incentive adder	Attachment H-4A, Page 3, Line 39, Col. 5	76,805,810.86
39	Income Tax without incentive adder	Attachment H-4A, Page 3, Line 38, Col. 5	18,441,126.26
40	Return and Income taxes without Increase in ROE	Line 35 + Line 36	95,246,937.12
41	Return and Income taxes with Increase in ROE	Line 34	95,246,937.12
42	Incremental Return and Income taxes for increase in ROE	Line 38 - Line 37	-
43	Rate Base	Line 1	945,581,130.31
44	Incremental Return and Income taxes for increase in ROE divided by rate base	Line 39 / Line 40	-

## Notes:

Line 17 to include an incentive ROE that is used only to determine the increase in return and incomes taxes associated with a specific increase in ROE. Any actual ROE incentive must be approved by the Commission. Until an ROE incentive is approved, line 17 will reflect the current ROE.

Period 11

Statement BK

Attachment H-4A, Attachment 3

page 1 of 1

For the 12 months ended 12/31/2020

## Gross Plant Calculation

		[1] Production	[2] Transmission	[3] Distribution	[4] Intangible	[5] General	[6] Common	[7] Total
1	December 2019	65,664,771	1,680,641,203	5,022,857,976	130,840,338	237,606,634	-	7,137,610,921
2	January 2020	65,702,563	1,687,974,268	5,038,038,578	130,926,303	238,368,774	-	7,161,010,485
3	February 2020	65,729,169	1,690,688,677	5,052,552,093	130,954,929	239,865,530	-	7,179,290,398
4	March 2020	65,744,576	1,693,172,844	5,066,566,416	135,805,534	240,145,749	-	7,201,455,118
5	April 2020	65,761,093	1,701,712,842	5,081,516,195	135,830,277	240,674,458	-	7,225,494,965
6	May 2020	65,777,851	1,704,349,531	5,096,843,420	135,862,423	241,118,615	-	7,243,951,838
7	June 2020	65,798,634	1,753,537,862	5,114,910,847	135,903,246	241,520,119	-	7,311,670,708
8	July 2020	65,820,872	1,755,825,300	5,131,538,873	135,917,967	241,996,462	-	7,331,099,475
9	August 2020	65,008,232	1,758,151,398	5,148,137,598	135,933,059	242,446,892	-	7,350,677,180
10	September 2020	66,224,968	1,761,075,778	5,163,960,416	135,949,131	242,828,130	-	7,370,038,423
11	October 2020	66,690,964	1,763,986,714	5,180,530,843	137,334,564	243,411,645	-	7,391,554,730
12	November 2020	67,141,503	1,803,914,332	5,196,603,995	137,361,936	243,995,320	-	7,448,017,087
13	December 2020	67,492,107	1,826,086,058	5,214,120,048	146,672,259	247,060,913	-	7,501,431,386
14	13-month Average	[A][C] 66,119,792	1,737,006,985	5,116,015,184	135,791,690	241,579,942	-	7,296,515,593
		Production	Transmission	Distribution	Intangible	General	Common	Total
	[B]	205.46.g	207.58.g	207.75.g	205.5.g	207.99.g	356.1	
15	December 2019	65,664,771	1,680,644,614	5,022,903,633	130,840,338	239,202,245	-	7,139,255,600
16	January 2020	65,702,563	1,687,977,678	5,038,084,235	130,926,303	239,964,385	-	7,162,655,163
17	February 2020	65,729,169	1,690,692,087	5,052,597,750	130,954,929	240,961,142	-	7,180,935,076
18	March 2020	65,744,576	1,693,176,254	5,066,632,072	135,805,534	241,741,360	-	7,203,099,797
19	April 2020	65,761,093	1,701,716,253	5,081,561,952	135,830,277	242,270,069	-	7,227,139,643
20	May 2020	65,777,851	1,704,352,941	5,096,889,076	135,862,423	242,714,226	-	7,245,596,517
21	June 2020	65,798,634	1,753,541,272	5,114,956,503	135,903,246	243,115,731	-	7,313,315,386
22	July 2020	65,820,872	1,755,828,710	5,131,584,530	135,917,967	243,592,074	-	7,332,744,153
23	August 2020	65,008,232	1,758,154,809	5,148,183,255	135,933,059	244,042,504	-	7,352,321,858
24	September 2020	66,224,968	1,761,079,188	5,164,006,073	135,949,131	244,423,742	-	7,371,683,101
25	October 2020	66,690,964	1,763,990,124	5,180,576,499	137,334,564	245,007,257	-	7,393,599,408
26	November 2020	67,141,503	1,803,917,743	5,196,649,652	137,361,936	245,590,932	-	7,450,661,766
27	December 2020	67,492,107	1,826,089,468	5,214,165,705	146,672,259	248,656,525	-	7,503,076,064
28	13-month Average	66,119,792	1,737,012,396	5,116,060,841	135,791,690	243,175,553	-	7,298,160,272

Asset Retirement Costs		Production	Transmission	Distribution	Intangible	General	Common
	[B]	205.44.g	207.57.g	207.74.g	company records	207.98.g	company records
29	December 2019		3,410	45,657		1,595,611	
30	January 2020		3,410	45,657		1,595,611	
31	February 2020		3,410	45,657		1,595,611	
32	March 2020		3,410	45,657		1,595,611	
33	April 2020		3,410	45,657		1,595,611	
34	May 2020		3,410	45,657		1,595,611	
35	June 2020		3,410	45,657		1,595,611	
36	July 2020		3,410	45,657		1,595,611	
37	August 2020		3,410	45,657		1,595,611	
38	September 2020		3,410	45,657		1,595,611	
39	October 2020		3,410	45,657		1,595,611	
40	November 2020		3,410	45,657		1,595,611	
41	December 2020		3,410	45,657		1,595,611	
42	13-month Average	-	3,410	45,657	-	1,595,611	-

## Notes:

[A] Taken to Attachment H-4A, page 2, lines 1-6, Col. 3

[B] Reference for December balances as would be reported in FERC Form 1.

[C] Balance excludes Asset Retirements Costs



Period II

Statement BK

Attachment H-4A, Attachment 4

page 1 of 1

## Accumulated Depreciation Calculation

For the 12 months ended 12/31/2020

			[1]	[2]	[3]	[4]	[5]	[6]	[7]
			Production	Transmission	Distribution	Intangible	General	Common	Total
1	December	2019	24,309,320	417,984,760	1,522,091,139	89,394,107	93,099,161	-	2,146,878,487
2	January	2020	24,442,853	419,810,687	1,528,524,213	90,241,153	93,840,303	-	2,156,859,209
3	February	2020	24,577,692	422,179,355	1,535,040,430	91,088,677	94,556,115	-	2,167,442,270
4	March	2020	24,713,817	424,583,933	1,541,615,906	91,956,531	95,296,732	-	2,178,166,919
5	April	2020	24,849,850	426,295,524	1,548,117,647	92,844,699	96,065,852	-	2,188,173,573
6	May	2020	24,985,888	428,663,114	1,554,603,055	93,733,105	96,844,782	-	2,198,829,954
7	June	2020	25,121,517	429,904,594	1,560,814,191	94,621,814	97,628,843	-	2,204,090,958
8	July	2020	25,257,025	428,407,122	1,567,215,008	95,446,470	98,404,971	-	2,214,730,596
9	August	2020	25,374,393	430,912,627	1,573,667,266	96,271,250	99,184,388	-	2,225,409,924
10	September	2020	25,488,892	433,380,630	1,580,254,478	97,096,161	99,971,861	-	2,236,192,021
11	October	2020	25,576,366	435,849,127	1,586,787,678	97,926,911	100,737,279	-	2,246,977,361
12	November	2020	25,666,456	434,208,352	1,593,404,891	98,763,547	101,503,181	-	2,253,546,427
13	December	2020	25,768,436	434,587,628	1,599,890,840	99,639,091	101,995,047	-	2,261,881,041
14	13-month Average	[A] [C]	25,047,116	427,905,189	1,560,925,134	94,540,271	97,625,271	-	2,206,082,980
			Production	Transmission	Distribution	Intangible	General	Common	Total
		(B)	219.20-24.c	219.25.c	219.26.c	200.21.c	219.28.c	356.1	
15	December	2019	24,309,320	417,986,307	1,522,091,139	89,394,107	93,730,844		2,147,511,717
16	January	2020	24,442,853	419,812,237	1,528,524,213	90,241,153	94,478,755		2,157,499,212
17	February	2020	24,577,692	422,180,910	1,535,040,430	91,088,677	95,201,356		2,168,089,045
18	March	2020	24,713,817	424,585,491	1,541,615,906	91,956,531	95,948,721		2,178,820,468
19	April	2020	24,849,850	426,297,087	1,548,117,647	92,844,699	96,724,611		2,188,833,854
20	May	2020	24,985,888	428,664,681	1,554,603,055	93,733,105	97,510,319		2,199,497,048
21	June	2020	25,121,517	429,906,154	1,560,814,191	94,621,814	98,301,140		2,204,764,825
22	July	2020	25,257,025	428,408,696	1,567,215,008	95,446,470	99,084,036		2,215,411,235
23	August	2020	25,374,393	430,914,205	1,573,667,266	96,271,250	99,870,222		2,226,097,336
24	September	2020	25,488,892	433,382,212	1,580,254,478	97,096,161	100,664,454		2,236,886,206
25	October	2020	25,576,366	435,850,714	1,586,787,678	97,926,911	101,436,651		2,247,578,319
26	November	2020	25,666,456	434,209,942	1,593,404,891	98,763,547	102,209,322		2,254,254,158
27	December	2020	25,768,436	434,589,222	1,599,890,840	99,639,091	102,707,956		2,262,595,544
28	13-month Average		25,087,116	427,906,759	1,560,925,134	94,540,271	98,297,567	-	2,206,756,847

## Reserve for Depreciation of Asset Retirement Cost:

			Production	Transmission	Distribution	Intangible	General	Common
		(B)	Company Records	Company Records	Company Records	Company Records	Company Records	Company Records
29	December	2019		1,547			631,683	
30	January	2020		1,551			638,452	
31	February	2020		1,555			645,221	
32	March	2020		1,559			651,990	
33	April	2020		1,563			658,759	
34	May	2020		1,567			665,528	
35	June	2020		1,571			672,296	
36	July	2020		1,575			679,065	
37	August	2020		1,579			685,834	
38	September	2020		1,583			692,603	
39	October	2020		1,586			699,372	
40	November	2020		1,590			706,140	
41	December	2020		1,594			712,909	
42	13-month Average		-	1,571	-	-	672,296	-

Notes:

[A] Taken to Attachment H-4A, page 2, lines 7-11, Col. 3

[B] Reference for December balances as would be reported in FERC Form 1.

[C] Balance excludes reserve for depreciation of asset retirement costs

Attachment 8

Period II

Statement BK  
Attachment H-4A, Attachment 5  
page 1 of 1  
For the 12 months ended 12/31/2020

		[1]	[2]	[3]	[4]	[5]	[6]
		ADIT Transmission Total (including Plant & Labor Related Transmission ADITs and applicable transmission adjustments from notes below)					
		Acct. No. 281	Acct. No. 282	Acct. No. 283	Acct. No. 190	Acct. No. 255	Total
		(enter negative)	(enter negative)	(enter negative)		(enter negative)	
			(B)	(C)	(D)	(E)	
1	December 31	2020	-	(410,523,282)	(11,050,625)	40,366,553	(381,207,354)

			ADIT Total Transmission-related only, including Plant & Labor Related Transmission ADITs (prior to adjustments from notes below)				
			Acct. No. 281	Acct. No. 282	Acct. No. 283	Acct. No. 190	Acct. No. 255
							Total
2	December 31	2020 (G)	-	289,146,653	(24,031,443)	44,328,672	1,523,750
							320,967,632

Notes:

[A] Beginning/Ending Average with adjustments for FAS143, FAS106, FAS109, CIACs and normalization to populate Appendix H-4A, page 2, lines 19-23, col. 3 for accounts 281, 282, 283, 190, and 255, respectively

[B] FERC Account No. 282 is adjusted for the following items.

			<u>FAS 143 - ARO</u>	<u>FAS 106</u>	<u>FAS 109</u>	<u>CIAC</u>	<u>Normalization (F)</u>
3	2020	-		620,640	(116,234,402)		4,237,132

[C] FERC Account No. 283 is adjusted for the following items.

			<u>FAS 143 - ARO</u>	<u>FAS 106</u>	<u>FAS 109</u>	<u>CIAC</u>	<u>Normalization (F)</u>
4	2020	19,002		-	(35,928,497)		827,427

[D] FERC Account No. 190 is adjusted for the following items:

			<u>FAS 143 - ARO</u>	<u>FAS 106</u>	<u>FAS 109</u>	<u>CIAC</u>	<u>Normalization (F)</u>
5	2020	-		-	(6,302,072)	10,692,658	(428,467)

[E] See Attachment H-4A, page 5, note K; A utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.B.f).

[F] Sourced from Attachment 5b, page 1, col. O for PTRR & Attachment 5c, page 2, col. O for ATRR

[G] Sourced from Attachment 5a, page 1, lines 1-5, col. 4

Period II

Statement BK  
Attachment 11-4A, Attachment 5a  
page 1 of 6  
For the 12 months ended 12/31/2020

Line	1	Jersey Central Power & Light Summary of Transmission ADIT (Prior to adjusted basis)		
		A	B	C
		Transmission Billing	End Plant & Labor Related Allocated to Transmission (Note F) page 1, Col. K	Total Transmission Billing (col. 2 + col. 3) (Note E)
1	ADIT-282 From Account Subtotal Below	282,146,653	-	282,146,653
2	ADIT-283 From Account Subtotal Below	(2,031,443)	-	(2,031,443)
3	ADIT-195 From Account Subtotal Below	41,326,672	-	41,326,672
4	ADIT-281 From Account Subtotal Below	-	-	-
5	ADIT-285 From Account Subtotal Below	-	-	-
		<u>1,271,750</u>		<u>1,271,750</u>
	Total (sum rows 1-5)	320,947,632	-	320,947,632

Line	Jersey Central Power & Light Summary of Transmission ADIT (Prior to adjusted basis)					
	A	B	C	D	E	F
	End Plant Related	End Labor Related	Plant & Labor Subtotal	General Plant Allocation	Wages & Salary Allocation	End Plant & Labor Related ADIT
	(Note A)	(Note E)	Col. A + Col. B	(Note C)	(Note D)	(Col. A + Col. C) + (Col. B + Col. E)
1	ADIT-282 From Account Total Below	-	-	24.20%	8.80%	-
2	ADIT-283 From Account Total Below	-	-	24.20%	8.80%	-
3	ADIT-195 From Account Total Below	-	-	24.20%	8.80%	-
4	ADIT-281 From Account Total Below	-	-	24.20%	8.80%	-
5	ADIT-285 From Account Total Below	-	-	24.20%	8.80%	-
	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>

Notes:  
A From column F beginning on page 2;  
B From column G beginning on page 2;  
C Refers to Attachment 11-4A, page 2, line 6, col. 8;  
D Refers to Attachment 11-4A, page 4, line 15, col. 6;  
E Total Transmission Billing Table in Attachment 5, line 1;  
F From column E beginning on page 7 by account

Exhibit No. JCP-402  
Page 56 of 84

Form 11

A	B	C	D	E	F	G
	January Current Paper & Light					
ADIT-130	End of Year Balance p254.11.1	Refund Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Other Related
Avail. Impairment	5,278,266			5,278,266		
Capitalized Interest	5,507,430			5,507,430		
Contributions in Aid of Construction	10,882,566			10,882,566		
Inventory Tax Credit	565,808			565,808		
Federal Income Tax Property	(16,352,072)			(16,352,072)		
Provisional	16,278,841			16,278,841		
(a) Item AGI	7,569,583			7,569,583		
Full Cash Contribution	119,354			119,354		
General Business Credit Carryover	46,458			46,458		
	=					
Initial	44,338,872	-	-	44,338,872	-	-

JUSTIFICATION

Instructions for Schedule 130:

1. ADIT items related only to Asset Retirement Obligations are directly assigned to Column C.
2. ADIT items related only to Asset Retirement Obligations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and are in Column C, D, E, or F are directly assigned to Column F.
5. ADIT items related to other and not in Column C, D, E, or F are directly assigned to Column G.
6. Column G is only to be used when items are included in taxable income in different periods than they are included in taxable income. Therefore, if the items giving rise to the ADIT's are not included in taxable income, the associated ADIT amount should be included.





Parent ID

A

B	C	D	E	F	G
January General Purpose & LGF					

Statement BIC  
Attachment 1E-4A, Attachment 5a  
page 4 of 6  
For the 12 months ended 12/31/2020

ADNT-263

	End of Year Balance p271.153	Retail Related	Gen. Prod Or Other Related	Only Transmission Related	Plant Related	Other Related	JUSTIFICATION
AFLEC Equity Plan (Drawn out)	1,264,000			1,264,000			
Property P&H-19	(44,240,046)			(44,240,046)			
Amort. Loans	(54,143)			(54,143)			
Assets Prov. For Interest and Damages	(61,215)			(61,215)			
Asset Retirement Obligation	18,502			18,502			
Company Debt - Securities Discount	(21,004)			(21,004)			
Customer Charge - E&E	40,490			40,490			
F&E 191 - Interest (Benefit) for year	(554,174)			(554,174)			
F&E 191 Provision & OPEB	(82,715)			(82,715)			
F&E 191 - Timing Adjustment	10,414,026			10,414,026			
F&E 191 Change - Non-Property Overlap	2,796,228			2,796,228			
GROUP Tax Audit	(61,561)			(61,561)			
Plant & General	(5,843,026)			(5,843,026)			
Full Payable / Receivable	-			-			
Rehabilitation Cost	(1,719,734)			(1,719,734)			
Plant Rehabilitation Benefits F&E 191	(3,279,426)			(3,279,426)			
Other Income For Damages	1,000,111			1,000,111			
Other Damages	17,969,320			17,969,320			
Unamortized Debt Losses on P&H equity Debt	222,761			222,761			
Use other Account	(222,761)			(222,761)			
Unamortized Management	(1,892,897)			(1,892,897)			
Subtotal	(24,031,441)	-	-	(24,031,441)	-	-	

Instructions for Attachment 253:

- ADT items relate only to Retail Related Operations are directly assigned to Column C.
- ADT items relate only to Non-Retail Operations (e.g., Gas, Water, Sewer) or Plant Related are directly assigned to Column D.
- ADT items relate only to Transmission are directly assigned to Column E.
- ADT items related to Plant and are in Column C, D, E or F are directly assigned to Column F.
- ADT items related to other and are in Column C, D, E or F are directly assigned to Column G.
- Nothing in any item name means items are included in future items in different periods that they are included in items. Therefore, if the item group due to the ADT is not included in the formula, the inclusion of ADT account shall be preserved.

Period ID

Attachment BIC  
Attachment 10-4A, Attachment 5a  
Page 5 of 6  
For the 12 months ended 12/31/2020

A	B	C	D	E	F	G	
	During Current Period & Prior						
ADT-01:	End of Year Balance p373.1.1	Retail Related	Gas, Food Or Other Related	Daily Transportation Related	Plant Related	Labor Related	JUSTIFICATION
				-			
				-			
				-			
				-			
				-			
				-			
				-			
Subtotal		-	-	-	-	-	

Instructions for Account 721:  
1. ADT items related only to Retail Related Operations are directly assigned to Column C.  
2. ADT items related only to Non-Retail Operations (e.g., Gas, Plant, Street Light Operations) are directly assigned to Column D.  
3. ADT items related only to Transportation are directly assigned to Column E.  
4. ADT items related to Plant and not in Column C, D, E or F are directly assigned to Column F.  
5. ADT items related to Labor and not in Column C, D, E or F are directly assigned to Column G.  
6. Deleted from the base that which items are included in monthly inquiry by different parties than they are included in rates. Therefore, if the item going for ADT is not included in the base, the presented ADT impact will be excluded.

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Statement B3,  
Attachment 11-4A, Attachment 5a  
page 6 of 6  
For the 12 months ended 12/31/2020

Instructions for Annexure 19A:

1. ACD Items marked with a star (★) in the Publicly Disclosed Questions are directly assigned to Column C.
2. ACD Items marked with a star (★) in the Private Questions (e.g., One, Two, Three, Four) are privately assigned to Column G.
3. ACD Items marked with a star (★) in the Internal Questions are directly assigned to Column E.
4. ACD Items marked with a star (★) in the Public and Private Questions (C, D, E & F) are directly assigned to Column F.
5. ACD Items marked with a star (★) in the Internal Questions (G, H, I & J) are directly assigned to Column G.
6. Deliberate items marked with a star (★) which have not been included in suitable manner in different para-level headings are included in others. Therefore, if the above paragraphs in the ACD are not included in the table, the unmarked ACD items shall be considered as others.

Period II

Statement HK  
Attachment 13-4A, Attachment 5b  
page 1 of 1  
For the 12 months ended 12/31/2020

Line		A	B	C	D	E	F	G	H	I
2020 Quarterly Activity and Balances										
1	PTRR	Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
		40,194,744	184,064	40,378,808	43,215	40,472,023	41,842	40,463,665	40,990	40,504,635
2	PTRR	Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
		40,194,744	139,183		21,904		10,610		132	
3	PTRR	Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
		405,271,792	5,826,083	410,897,875	1,320,910	412,116,785	1,272,835	413,491,610	1,252,888	414,744,506
4	PTRR	Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
		405,271,792	4,254,244		669,502		324,811		3,431	
5	PTRR	Beginning 283 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
		30,017,938	1,106,149	11,124,247	359,752	11,384,039	250,299	11,634,338	216,376	11,880,714
6	PTRR	Beginning 283 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
		30,017,938	834,582		131,655		63,775		875	

2020 PTRR								
Line	Account	I	K	L	M	N	O	P
		Estimated Ending Balance (Before Adjustments)	Projected Activity	Pro-rated Ending Balance	Pro-rated - Estimated End (Before Adjustments)	Sum of and ADIT Adjustments	Normalization	Ending ADIT Balance Included in Formula Rate
7	PTRR Total Account 190	44,378,672	309,911	40,366,553	3,962,120	4,390,586	(418,447)	40,366,553
8	PTRR Total Account 282	299,146,869	9,472,716	410,513,282	(11,376,629)	(115,613,762)	4,237,132	(410,523,282)
9	PTRR Total Account 283	(24,031,443)	1,862,776	11,050,625	(15,082,067)	(15,909,495)	627,427	(11,050,625)
10	PTRR Total ADIT Subject to Normalization	(230,786,596)	(11,025,581)	(381,207,354)	150,420,816	(147,132,670)	4,636,093	(381,107,354)

## Notes:

1. Attachment 5b will only be populated within the PTRR

Statement BK  
Attachment H-4A, Attachment 5c  
page 1 of 2  
For the 12 months ended 12/31/2020

Line		A	B	C	D	E	F	G	H	I
		2025 Quarterly Activity and Balances								
		Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
1	PTRR	0	0	0	0	0	0	0	0	0
2	ATTR	0	0	0	0	0	0	0	0	0
		Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
3	PTRR	0	0		0		0		0	
4	ATTR	0	0		0		0		0	
		Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
5	PTRR	0	0	0	0	0	0	0	0	0
6	ATTR	0	0	0	0	0	0	0	0	0
		Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
7	PTRR	0	0		0		0		0	
8	ATTR	0	0		0		0		0	
		Beginning 283 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
9	PTRR	0	0	0	0	0	0	0	0	0
10	ATTR	0	0	0	0	0	0	0	0	0
		Beginning 283 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
11	PTRR	0	0		0		0		0	
12	ATTR	0	0		0		0		0	

Attachment 8

Period II

Statement BK  
Attachment II-4A, Attachment 5c  
page 2 of 2  
For the 12 months ended 12/31/2020

2020 PTRR									
		A	B	C	D	E	F	G	
		Page 1, B+D+F+H		Page 1, row 3,7,11 Column A+B+D+F+H	A-C		D-E	Line 1= A-E-F Lines 2-3= A+E+F	
Line	Account	Estimated Ending Balance (Before Adjustments)	Projected Activity	Projected Ending Balance	Projected - Estimated End (Before Adjustments)	Sum of end ADIT Adjustments	Normalization	Ending ADIT Balance Included in Formula Rate	
1	PTRR Total Account 190	-	0	0	-	-	-	-	
2	PTRR Total Account 282	-	0	0	-	-	-	-	
3	PTRR Total Account 283	-	0	0	-	-	-	-	
4	PTRR Total ADIT Subject to Normalization	-	-	-	-	-	-	-	

2020 ATRR										
		H	I	J	K	L	M	N	O	P
		Page 1, B+D+F+H		Page 1, row 4,8,12 column A+B+D+F+H	H-I	D-K		E-M	K+L-M-N	Line 5= H-M-O Lines 6-7= J+M+O
	Account	Actual Ending Balance (Before Adjustments)	Actual Activity	Projected Ending Balance	Projected - Actual End (Before Adjustments)	Projected Activity Not Projected	Sum of end ADIT Adjustments	ADIT Adjustments not projected	Normalization	Ending ADIT Balance Included in Formula Rate
5	ATRR Total Account 190	-	0	0	-	-	-	-	-	-
6	ATRR Total Account 282	-	0	0	-	-	-	-	-	-
7	ATRR Total Account 283	-	0	0	-	-	-	-	-	-
8	ATRR Total ADIT Subject to Normalization	-	-	-	-	-	-	-	-	-

Notes:  
1. Attachment 5c will only be populated within the ATRR



Period II

Statement BK  
Attachment H-4A, Attachment 6  
page 1 of 1  
For the 12 months ended 12/31/20201 Calculation of PBOP Expenses

2	JCP&L	Amount	Source
3	Total FirstEnergy PBOP expenses	-\$155,537,000	FirstEnergy 2018 Actuarial Study
4	Labor dollars (FirstEnergy)	\$2,383,633,077	FirstEnergy 2018 Actual: Company Records
5	cost per labor dollar (line 3 / line 4)	-\$0.0658	
6	labor (labor not capitalized) current year, transmission only	6,276,276	JCP&L Labor: Company Records
7	PBOP Expense for current year (line 5 * line 6)	-\$413,005	
8	PBOP expense in Account 926 for current year, total company	(489,135)	JCP&L Account 926: Company Records
9	W&S Labor Allocator	8.600%	
10	Allocated Transmission PBOP (line 8 * line 9)	(42,065)	
11	PBOP Adjustment for Attachment H-4A, page 3, line 8 (line 7 - line 10)	(370,941)	

12 Lines 3-4 cannot change absent a Section 205 or 206 filing approved or accepted by FERC in a separate proceeding

## Attachment 8

Period II

Statement BK

Attachment H-4A, Attachment 7

page 1 of 1

For the 12 months ended 12/31/2020

## Taxes Other than Income Calculation

	[A]	Dec 31, 2020
<b>1 Payroll Taxes</b>		
1a FICA & unemployment taxes	263.i	11,650,873
1b	263.i	
1c	263.i	
1d	263.i	
1z	<b>Payroll Taxes Total</b>	<b>11,650,873</b>
<b>2 Highway and Vehicle Taxes</b>		
2a Federal Excise Tax	263.i	6,975
2z	<b>Highway and Vehicle Taxes</b>	<b>6,975</b>
<b>3 Property Taxes</b>		
3a New Jersey Property Tax	263.i	6,340,768
3b PA PURTA Tax	263.i	75
3c	263.i	-
3d	263.i	-
3z	<b>Property Taxes</b>	<b>6,340,843</b>
<b>4 Gross Receipts Tax</b>		
4a Gross Receipts Tax	263.i	-
4z	<b>Gross Receipts Tax</b>	<b>-</b>
<b>5 Other Taxes</b>		
5a Sales & Use Tax	263.i	3,085
5b	263.i	
5c	263.i	
5d		-
5z	<b>Other Taxes</b>	<b>3,085</b>
<b>6: Payments in lieu of taxes</b>		
7	<b>Total other than income taxes (sum lines 1z, 2z, 3z, 4z, 5z, 6z)</b> <b>[tie to 114.14c]</b>	<b>\$18,001,776.00</b>

## Notes:

[A] Reference for December balances as would be reported in FERC Form 1.

Period II

Statement BK

Attachment H-4A, Attachment 8

page 1 of 1

## Capital Structure Calculation

For the 12 months ended 12/31/2020

		[1] Proprietary Capital	[2] Preferred Stock	[3] Account 216.1	[4] Account 219	[5] Goodwill	[6] Common Stock	[7] Long Term Debt
	[A]	112.16.c	112.3.c	112.12.c	112.15.c	233.5.f	(1) - (2) - (3) - (4) - (5)	112.24.c
1 December	2019	3,616,361,135	-	(40,438)	(5,689,656)	1,810,936,125	1,811,155,104	1,650,811,724
2 January	2020	3,629,988,160		(40,438)	(5,718,712)	1,810,936,125	1,824,811,185	1,650,781,432
3 February	2020	3,642,398,273		(40,438)	(5,747,767)	1,810,936,125	1,837,250,353	1,650,751,139
4 March	2020	3,628,891,236		(40,438)	(5,776,823)	1,810,936,125	1,823,772,372	1,650,720,847
5 April	2020	3,638,837,224		(40,438)	(5,805,878)	1,810,936,125	1,833,747,415	1,650,690,555
6 May	2020	3,654,010,566		(40,438)	(5,834,934)	1,810,936,125	1,848,949,813	1,650,660,262
7 June	2020	3,653,946,728		(40,438)	(5,863,989)	1,810,936,125	1,848,915,030	1,650,629,970
8 July	2020	3,687,446,863		(40,438)	(5,893,045)	1,810,936,125	1,882,444,221	1,650,599,678
9 August	2020	3,719,564,976		(40,438)	(5,922,101)	1,810,936,125	1,914,591,390	1,650,569,385
10 September	2020	3,712,492,592		(40,438)	(5,951,156)	1,810,936,125	1,907,548,061	1,650,539,093
11 October	2020	3,725,041,950		(40,438)	(5,980,212)	1,810,936,125	1,920,126,475	1,650,508,801
12 November	2020	3,737,320,890		(40,438)	(6,009,267)	1,810,936,125	1,932,434,470	1,650,478,508
13 December	2020	3,724,142,321		(40,438)	(6,038,323)	1,810,936,125	1,919,284,957	1,650,448,216
14 13-month Average		3,674,649,455	-	(40,438)	(5,863,989)	1,810,936,125	1,869,617,757	1,650,629,970

## Notes:

[A] Reference for December balances as would be reported in FERC Form 1.

Attachment 8

Period II

Statement BK  
Attachment H-4A, Attachment 9  
page 1 of 1  
For the 12 months ended 12/31/2020

Stated Value Inputs

Formula Rate Protocols  
Section VIII.A

1. Rate of Return on Common Equity ("ROE")

JCP&L's stated ROE is set to: 10.8%

2. Postretirement Benefits Other Than Pension ("PBOP")

*"sometimes referred to as Other Post Employment Benefits, or "OPEB"*

Total FirstEnergy PBOP expenses	\$-155,537,000
Labor dollars (FirstEnergy)	\$2,383,633,077
cost per labor dollar	\$-0.0658

3. Depreciation Rates (1)/(2)

FERC Account	Depr %
350.2	1.53%
352	1.14%
353	2.43%
354	0.83%
355	1.95%
356	2.45%
356.1	1.09%
357	1.39%
358	1.88%
359	1.10%
389.2	3.92%
390.1	1.51%
390.2	0.46%
391.1	4.00%
391.15	5.00%
391.2	20.00%
391.25	20.00%
392	3.84%
393	3.33%
394	4.00%
395	5.00%
396	3.03%
397	5.00%
398	5.00%

Note: (1) Account 303 amortization period is 7 years.

(2) Accounts 391.10, 391.15, 391.20, 391.25, 393, 394, 395, 397, and 398 have an unrecovered reserve to be amortized over 5 years separately from the assets in these accounts beginning January 1, 2020 through December 31, 2025.

Period:

## Debt Cost Calculation

Attachment 8(A), Attachment 8(B)  
Page 1 of 1  
For the 12 months ended 12/31/2020

**TABLE 1: Summary Cost of Long Term Debt**  
**CALCULATION OF COST OF DEBT**

**PERIOD ENDING 12/31/2020**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
	Issue Date	Maturity Date	DEBT FUND BALANCE (Col. 1, incl. net)	Net Proceeds At Issuance (Col. 2, incl. net)	Net Annual Amortization of Premium (Col. 3, incl. net)	Monthly Outstanding at 12/31	Average Net Outstanding in Year (Col. 4, incl. FYTD)	Weighted Outstanding Ratio (Col. 5, incl. g/h)	Effective Cost Rate (Table 2, Col. 1)	Weighted Debt Cost at 12/31 (Col. 6, incl. i/j)
<b>Long Term Debt</b>										
<b>2019 Series</b>	8/1/2019	8/1/2024	\$ 200,000,000	\$ 194,437,137	\$ 194,437,137	\$ 194,437,137	\$ 194,437,137	12.00%	6.54%	6.79%
<b>2018 Series</b>	8/1/2018	8/1/2023	\$ 300,000,000	\$ 289,979,778	\$ 289,979,778	\$ 289,979,778	\$ 289,979,778	10.11%	6.25%	6.17%
<b>2017 Series</b>	8/1/2017	8/1/2022	\$ 400,000,000	\$ 389,282,919	\$ 389,282,919	\$ 389,282,919	\$ 389,282,919	9.27%	6.20%	6.07%
<b>2016 Series</b>	8/1/2016	8/1/2021	\$ 500,000,000	\$ 489,197,860	\$ 489,197,860	\$ 489,197,860	\$ 489,197,860	8.39%	6.07%	5.97%
<b>2015 Series</b>	8/1/2015	8/1/2020	\$ 600,000,000	\$ 589,208,355	\$ 589,208,355	\$ 589,208,355	\$ 589,208,355	7.51%	6.07%	5.97%
<b>TOTAL</b>			\$ 1,800,000,000	\$ 1,762,106,049	\$ 1,762,106,049	\$ 1,762,106,049	\$ 1,762,106,049	10.0000%		6.08%

1 = Net  
The average portion of long term debt is included in the debt fund balance. Calculations are based on the debt fund balance.  
The remaining amount of debt is included in the debt fund balance. Calculations are based on the debt fund balance.  
1 = Average of weighted amounts for the debt fund balance. Calculations are based on the debt fund balance.  
1 = Average of weighted amounts for the debt fund balance. Calculations are based on the debt fund balance.  
1 = Average of weighted amounts for the debt fund balance. Calculations are based on the debt fund balance.  
1 = Average of weighted amounts for the debt fund balance. Calculations are based on the debt fund balance.

**TABLE 2: Effective Cost Rates for Weighted Debt Fund Balance**

**PERIOD ENDING 12/31/2020**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
	Issue Date	Maturity Date	Amount Issued	Effective Cost Rate (Col. 4, incl. net)	Effective Cost Rate (Col. 5, incl. net)	Effective Cost Rate (Col. 6, incl. net)	Effective Cost Rate (Col. 7, incl. net)	Effective Cost Rate (Col. 8, incl. net)	Effective Cost Rate (Col. 9, incl. net)	Effective Cost Rate (Col. 10, incl. net)
<b>Long Term Debt</b>										
<b>2019 Series</b>	8/1/2019	8/1/2024	\$ 200,000,000	11.211,000%	11.211,000%	11.211,000%	11.211,000%	11.211,000%	11.211,000%	11.211,000%
<b>2018 Series</b>	8/1/2018	8/1/2023	\$ 300,000,000	11.881,000%	11.881,000%	11.881,000%	11.881,000%	11.881,000%	11.881,000%	11.881,000%
<b>2017 Series</b>	8/1/2017	8/1/2022	\$ 400,000,000	12.551,000%	12.551,000%	12.551,000%	12.551,000%	12.551,000%	12.551,000%	12.551,000%
<b>2016 Series</b>	8/1/2016	8/1/2021	\$ 500,000,000	13.221,000%	13.221,000%	13.221,000%	13.221,000%	13.221,000%	13.221,000%	13.221,000%
<b>2015 Series</b>	8/1/2015	8/1/2020	\$ 600,000,000	13.891,000%	13.891,000%	13.891,000%	13.891,000%	13.891,000%	13.891,000%	13.891,000%
<b>TOTAL</b>			\$ 1,800,000,000	12.551,000%	12.551,000%	12.551,000%	12.551,000%	12.551,000%	12.551,000%	12.551,000%

1 = Net  
The average portion of long term debt is included in the debt fund balance. Calculations are based on the debt fund balance.  
The remaining amount of debt is included in the debt fund balance. Calculations are based on the debt fund balance.  
1 = Average of weighted amounts for the debt fund balance. Calculations are based on the debt fund balance.  
1 = Average of weighted amounts for the debt fund balance. Calculations are based on the debt fund balance.  
1 = Average of weighted amounts for the debt fund balance. Calculations are based on the debt fund balance.  
1 = Average of weighted amounts for the debt fund balance. Calculations are based on the debt fund balance.

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page 9 of 1  
Form 12 Issues and 12-10-04

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And 2

Document ID:  
 Document 75-44, Attachment 11  
 page 2 of 3  
 For the 11 month period 01/01/2010 to

Transmittal Information (Page 0002) Worksheet To be completed in duplicate with Attachment 0001																												
01		02		03		04		05		06		07		08		09		10		11		12		13		14		
Line	Project Name	PRIP Project Number	Project Name (Short)	Actual Amount Paid to the Supplier	Actual Amount Due	Project Start Date	Project End Date	Project Status	Project Type	Project Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category	Project Sub-Category
				Item 5 - Sub 1		Item 5 - Sub 2		Item 5 - Sub 3		Item 5 - Sub 4		Item 5 - Sub 5		Item 5 - Sub 6		Item 5 - Sub 7		Item 5 - Sub 8		Item 5 - Sub 9		Item 5 - Sub 10		Item 5 - Sub 11		Item 5 - Sub 12		
1	University Pre-Regional & Regional Soccer event	5675	2	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
2	University Pre-Regional & Regional Soccer event	5676	3	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
3	University Pre-Regional & Regional Soccer event	5677	4	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
4	University Pre-Regional & Regional Soccer event	5678	5	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
5	University Pre-Regional & Regional Soccer event	5679	6	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
6	University Pre-Regional & Regional Soccer event	5680	7	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
7	University Pre-Regional & Regional Soccer event	5681	8	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
8	University Pre-Regional & Regional Soccer event	5682	9	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
9	University Pre-Regional & Regional Soccer event	5683	10	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
10	University Pre-Regional & Regional Soccer event	5684	11	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
11	University Pre-Regional & Regional Soccer event	5685	12	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
12	University Pre-Regional & Regional Soccer event	5686	13	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
13	University Pre-Regional & Regional Soccer event	5687	14	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
14	University Pre-Regional & Regional Soccer event	5688	15	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
15	University Pre-Regional & Regional Soccer event	5689	16	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
16	University Pre-Regional & Regional Soccer event	5690	17	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
17	University Pre-Regional & Regional Soccer event	5691	18	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
18	University Pre-Regional & Regional Soccer event	5692	19	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
19	University Pre-Regional & Regional Soccer event	5693	20	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
20	University Pre-Regional & Regional Soccer event	5694	21	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
21	University Pre-Regional & Regional Soccer event	5695	22	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
22	University Pre-Regional & Regional Soccer event	5696	23	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
23	University Pre-Regional & Regional Soccer event	5697	24	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
24	University Pre-Regional & Regional Soccer event	5698	25	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
25	University Pre-Regional & Regional Soccer event	5699	26	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
26	University Pre-Regional & Regional Soccer event	5700	27	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
27	University Pre-Regional & Regional Soccer event	5701	28	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
28	University Pre-Regional & Regional Soccer event	5702	29	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
29	University Pre-Regional & Regional Soccer event	5703	30	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000
30	University Pre-Regional & Regional Soccer event	5704	31	1,165,175	2,100,000	2/28/2016	2/28/2016	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000	2,280,000

[illegible]

Period II

TFC Worksheet Support  
Net Plant DetailStatement B/C  
Attachments B-4A, Attachment 11a  
page 1 of 2  
For the 12 months ended 12/31/2020

Line No.	Project Name	RYEF Project Number	Project Gross Plant (Note A)	Dec-19 (Note D)	Jan-20 (Note D)	Feb-20 (Note D)	Mar-20 (Note D)	Apr-20 (Note D)	May-20 (Note D)	Jun-20 (Note D)	Jul-20 (Note D)	Aug-20 (Note D)	Sep-20 (Note D)	Oct-20 (Note D)	Nov-20 (Note D)	Dec-20 (Note D)
2a	Upgrade the Portland - Oryolosa 230kV circuit	b0174	\$ 12,588,179	\$ 12,588,179	\$ 12,588,179	\$ 12,588,179	\$ 12,588,179	\$ 12,588,179	\$ 12,588,179	\$ 12,588,179	\$ 12,588,179	\$ 12,588,179	\$ 12,588,179	\$ 12,588,179	\$ 12,588,179	\$ 12,588,179
2b	Reconductor the Keweenaw - Glen Gardner 230 kV circuit	b0244	\$ 5,993,501	\$ 5,993,501	\$ 5,993,501	\$ 5,993,501	\$ 5,993,501	\$ 5,993,501	\$ 5,993,501	\$ 5,993,501	\$ 5,993,501	\$ 5,993,501	\$ 5,993,501	\$ 5,993,501	\$ 5,993,501	\$ 5,993,501
3c	Add a 2nd Raritan River 230/115 kV transformer	b0726	\$ 7,324,741	\$ 7,324,741	\$ 7,324,741	\$ 7,324,741	\$ 7,324,741	\$ 7,324,741	\$ 7,324,741	\$ 7,324,741	\$ 7,324,741	\$ 7,324,741	\$ 7,324,741	\$ 7,324,741	\$ 7,324,741	\$ 7,324,741
2d	Build a new 230 kV circuit from Laramie to Occurrence	b2015	\$ 171,769,848	\$ 171,769,848	\$ 171,769,848	\$ 171,769,848	\$ 171,769,848	\$ 171,769,848	\$ 171,769,848	\$ 171,769,848	\$ 171,769,848	\$ 171,769,848	\$ 171,769,848	\$ 171,769,848	\$ 171,769,848	\$ 171,769,848

NOTE

[A] Project Gross Plant is the total capital investment for the project, including subsequent capital investments required to maintain the project in-service. Utilizing a 12-month average

[D] Company records

Period II

TEC Worksheet Summary  
Net Plant Detail

Statement BIC  
Attachment 11-A, Attachment 11a  
Page 2 of 2  
For the 12 months ended 12/31/2020

Accumulated Depreciation	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Project Net Plant
(Note B)	(Note D)	(Note D)	(Note D)	(Note D)	(Note D)	(Note D)	(Note D)	(Note D)	(Note D)	(Note D)	(Note D)	(Note D)	(Note D)	(Note B & C)
\$ 2,042,694	\$ 2,828,781	\$ 3,154,434	\$ 2,580,086	\$ 2,905,724	\$ 2,931,390	\$ 2,957,042	\$ 2,982,694	\$ 3,008,346	\$ 3,033,998	\$ 3,059,650	\$ 3,085,303	\$ 3,110,955	\$ 3,136,607	\$9,809,445
\$ 1,092,312	\$ 1,019,014	\$ 1,051,230	\$ 1,043,446	\$ 1,055,663	\$ 1,067,879	\$ 1,080,095	\$ 1,092,312	\$ 1,104,528	\$ 1,116,744	\$ 1,128,961	\$ 1,141,177	\$ 1,153,393	\$ 1,165,609	\$4,891,189
\$ 835,432	\$ 764,436	\$ 799,269	\$ 794,181	\$ 808,934	\$ 823,767	\$ 838,599	\$ 853,432	\$ 868,265	\$ 883,098	\$ 897,930	\$ 912,763	\$ 927,595	\$ 942,428	\$4,471,308
\$ 10,889,247	\$9,065,855	\$9,347,921	\$8,672,188	\$9,678,451	\$10,280,716	\$10,884,982	\$10,889,247	\$11,183,512	\$11,497,777	\$11,802,043	\$12,106,308	\$12,410,573	\$12,714,838	\$180,860,001

NOTE (B) Utilizing a 15-month average (C) Taken to Attachment 11, Page 2, Col. d (D) Company records

Attachment 8

Exhibit No. JCP-402  
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Period II

Statement BIC  
Attachment H-4A, Attachment 12  
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For the 12 months ended 12/31/2020

TEC - True-up  
To be completed after Attachment 11 for the True-up Year is updated using actual data

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Line No.	Project Name	RTEP Project Number	Actual Revenues for Attachment 11	Projected Annual Revenue Requirement	% of Total Revenue Requirement	Revenue Received	Actual Annual Revenue Requirement	True-up Adjustment Principal Over/Under	Applicable Interest Rate on Over/Under	Total True-up Adjustment with Interest Over/Under
				Projected Attachment 11 p 2 of 2, col. 14	Col d, line 2 / Col. d, line 3	Col e, line 1 * Col e	Actual Attachment 11 p 2 of 2, col. 14	Col. f - Col. G	Col. H line 2x / Col. H line 3 * Col. J line 4	Col. h + Col. i
1	[A] Actual RTEP Credit Revenues for true-up year:		0							
2a	Project 1			-	-	-	-	-	\$DIV/0!	\$DIV/0!
2b	Project 2				-	-	-	-	\$DIV/0!	\$DIV/0!
2c	Project 3				-	-	-	-	\$DIV/0!	\$DIV/0!
3	Subtotal			-			-	-		\$DIV/0!
4	Total Interest (Sourced from Attachment 13a, line 30)									-

NOTE [A] Amount indicated in revenues reported on pages 328-330 of FERC Form 1.

Period II

Statement BK  
Attachment H-4A, Attachment 13  
page 1 of 1  
For the 12 months ended 12/31/2020

## Net Revenue Requirement True-up with Interest

Reconciliation Revenue Requirement For Year 2018 Available June 10, 2019	2018 Revenue Requirement Collected by PJM Based on Forecast filed on Oct 31, 2017	True-up Adjustment - Over (Under) Recovery
\$0	\$0	\$0

		Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
2	Interest Rate on Amount of Refunds or Surcharges <sup>(A)</sup>		0.0000%				
An over or under collection will be recovered prorata over 2018, held for 2019 and returned prorata over 2020							
<u>Calculation of Interest</u>				Monthly			
3	January	Year 2018	-	0.0000%	12	-	-
4	February	Year 2018	-	0.0000%	11	-	-
5	March	Year 2018	-	0.0000%	10	-	-
6	April	Year 2018	-	0.0000%	9	-	-
7	May	Year 2018	-	0.0000%	8	-	-
8	June	Year 2018	-	0.0000%	7	-	-
9	July	Year 2018	-	0.0000%	6	-	-
10	August	Year 2018	-	0.0000%	5	-	-
11	September	Year 2018	-	0.0000%	4	-	-
12	October	Year 2018	-	0.0000%	3	-	-
13	November	Year 2018	-	0.0000%	2	-	-
14	December	Year 2018	-	0.0000%	1	-	-
				Annual			
15	January through December	Year 2019	-	0.0000%	12	-	-
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>				Monthly			
16	January	Year 2020	-	0.0000%	-	-	-
17	February	Year 2020	-	0.0000%	-	-	-
18	March	Year 2020	-	0.0000%	-	-	-
19	April	Year 2020	-	0.0000%	-	-	-
20	May	Year 2020	-	0.0000%	-	-	-
21	June	Year 2020	-	0.0000%	-	-	-
22	July	Year 2020	-	0.0000%	-	-	-
23	August	Year 2020	-	0.0000%	-	-	-
24	September	Year 2020	-	0.0000%	-	-	-
25	October	Year 2020	-	0.0000%	-	-	-
26	November	Year 2020	-	0.0000%	-	-	-
27	December	Year 2020	-	0.0000%	-	-	-
28	True-Up with Interest				\$	-	
29	Less Over (Under) Recovery				\$	-	
30	Total Interest				\$	-	

[A] Interest rate equal to: (i) JCP&L's actual short-term debt costs capped at the interest rate determined by 18 C.F.R. 35.19a; or (ii) the interest rate determined by 18 C.F.R. 35.19, if JCP&L does not have short term debt

Period II

Statement BK  
Attachment H-4A, Attachment 13a  
page 1 of 1  
For the 12 months ended 12/31/2020

## TEC Revenue Requirement True-up with Interest

TEC Reconciliation Revenue Requirement For Year 2018 Available June 10, 2019	TEC 2018 Revenue Requirement Collected by PJM Based on Forecast filed on Oct.31, 2017	True-up Adjustment - Over (Under) Recovery
\$0	\$0	\$0

		Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
2	Interest Rate on Amount of Refunds or Surcharges <sup>(A)</sup>		0.0000%				
An over or under collection will be recovered prorata over 2018, held for 2019 and returned prorata over 2020							
<u>Calculation of Interest</u>				Monthly			
3	January	Year 2018	-	0.0000%	12	-	-
4	February	Year 2018	-	0.0000%	11	-	-
5	March	Year 2018	-	0.0000%	10	-	-
6	April	Year 2018	-	0.0000%	9	-	-
7	May	Year 2018	-	0.0000%	8	-	-
8	June	Year 2018	-	0.0000%	7	-	-
9	July	Year 2018	-	0.0000%	6	-	-
10	August	Year 2018	-	0.0000%	5	-	-
11	September	Year 2018	-	0.0000%	4	-	-
12	October	Year 2018	-	0.0000%	3	-	-
13	November	Year 2018	-	0.0000%	2	-	-
14	December	Year 2018	-	0.0000%	1	-	-
					-	-	-
				Annual			
15	January through December	Year 2019	-	0.0000%	12	-	-
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>				Monthly			
16	January	Year 2020	-	0.0000%	-	-	-
17	February	Year 2020	-	0.0000%	-	-	-
18	March	Year 2020	-	0.0000%	-	-	-
19	April	Year 2020	-	0.0000%	-	-	-
20	May	Year 2020	-	0.0000%	-	-	-
21	June	Year 2020	-	0.0000%	-	-	-
22	July	Year 2020	-	0.0000%	-	-	-
23	August	Year 2020	-	0.0000%	-	-	-
24	September	Year 2020	-	0.0000%	-	-	-
25	October	Year 2020	-	0.0000%	-	-	-
26	November	Year 2020	-	0.0000%	-	-	-
27	December	Year 2020	-	0.0000%	-	-	-
					-	-	-
28	True-Up with Interest				\$	-	
29	Less Over (Under) Recovery				\$	-	
30	Total Interest				\$	-	

[A] Interest rate equal to: (i) JCP&L's actual short-term debt costs capped at the interest rate determined by 18 C.F.R. 35.19; or (ii) the interest rate determined by 18 C.F.R. 35.19, if JCP&L does not have short term debt



Attachment 8

Period II

Statement BK  
Attachment H-4A, Attachment I4  
page 1 of 1  
For the 12 months ended 12/31/2020

		Other Rate Base Items					
		[1]	[2]	[3]	[4]	[5]	[6]
		Land Held for	Materials &	Prepayments		Total	
		Future Use	Supplies	(Account 165)			
	(A)	214.x.d	227.x.c & .16.c	131.57.c (B)			
1	December 31	2019	-	-	2,131,064	2,131,064	
2	December 31	2020	-	-	2,131,064	2,131,064	
3	Begin/End Average		-	-	2,131,064	2,131,064	
		Unfunded Reserve - Plant Related					Total
	FERC Acct No.	228.1	228.2	228.3	228.4	242	
	(A) (C)	112.27.c	112.28.c	112.29.c	112.30.c	113.48.c	
4	December 31	2019	-	-	-	-	-
5	December 31	2020	-	-	-	-	-
6	Begin/End Average		-	-	-	-	-
		Unfunded Reserve - Labor Related					Total
	FERC Acct No.	228.1	228.2	228.3	228.4	242	
	(A) (C)	112.27.c	112.28.c	112.29.c	112.30.c	113.48.c	
7	December 31	2019	-	-	-	-	-
8	December 31	2020	-	-	-	-	-
9	Begin/End Average		-	-	-	-	-

Notes:

[A] Reference for December balances as would be reported in FERC Form 1.

[B] Prepayments shall exclude prepayments of income taxes.

[C] Includes transmission-related balance only

## Attachment 8

Period II

Statement BK  
Attachment H-4A, Attachment 15  
page 1 of 1  
For the 12 months ended 12/31/2020

[1]	Income Tax Adjustments	
	[2]	[3] Dec 31, 2020
		<u>Reference</u>
1 Tax adjustment for Permanent Differences & AFUDC Equity	[A] [C]	242,045 JCP&L Company Records
2 Amortized Excess Deferred Taxes (enter negative)	[B] [C]	(2,196,889) JCP&L Company Records
3 Amortized Deficient Deferred Taxes	[B] [C]	- JCP&L Company Records

## Notes:

[A] AFUDC equity component is the gross cumulative annual amount based upon tax records of capitalized AFUDC equity embedded in the gross plant attributable to the transmission function.

[B] Upon enactment of changes in tax law, income tax rates (including changes in apportionment) and other actions taken by a taxing authority, deferred taxes are re-measured and adjusted in the Company's books of account, resulting in excess or deficient accumulated deferred taxes. Such excess or deficient deferred taxes attributed to the transmission function will be based upon tax records and calculated in the calendar year in which the excess or deficient amount was measured and recorded for financial reporting purposes. The balance located within Column 3, row 2 and row 3, is the net impact of excess deferred and deficient amortization.

[C] Year end balance for line 1 taken to Attachment H-4A, page 3, line 32; Year end balance for lines 2-3 taken to Attachment H-4A, page 3, line 33

Period II

Statement BK  
Attachment H-4A, Attachment 15a  
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For the 12 months ended 12/31/2020

	COLUMN A	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F
Line No.	Description	EDIT Transmission Allocation	Amortization Period	Years Remaining at Year End	Amortization of EDIT	Protected (P) Non- Protected (N)
1	Accrued Taxes: FICA on Vacation Accrual	8,680	10	7	868	N
2	Accrued Taxes: Tax Audit Reserves	6,238	10	7	624	N
3	Accum Prov For Inj and Damage-Gen Liability	15,386	10	7	1,539	N
4	Accum Prov For Inj and Damage-Workers Comp	50,817	10	7	5,082	N
5	Asset Retirement Obligation Liability	(1,647)	10	7	(165)	N
6	Company Debt - Issuance Discount	16,436	10	7	1,644	N
7	Deferred Charge-EIB	(15,677)	10	7	(1,568)	N
8	FAS 112 - Medical Benefit Accrual	165,849	10	7	16,585	N
9	FAS 158 OPEB OCI Offset	(22,157)	10	7	(2,216)	N
10	FAS 158 Pension OCI Offset	1,790	10	7	179	N
11	FE Service Tax Interest Allocation	(712)	10	7	(71)	N
12	FE Service Timing Allocation	(503,373)	10	7	(50,337)	N
13	Federal Long Term NOL	5,037,433	35	32	143,927	P
14	Federal Long Term NOL	6,981,827	10	7	698,183	N
15	GR&F Tax Audit	36,747	10	7	3,675	N
16	NOL Deferred Tax Asset - LT NJ	(106,781)	10	7	(10,678)	N
17	Pension/OPEB : Other Def Cr. or Dr.	2,289,854	10	7	228,985	N
18	Pensions Expense	2,716,133	10	7	271,613	N
19	PJM Receivable	(1,381,762)	10	7	(138,176)	N
20	Post Retirement Benefits SFAS 106 Accrual	3,107,222	10	7	310,722	N
21	Post Retirement Benefits SFAS 106 Payments	(1,090,624)	10	7	(109,062)	N
22	Sale of Property - Book Gain or (Loss)	89,727	10	7	8,973	N
23	Sale of Property - Tax Gain or (Loss)	(94,435)	10	7	(9,444)	N
24	State Income Tax Deductible	(680,043)	10	7	(68,004)	N
25	Storm Damage	(6,198,498)	10	7	(619,850)	N
26	Unamortized Gain on Reacquired Debt	1,606	10	7	161	N
27	Unamortized Loss on Reacquired Debt	(204,887)	10	7	(20,489)	N
28	Vacation Pay Accrual	95,018	10	7	9,502	N
29	Vegetation Management	(29,221)	10	7	(2,922)	N
30	Total Non-Property Amortization (Total of lines 1 thru 29)				669,278	
31	Property Book-Tax Timing Difference [B] [C]				(2,866,167)	N & P
32	Total Non-Property & Property Amortization [A] [B] [C]				(2,196,889)	N & P

## Notes:

Above amortization is populated from company records

[A] Ties to Attachment 15, page 1, line 2, column 3 for net excess &amp; Attachment 15, page 1, line 3, Column 3 for net deficient

[B] The amortization schedule of the EDIT balance related to Tax Cuts and Job Act of 2017 shall be consistent with the following periods:

Protected Property &amp; Non-Protected Property

ARAM

Non-Protected, Non-Property:

10 years

Protected, Non-Property:

35 years

[C] The regulatory assets and liabilities, included in FERC accounts 182.3 and 254, respectively, will amortize through FERC income statement accounts 410.1 and 411.1

## Attachment 8

Exhibit No. JCP-402  
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Period II

Statement BK  
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For the 12 months ended 12/31/2020

	[1]	[2]	Abandoned Plant		[5]	[6]	[7]
			[3] Months Remaining in Amortiza- tion Period	[4] Beginning Balance		Amortization Expense ( p114.10.c ) Additions (Deductions )	
1 <u>Monthly Balance</u>		Source					Ending Balance
2 December 2019		p111.71.d (and Notes)	13				-
3 January		FERC Account 182.2	12	-	-	-	-
4 February		FERC Account 182.2	11	-	-	-	-
5 March		FERC Account 182.2	10	-	-	-	-
6 April		FERC Account 182.2	9	-	-	-	-
7 May		FERC Account 182.2	8	-	-	-	-
8 June		FERC Account 182.2	7	-	-	-	-
9 July		FERC Account 182.2	6	-	-	-	-
10 August		FERC Account 182.2	5	-	-	-	-
11 September		FERC Account 182.2	4	-	-	-	-
12 October		FERC Account 182.2	3	-	-	-	-
13 November		FERC Account 182.2	2	-	-	-	-
14 December 2020		p111.71.e (and Notes) Detail on p230b	1	-	-	-	-
15 Ending Balance 13-Month Average (sum lines 2-14) /13					<u>\$0.00</u>		<u>\$0.00</u>

Attachment H-4A, page 3, Line 16

Attachment H-4A, page 2, Line 27

Note:

Recovery of abandoned plant is limited to any abandoned plant recovery authorized by FERC and will be zero until the Commission accepts or approves recovery of the cost of abandoned plant

Period II

Statement BK  
Attachment H-4A, Attachment 17  
page 1 of 1  
For the 12 months ended 12/31/2020

CWIP  
[A]  
216.b

1	December	2019
2	January	2020
3	February	2020
4	March	2020
5	April	2020
6	May	2020
7	June	2020
8	July	2020
9	August	2020
10	September	2020
11	October	2020
12	November	2020
13	December	2020

14 13-month Average

Notes:

[A] Includes only CWIP authorized by the Commission for inclusion in rate base.

Period II

Statement BK  
Attachment H-4A, Attachment 20  
page 1 of 2  
For the 12 months ended 12/31/2020

**Operation and Maintenance Expenses**

FF1 Page 321 Line No.	Account Reference	Description	Account Balance [A]
82		<i>Operation</i>	
83	560	Operation Supervision and Engineering	\$306,210
84			
85	561.1	Load Dispatch-Reliability	\$1,220,421
86	561.2	Load Dispatch-Monitor and Operate Transmission System	\$222,747
87	561.3	Load-Dispatch-Transmission Service and Scheduling	
88	561.4	Scheduling, System Control and Dispatch Services	\$246,660
89	561.5	Reliability, Planning and Standards Development	\$570,765
90	561.6	Transmission Service Studies	\$55,682
91	561.7	Generation Interconnection Studies	-\$626,846
92	561.8	Reliability, Planning and Standards Development Services	\$9,300
93	562	Station Expenses	
94	563	Overhead Lines Expense	\$903,726
95	564	Underground Lines Expense	
96	565	Transmission of Electricity by Others	\$306,000
97	566	Miscellaneous Transmission Expense	-\$7,388,875
98	567	Rents	\$10,387,615
99		TOTAL Operation (Enter Total of Lines 83 thru 98)	\$6,213,405
100		<i>Maintenance</i>	
101	568	Maintenance Supervision and Engineering	\$3,094,294
102	569	Maintenance of Structures	
103	569.1	Maintenance of Computer Hardware	\$22,115
104	569.2	Maintenance of Computer Software	\$27,442
105	569.3	Maintenance of Communication Equipment	
106	569.4	Maintenance of Miscellaneous Regional Transmission Plant	
107	570	Maintenance of Station Equipment	\$4,040,963
108	571	Maintenance of Overhead Lines	\$18,879,685
109	572	Maintenance of Underground Lines	
110	573	Maintenance of Miscellaneous Transmission Plant	\$10,714
111		TOTAL Maintenance (Total of lines 101 thru 110)	\$26,075,213
112		TOTAL Transmission Expenses (Total of lines 99 and 111)	\$32,288,618

Notes:

[A] December balances as would be reported in FERC Form 1

Attachment H-4A, Attachment 20  
page 2 of 2  
For the 12 months ended 12/31/2020

**Administrative and General (A&G) Expenses**

FF1 Page 323 Line	Account Reference	Description	Account Balance [B]
No.			
180		<i>Operation</i>	
181	920	Administrative and General Salaries	-\$45,147
182	921	Office Supplies and Expenses	\$78,157
183	Less 922	Administrative Expenses Transferred - Credit	
184	923	Outside Services Employed	\$3,975,503
185	924	Property Insurance	\$24,239
186	925	Injuries and Damages	\$259,311
187	926	Employee Pensions and Benefits	-\$2,183,646
188	927	Franchise Requirements	
189	928	Regulatory Commission Expense	\$408,174
190	Less 929	(Less) Duplicate Charges-Cr.	
191	930.1	General Advertising Expenses	\$62,614
192	930.2	Miscellaneous General Expenses	\$222,802
193	931	Rents	\$55,193
194		<b>Total Operation (Enter Total of lines 181 thru 193)</b>	<b>\$2,857,200</b>
195		<i>Maintenance</i>	
196	935	Maintenance of General Plant	\$201,322
197		<b>TOTAL A&amp;G Expenses (Total of lines 194 and 196)</b>	<b>\$3,058,522</b>

## Notes:

[B] December balances as would be reported in FERC Form 1, transmission only