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December 14, 2017

**VIA ELECTRONIC MAIL & HAND DELIVERY**

Irene Kim Asbury, Esquire  
Secretary of the Board  
Board of Public Utilities  
44 South Clinton Ave.  
3<sup>rd</sup> Floor, Suite 314  
Trenton, New Jersey 08625-0350

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, 2015

-and-

In the Matter of the Provision of Basic Generation Service for the Period  
Beginning June 1, 2016

-and-

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

BPU Docket Nos. EO03050394, ER14040370, ER15040482, ER16040337

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

Dear Secretary Asbury:

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 changes to the PJM Open Access

Irene K. Asbury, Secretary

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Transmission Tariff ("OATT") made in response to the annual formula rate update filing made by JCP&L in Federal Energy Regulatory Commission ("FERC") Docket No. ER17-217-000.<sup>1</sup>

### **Background**

In its Orders dated October 22, 2003 (BPU Docket No. EO03050394) and October 22, 2004 (BPU Docket No. EO04040288), the Board of Public Utilities ("Board") 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 the Board Order dated August 23, 2017 in BPU Docket No. ER17060671, the Board again concluded that such a "pass through" of FERC-approved transmission rate changes was appropriate.

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, 2018, and specifically reflect changes to BGS rates applicable to Basic Generation Service – Residential Small Commercial Pricing ("BGS-RSCP"), and Commercial and Industrial Energy Pricing ("BGS-CIEP") customers resulting from the JCP&L annual formula rate update filed with FERC on October 31, 2017. The specific additional PJM transmission charges related to the JCP&L filing are found in Schedule 12 of the PJM OATT. On July 19, 2017, PJM updated its Schedule 12 Transmission Enhancement Worksheet, which, along with Schedule 12 of the PJM OATT, is utilized in developing this filing and incorporates the formula rate update referenced herein. Because BGS suppliers will begin paying these increased transmission charges in January 2018, the EDCs request a waiver of the 30-day filing requirement.

These Schedule 12 charges, also defined as Transmission Enhancement Charges ("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, 2018. 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

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<sup>1</sup> JCP&L's formula rate became effective, subject to refund, on June 1, 2017. *See* 158 FERC ¶ 62,186 (March 10, 2017).

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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 are set forth in Schedule 12 of the PJM OATT and on the Formula Rates page of the PJM website. A copy of JCP&L's formula rate update is attached, but, can 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, 2018, 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 2018 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 the formula rate update 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, 2018. 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,



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

Attachments

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c: Thomas Walker, NJBPU  
Stacy Peterson, NJBPU  
Stefanie Brand, Division of Rate Counsel  
Service List (via Electronic Mail)

Jersey Central Power & Light Company  
Compliance Tariff Filing Reflecting Changes to Schedule  
12 Charges in PJM Open Access Transmission Tariff  
BPU Docket No. \_\_\_\_\_

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Eugene Meehan NERA 1255 23rd Street Suite 600 Washington, DC 20037	Chantale LaCasse NERA 1166 Avenue of the Americas, 29th Floor New York, NY 10036	Myron Filewicz Manager - BGS PSE&G 80 Park Plaza, T-8 P.O. Box 570 Newark, NJ 07101

Jersey Central Power & Light Company  
Compliance Tariff Filing Reflecting Changes to Schedule  
12 Charges in PJM Open Access Transmission Tariff  
BPU Docket No. \_\_\_\_\_

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Jersey Central Power & Light Company  
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Kim M. Durham Citigroup Energy Inc. 2800 Post Oak Boulevard Suite 500 Houston, TX 77056		

## **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, 2018 through December 31, 2018

Line #	Description	Rate	Source
(1)	Transmission Service Annual Revenue Requirement	\$ 171,363,108	Attachment 8, Page 1 (Attachment H-4A) Line 1 minus Line 4
(2)	Total Schedule 12 TEC Included in Above	\$ (23,969,269)	Attachment 8, Page 1 (Attachment H-4A) Line 7
(3)	JCP&L Customer Share of Schedule 12 TEC	\$ 9,364,952	Attachment 6, Column g
(4)	Total Transmission Costs Borne by JCP&L Customers	\$ 156,758,791	=(1) + (2) + (3)
(5)	2018 JCP&L Network Service Peak	5,721.0 MW	Attachment 8, Page 1 (Attachment H-4A) Line 11
(6)	2018 Derived Network Integration Transmission Service Rate	\$ 27,400.59 per MW-year	
	Resulting 2018 BGS Firm Transmission Service Supplier Rate	\$ 75.07 per MW-day	= (6)/365

## **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**

<p align="center"><b>Service Classification RS</b> <b>Residential Service</b></p>
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**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:** \$0.008783 per KWH for all KWH (except Water Heating)  
\$0.007293 per KWH Off-Peak/Controlled Water Heating

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

- 1) **Customer Charge:** \$2.97 per month  
**Supplemental Customer Charge:** \$1.55 per month Off-Peak/Controlled Water Heating
- 2) **Distribution Charge:**

**June through September:**  
\$0.016140 per KWH for the first 600 KWH (except Water Heating)  
\$0.063825 per KWH for all KWH over 600 KWH (except Water Heating)

**October through May:**  
\$0.026440 per KWH for all KWH (except Water Heating)

**Water Heating Service:**  
\$0.017645 per KWH for all KWH for Off-Peak Water Heating  
\$0.023242 per KWH for all KWH for Controlled Water Heating

**Issued:**

**Effective: January 1, 2018**

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**Docket No.      dated**

**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:** \$0.007293 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:** \$5.54 per month  
**Solar Water Heating Credit:** \$1.39 per month
- 2) **Distribution Charge:**  
\$ 0.049470 per KWH for all KWH on-peak for June through September  
\$ 0.036338 per KWH for all KWH on-peak for October through May  
\$ 0.023109 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)  
\$ 0.001664 per KWH for all KWH on-peak and off-peak
- 4) **Societal Benefits Charge (Rider SBC):**  
\$ 0.007189 per KWH for all KWH on-peak and off-peak
- 5) **System Control Charge (Rider SCC):**  
\$ 0.000000 per KWH for all KWH on-peak and off-peak
- 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):**  
\$ 0.003288 per KWH for all KWH on-peak and off-peak

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**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:**  
\$0.007293 per KWH for all KWH on-peak and off-peak for June through September  
\$0.008783 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: \$5.54 per month**
- 2) **Distribution Charge:**  
**June through September:**  
\$0.049470 per KWH for all KWH on-peak  
\$0.023109 per KWH for all KWH off-peak  
**October through May:**  
\$0.026440 per KWH for all KWH

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Docket No.      dated**

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

**JERSEY CENTRAL POWER & LIGHT COMPANY**

**BPU No. 12 ELECTRIC - PART III**

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

**Service Classification GS  
General Service Secondary**

**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:**  
    \$ 0.008760 per KWH for all KWH (excluding Water Heating)  
    \$ 0.007293 per KWH for all KWH Off-Peak/Controlled Water Heating

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

- 1) **Customer Charge:**     \$ 3.32 per month single-phase  
                              \$11.90 per month three-phase  
  
    **Supplemental Customer Charge:**     \$ 1.55 per month Off-Peak/Controlled Water Heating  
  \$ 2.72 per month Day/Night Service  
  \$12.36 per month Traffic Signal Service
- 2) **Distribution Charge:**  
  
    **KW Charge: (Demand Charge)**  
        \$ 7.08 per maximum KW during June through September, in excess of 10 KW  
        \$ 6.60 per maximum KW during October through May, in excess of 10 KW  
        \$ 3.21 per KW Minimum Charge, in excess of 10 KW

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

**JERSEY CENTRAL POWER & LIGHT COMPANY**

**BPU No. 12 ELECTRIC - PART III**

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

**Service Classification GST  
General Service Secondary Time-Of-Day**

**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: \$0.007004 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: \$31.89 per month single-phase  
\$45.52 per month three-phase**
- 2) **Distribution Charge:**

**KW Charge: (Demand Charge)**

**\$ 7.50 per maximum KW during June through September  
\$ 7.01 per maximum KW during October through May  
\$ 3.26 per KW Minimum Charge**

**KWH Charge:**

**\$0.004982 per KWH for all KWH on-peak  
\$0.004982 per KWH for all KWH off-peak**

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



<b>Service Classification GP</b> <b>General Service Primary</b>
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**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: \$0.005885** 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: \$56.16** per month
- 2) **Distribution Charge:**

**KW Charge: (Demand Charge)**

\$ 5.85 per maximum KW during June through September  
\$ 5.43 per maximum KW during October through May  
\$ 1.98 per KW Minimum Charge

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

\$0.37 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:**

\$0.003601 per KWH for all KWH on-peak and off-peak

- 3) **Non-utility Generation Charge (Rider NGC):**  
\$ 0.001580 per KWH for all KWH on-peak and off-peak
- 4) **Societal Benefits Charge (Rider SBC):**  
\$ 0.007189 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) **System Control Charge (Rider SCC):**  
\$ 0.000000 per KWH for all KWH on-peak and off peak
- 7) **RGGI Recovery Charge (Rider RRC):**  
See Rider RRC for rate per KWH for all KWH on-peak and off-peak
- 8) **Storm Recovery Charge (Rider SRC):**  
\$ 0.003288 per KWH for all KWH on-peak and off peak

Issued:

Effective: January 1, 2018

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Docket No.      dated

<p align="center"><b>Service Classification GT</b> <b>General Service Transmission</b></p>
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**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: \$0.004695 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: \$240.00 per month**
- 2) **Distribution Charge:**
  - KW Charge: (Demand Charge)**
    - \$ 3.76 per maximum KW
    - \$ 1.00 per KW High Tension Service Credit
    - \$ 2.50 per KW DOD Service Credit
  - KW Minimum Charge: (Demand Charge)**
    - \$ 1.14 per KW Minimum Charge
    - \$ 0.76 per KW DOD Service Credit
    - \$ 0.48 per KW Minimum Charge Credit
  - KVAR Charge: (Kilovolt-Ampere Reactive Charge)**
    - \$0.36 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:**
    - \$0.002763 per KWH for all KWH on-peak and off-peak
    - \$0.000981 per KWH High Tension Service Credit
    - \$0.001796 per KWH DOD Service Credit
- 3) **Non-utility Generation Charge (Rider NGC):**
  - \$ 0.001549 per KWH for all KWH on-peak and off-peak – excluding High Tension Service
  - \$ 0.001517 per KWH for all KWH on-peak and off-peak – High Tension Service
- 4) **Societal Benefits Charge (Rider SBC):**
  - \$ 0.007189 per KWH for all KWH on-peak and off-peak

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**Docket No.                      dated**

**JERSEY CENTRAL POWER & 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>
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**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>KWH *</u>	<u>HPS</u>	<u>MV</u>	<u>SV</u>
<u>Lamp</u> <u>Wattage</u>	<u>Lamp &amp; Ballast</u> <u>Wattage</u>		<u>Area Lighting</u>	<u>Area Lighting</u>	<u>Flood Lighting</u>
100	121	42	Not Available	<b>\$ 2.62</b>	Not Available
175	211	74	Not Available	<b>\$ 2.62</b>	Not Available
70	99	35	<b>\$10.92</b>	Not Available	Not Available
100	137	48	<b>\$10.92</b>	Not Available	Not Available
150	176	62	Not Available	Not Available	<b>\$12.82</b>
250	293	103	Not Available	Not Available	<b>\$13.47</b>
400	498	174	Not Available	Not Available	<b>\$13.82</b>

\* 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: \$0.001870 per KWH**

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

- 1) **Distribution Charge: \$0.049226 per KWH**
- 2) **Non-utility Generation Charge (Rider NGC): \$0.001664 per KWH**
- 3) **Societal Benefits Charge (Rider SBC): \$0.007189 per KWH**
- 4) **System Control Charge (Rider SCC): \$0.000000 per KWH**
- 5) **RGGI Recovery Charge (Rider RRC): See Rider RRC for rate per KWH**
- 6) **Storm Recovery Charge (Rider SRC): \$0.003288 per KWH**

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

**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

Lamp Wattage	Lamp & Ballast Wattage	Billing Month KWH *	Company Fixture	Contribution Fixture	Customer Fixture
50	60	21	\$ 6.37	\$ 1.78	\$ 0.86
70	85	30	\$ 6.37	\$ 1.78	\$ 0.86
100	121	42	\$ 6.37	\$ 1.78	\$ 0.86
150	176	62	\$ 6.37	\$ 1.78	\$ 0.86
250	293	103	\$ 7.53	\$ 1.78	\$ 0.86
400	498	174	\$ 7.53	\$ 1.78	\$ 0.86

\* 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: \$0.001870 per KWH**

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

- 1) **Distribution Charge: \$0.049226 per KWH**
- 2) **Non-utility Generation Charge (Rider NGC): \$0.001664 per KWH**
- 3) **Societal Benefits Charge (Rider SBC): \$0.007189 per KWH**
- 4) **System Control Charge (Rider SCC): \$0.000000 per KWH**
- 5) **RGGI Recovery Charge (Rider RRC): See Rider RRC for rate per KWH**
- 6) **Storm Recovery Charge (Rider SRC): \$0.003288 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.

**Issued:**

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

<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:**

<u>Nominal Ratings</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>
<u>Lamp</u> <u>Wattage</u>	<u>Lamp &amp; Ballast</u> <u>Wattage</u>				
100	121	42	\$ 4.45	\$ 1.68	\$ 0.85
175	211	74	\$ 4.45	\$ 1.68	\$ 0.85
250	295	103	\$ 4.45	\$ 1.68	\$ 0.85
400	468	164	\$ 4.82	\$ 1.68	\$ 0.85
700	803	281	\$ 5.83	\$ 1.68	\$ 0.85
1000	1135	397	\$ 5.83	\$ 1.68	\$ 0.85

\* 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: \$0.001870 per KWH**

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

- 1) **Distribution Charge: \$0.049226 per KWH**
- 2) **Non-utility Generation Charge (Rider NGC): \$0.001664 per KWH**
- 3) **Societal Benefits Charge (Rider SBC): \$0.007189 per KWH**
- 4) **System Control Charge (Rider SCC): \$0.000000 per KWH**
- 5) **RGGI Recovery Charge (Rider RRC): See Rider RRC for rate per KWH**
- 6) **Storm Recovery Charge (Rider SRC): \$0.003288 per KWH**

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

<p align="center"><b>Service Classification ISL</b>  <b>Incandescent Street Lighting Service</b></p>
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**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>	<u>Billing Month</u>		
<u>Lamp</u>	<u>Wattage</u>	<u>KWH *</u>	
		<u>Company Fixture</u>	<u>Customer Fixture</u>
105	37	\$ 1.88	\$ 0.85
205	72	\$ 1.88	\$ 0.85
327	114	\$ 1.88	\$ 0.85
448	157	\$ 1.88	\$ 0.85
690	242	\$ 1.88	\$ 0.85
860	301	\$ 1.88	\$ 0.85

\* 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: \$0.001870 per KWH**

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

- 1) **Distribution Charge: \$0.049226 per KWH**
- 2) **Non-utility Generation Charge (Rider NGC): \$0.001664 per KWH**
- 3) **Societal Benefits Charge (Rider SBC): \$0.007189 per KWH**
- 4) **System Control Charge (Rider SCC): \$0.000000 per KWH**
- 5) **RGGI Recovery Charge (Rider RRC): See Rider RRC for rate per KWH**
- 6) **Storm Recovery Charge (Rider SRC): \$0.003288 per KWH**

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**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:**

<u>Lamp Wattage</u>	<u>Type</u>	<u>Lumens</u>	<u>Billing Month KWH*</u>	<u>Company Fixture</u>
50	Cobra Head	4000	18	\$ 6.80
90	Cobra Head	7000	32	\$ 7.52
130	Cobra Head	11500	46	\$ 8.96
260	Cobra Head	24000	91	\$ 11.57
50	Acorn	2500	18	\$ 16.29
90	Acorn	5000	32	\$ 17.04
50	Colonial	2500	18	\$ 9.32
90	Colonial	5000	32	\$ 13.22

\* 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: \$0.001870 per KWH**

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

- 1) **Distribution Charge: \$0.049226 per KWH**
- 2) **Non-utility Generation Charge (Rider NGC): \$0.001664 per KWH**
- 3) **Societal Benefits Charge (Rider SBC): \$0.007189 per KWH**
- 4) **System Control Charge (Rider SCC): \$0.000000 per KWH**
- 5) **RGGI Recovery Charge (Rider RRC): See Rider RRC for rate per KWH**
- 6) **Storm Recovery Charge (Rider SRC): \$0.003288 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 term shall be made at the expense of the customer.

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300 Madison Avenue, Morristown, NJ 07962-1911

## **Attachment 2b**

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



**Attachment 2b - JCP&L Translation of NITS Charge into BGS Customer Rates - RSCP and CIEP**

NITS Charges for January 2018 - December 2018

Effective 1/1/18 - 12/31/18  
(All \$ values shown without SUT, except as noted)

JCP&L Annual Transmission Service Revenue Requirements  
Total Schedule 12 TEC Included in Above  
JCP&L Customer Share of Schedule 12 TEC  
NITS Charges for January 2018 - December 2018

\$ 171,363,108  
\$ (23,969,269)  
\$ 9,364,952  
\$ 156,758,791

JCP&L Zonal Transmission Load for 2018 (MW)

5,721.0

Proposed NITS Rate for 2018 (per MW-yr)

\$ 27,400.59

Current NITS (per MW-yr)

\$ 15,112.00

Resulting Increase in NITS Rate (per MW-yr)

\$ 12,288.59

% Increase

81.3%

Total JCP&L Retail Transmission Load for 2018 (MW)

5,592.3

Total Proposed Transmission Revenues - Retail

\$ 153,232,335

Transmission Obligation (NSPL)  
Secondary Voltages  
Primary Voltages  
Transmission Voltages

Proposed Transmission Allocations  
(MW) (\$ Trans Rev)  
4,934.8 \$ 135,216,445  
348.5 \$ 9,549,107  
309.0 \$ 8,466,783  
5,592.3 \$ 153,232,335

Current Transmission Rates  
Proposed Transmission Rates Effective 1/1/2018 (1)  
Proposed Transmission Rates Effective 1/1/2018 with SUT  
% Increase

RT	RS	GS	GST	OL/SL	GP	GT
\$0.003842	\$0.004627	\$0.004615	\$0.003690	\$0.003508	\$0.003668	\$0.003573
\$0.006840	\$0.008237	\$0.008216	\$0.006569	\$0.001754	\$0.005519	\$0.004403
\$0.007293	\$0.008783	\$0.008760	\$0.007004	\$0.001870	\$0.005885	\$0.004695
78.0%	78.0%	78.0%	78.0%	-50.0%	50.5%	23.2%

(1) See Proof of Transmission Revenue Requirement

BGS-RSCP Supplier Payment Adjustment

Line No.

- 1 BGS-RSCP Eligible Sales January through December @ Customer  
15,159,224 MWH
- 2 BGS-RSCP Eligible Sales January through December @ Transmission Node  
16,830,967 MWH
- 3 BGS-RSCP Eligible Transmission Obligation  
4,888 MW
- 4 Change in Transmission Payment to RSCP Suppliers  
\$ 57,612,609 = Line 3 x \$12,288.59
- 5 Change to Supplier Payment Rates \$/MWH (rounded to 2 decimals)  
\$ 3.42 = Line 4 / Line 2

**Proof of Transmission Revenue Requirement**

	2018 kWh (A)	Current Transmission Rate (B)	Current Transmission Revenue (C) = (A) * (B)	Proposed OL/SL 50% Revenue Decrease (D)	Proposed Transmission Revenue (E)	Proposed Transmission Rate (F) = (E)/(A)	Proof (G) = (A) * (F)	Rounding (H) = (G) - (E)	Per kWh (I) = (H) / (A)
RT/RGT (WH)	241,079,999	\$0.003842	\$926,229		\$1,648,908.11	\$0.006840	\$1,648,987		
RS	9,058,707,678	\$0.004627	\$41,914,640		\$74,618,009.07	\$0.008237	\$74,616,575		
GS	6,664,482,240	\$0.004615	\$30,756,586		\$54,754,022.83	\$0.008216	\$54,755,386		
GST	608,357,501	\$0.003690	\$2,244,839		\$3,996,346.58	\$0.006569	\$3,996,300		
	16,572,627,418		\$75,842,295		\$135,017,287		\$135,017,249		
OL/SL	113,545,159	\$0.003508	\$398,316	-\$199,158	\$199,158	\$0.001754	\$199,158		
<b>Secondary</b>	16,686,172,577				<b>\$135,216,445</b>		<b>\$135,216,407</b>	<b>-\$38</b>	<b>\$0.0000000</b>
<b>Primary</b>	1,730,276,418				<b>\$9,549,107</b>	<b>\$0.005519</b>	<b>\$9,549,396</b>	<b>\$289</b>	<b>\$0.0000002</b>
<b>Transmission</b>	1,923,025,712				<b>\$8,466,783</b>	<b>\$0.004403</b>	<b>\$8,467,082</b>	<b>\$299</b>	<b>\$0.0000002</b>
<b>Total</b>	20,339,474,707				<b>\$153,232,334</b>		<b>\$153,232,885</b>	<b>\$550</b>	<b>\$0.0000000</b>

## **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**

**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 kilowatthour:**

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>	
	Charges		Charges	
		<u>Including SUT</u>		<u>Including SUT</u>
RS – first 600 kWh	\$0.114753	\$0.122642	\$0.114807	\$0.122700
RS – in excess of 600 kWh	0.114753	0.122642	0.123925	0.132445
RHS – first 600 kWh	0.092789	0.099168	0.087893	0.093936
RHS – in excess of 600 kWh	0.092789	0.099168	0.100085	0.106966
RLM On-Peak	0.195788	0.209248	0.207226	0.221473
RLM Off-Peak	0.054772	0.058538	0.051008	0.054515
WH	0.054424	0.058166	0.051835	0.055399
WHS	0.054891	0.058665	0.051426	0.054962
HS	0.092772	0.099150	0.093651	0.100090
BPL	0.051712	0.055267	0.046936	0.050163
BPL-POF	0.051712	0.055267	0.046936	0.050163
PSAL	0.051712	0.055267	0.046936	0.050163

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.

Date of Issue:

Issued by SCOTT S. JENNINGS, Vice President Finance – PSE&G  
80 Park Plaza, Newark, New Jersey 07102  
Filed pursuant to Order of Board of Public Utilities dated  
in Docket No.

Effective:

**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 .....\$ 5.7899

Charge including New Jersey Sales and Use Tax (SUT) .....\$ 6.1880

Charge applicable in the months of October through May .....\$ 5.7899

Charge including New Jersey Sales and Use Tax (SUT) .....\$ 6.1880

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 .....\$ 92,569.05 per MW per year

PJM Reallocation .....\$ 0.00 per MW per year

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 .....\$ 102.26 per MW per month

Virginia Electric and Power Company .....\$ 84.08 per MW per month

Potomac-Appalachian Transmission Highline L.L.C. ....\$ 11.32 per MW per month

PPL Electric Utilities Corporation .....\$ 52.22 per MW per month

American Electric Power Service Corporation .....\$ 28.18 per MW per month

Atlantic City Electric Company .....\$ 11.09 per MW per month

Delmarva Power and Light Company .....\$ 0.33 per MW per month

Potomac Electric Power Company .....\$ 3.24 per MW per month

Baltimore Gas and Electric Company .....\$ 6.91 per MW per month

Jersey Central Power and Light .....\$ 74.21 per MW per month

Above rates converted to a charge per kW of Transmission

Obligation, applicable in all months .....\$ 8.0879

Charge including New Jersey Sales and Use Tax (SUT) .....\$ 8.6439

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).

Date of Issue:

Issued by SCOTT S. JENNINGS, Vice President Finance – PSE&G  
80 Park Plaza, Newark, New Jersey 07102  
Filed pursuant to Order of Board of Public Utilities dated  
in Docket No.

Effective:

**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 .....	\$ 92,569.05 per MW per year
PJM Reallocation .....	\$ 0.00 per MW per year
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 .....	\$102.26 per MW per month
Virginia Electric and Power Company .....	\$ 84.08 per MW per month
Potomac-Appalachian Transmission Highline L.L.C. ....	\$ 11.32 per MW per month
PPL Electric Utilities Corporation .....	\$ 52.22 per MW per month
American Electric Power Service Corporation .....	\$ 28.18 per MW per month
Atlantic City Electric Company .....	\$ 11.09 per MW per month
Delmarva Power and Light Company .....	\$ 0.33 per MW per month
Potomac Electric Power Company .....	\$ 3.24 per MW per month
Baltimore Gas and Electric Company .....	\$ 6.91 per MW per month
Jersey Central Power and Light .....	\$ 74.21 per MW per month

Above rates converted to a charge per kW of Transmission

Obligation, applicable in all months .....	\$ 8.0879
Charge including New Jersey Sales and Use Tax (SUT) .....	\$ 8.6439

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.

Date of Issue:

Issued by SCOTT S. JENNINGS, Vice President Finance – PSE&G  
80 Park Plaza, Newark, New Jersey 07102  
Filed pursuant to Order of Board of Public Utilities dated  
in Docket No.

Effective:

## **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 2018 - December 2018**  
**Calculation of costs and monthly PJM charges for JCP&L**

TEC Charges for Jan 2018 - Dec 2018		\$	8,519,483.73							
PSE&G Zonal Transmission Load for Effective Yr.		(MW)	9,566.90							
Term (Months)			12							
OATT rate		\$	74.21 /MW/month							
Resulting Increase in Transmission Rate		\$	890.52 /MW/yr							
				all values show w/o NJ SUT						
		RS	RHS	RLM	WH	WHS	HS	PSAL	BPL	
Trans Obl - MW		3,892.6	25.5	73.1	0.0	0.0	2.8	0.0	0.0	
Total Annual Energy - MWh		12,201,595.6	133,055.9	218,245.6	1,283.0	27.0	15,196.6	158,968.0	296,268.0	
Change in energy charge										
in \$/MWh	\$	0.2841	\$ 0.1707	\$ 0.2983	\$ -	\$ -	\$ 0.1641	\$ -	\$ -	
in \$/MWh - rounded to 6 places	\$	<b>0.000284</b>	<b>\$ 0.000171</b>	<b>\$ 0.000298</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 0.000164</b>	<b>\$ -</b>	<b>\$ -</b>	
1	Total BGS-RSCP Trans Obl	6,656.8 MW								
2	Total BGS-RSCP energy @ cust	23,949,599 MWh								
3	Total BGS-RSCP energy @ trans nodes	25,728,145 MWh								
4	Change in OATT rate * total Trans Obl	5,929,795								
5	Change in Average Supplier Payment Rate	0.2305 /MWh								
6	Change in Average Supplier Payment Rate	0.23 /MWh								
7	Proposed Total Supplier Payment	\$ 5,917,473								
8	Difference due to rounding	(12,321)								

= sum of BGS-RSCP eligible Trans Obl adjusted for migration  
= sum of BGS-RSCP eligible kWh @ cust adjusted for migration  
= (2) \* loss expansion factor to trans node  
= Change in OATT rate \* Total BGS-RSCP eligible Trans Obl  
= (4) / (3)  
= (5) rounded to 2 decimal places  
= (6) \* (3)  
= (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	0.000421	0.000332	0.000349	0.000233	0.000196	0.000150	-	0.000140
TrAILCo	0.000588	0.000492	0.000531	0.000325	0.000261	0.000250	-	0.000206
PSE&G	0.000633	0.000499	0.000524	0.000349	0.000294	0.000226	-	0.000211
PATH	0.000056	0.000044	0.000046	0.000031	0.000026	0.000020	-	0.000018
PPL	0.000238	0.000199	0.000215	0.000131	0.000105	0.000102	-	0.000083
Pepco	0.000021	0.000018	0.000019	0.000012	0.000010	0.000010	-	0.000007
JCP&L	0.000003	0.000003	0.000002	0.000002	0.000002	0.000001	-	0.000001
Delmarva	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001	-	0.000001
BG&E	0.000073	0.000061	0.000066	0.000041	0.000032	0.000031	-	0.000026
AEP - East	0.000116	0.000092	0.000096	0.000064	0.000053	0.000042	-	0.000038
Total	0.002150	0.001741	0.001849	0.001189	0.000980	0.000833	-	0.000731

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

**Attachment 4b**

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

**Atlantic City Electric Company**

Proposed JCP&L Projects Transmission Enhancement Charge (PATH-TEC Surcharge) effective January 1, 2018  
To reflect FERC-approved ACE Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective January 1, 2018

Transmission Enhancement Costs Allocated to ACE Zone (2018)

\$	1,936
\$	1,936

2018 ACE Zone Transmission Peak Load (MW)

2,541

Transmission Enhancement Rate (\$/MW)

\$	0.76
----	------

Rate Class	Col. 1 Transmission Obligation (MW)	Col. 2 Allocated Cost Recovery	Col. 3 BGS Eligible Sales Jan 2017 - Dec 2017 (kWh)	Col. 4 = Col. 2/Col. 3 Transmission Enhancement Charge (\$/kWh)	Col. 5 = Col. 4 x 1/(1-.005) Transmission Enhancement Charge w/ BPU Assessment (\$/kWh)	Col. 6 = Col. 5 x 1.06625 Transmission Enhancement Charge w/ SUT (\$/kWh)
RS	1,545	\$ 14,134	4,171,964,933	\$ 0.000003	\$ 0.000003	\$ 0.000003
MGS Secondary	353	\$ 3,229	1,152,950,482	\$ 0.000003	\$ 0.000003	\$ 0.000003
MGS Primary	6	\$ 56	24,456,016	\$ 0.000002	\$ 0.000002	\$ 0.000002
AGS Secondary	394	\$ 3,599	1,917,585,029	\$ 0.000002	\$ 0.000002	\$ 0.000002
AGS Primary	94	\$ 861	571,955,641	\$ 0.000002	\$ 0.000002	\$ 0.000002
TGS	146	\$ 1,336	920,786,585	\$ 0.000001	\$ 0.000001	\$ 0.000001
SPL/CSL	-	\$ -	73,240,385	\$ -	\$ -	\$ -
DDC	2	\$ 14	12,621,752	\$ 0.000001	\$ 0.000001	\$ 0.000001
	2,540	\$ 23,230	8,845,560,805			

## **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**



**Rockland Electric Company**

Calculation of Transmission Surcharges reflecting proposed changes effective January 1, 2018

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)  
 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)  
 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)  
 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)  
 FERC-approved MAIT Project Schedule 12 Charges (Schedule 12 PJM OATT)  
 FERC-approved JCP&L Project Schedule 12 Charges (Schedule 12 PJM OATT)

**(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)	\$0.00001	\$0.00001	\$0.00001	\$0.00001	\$0.00001	\$0.00001	\$0.00001	\$0.00001
ACE - TEC	(2)	0.00004	0.00002	0.00002	0.00002	0.00000	0.00002	0.00000	0.00001
AEP-East - TEC	(3)	0.00012	0.00008	0.00007	0.00008	0.00000	0.00008	0.00000	0.00005
BG&E - TEC	(4)	0.00003	0.00002	0.00001	0.00002	0.00000	0.00002	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)	(0.00004)	(0.00003)	(0.00002)	(0.00003)	0.00000	(0.00003)	0.00000	(0.00002)
PEPCO - TEC	(7)	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000
PPL - TEC	(8)	0.00021	0.00013	0.00010	0.00013	0.00000	0.00014	0.00000	0.00008
PSE&G - TEC	(9)	0.00774	0.00481	0.00435	0.00469	0.00000	0.00516	0.00000	0.00314
TrailCo - TEC	(10)	0.00041	0.00025	0.00020	0.00026	0.00000	0.00027	0.00000	0.00016
VEPCo - TEC	(11)	0.00035	0.00022	0.00020	0.00021	0.00000	0.00023	0.00000	0.00014
MAIT - TEC	(12)	0.00002	0.00001	0.00001	0.00001	0.00000	0.00001	0.00000	0.00001
JCP&L - TEC	(13)	0.00030	0.00019	0.00017	0.00019	0.00000	0.00020	0.00000	0.00012
Total (\$/kWh and excl SUT)		\$0.00920	\$0.00572	\$0.00512	\$0.00559	\$0.00001	\$0.00612	\$0.00001	\$0.00371
Total (¢/kWh and excl SUT)		0.920 ¢	0.572 ¢	0.512 ¢	0.559 ¢	0.001 ¢	0.612 ¢	0.001 ¢	0.371 ¢

**(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)	\$0.00001	\$0.00001	\$0.00001	\$0.00001	\$0.00001	\$0.00001	\$0.00001	\$0.00001
ACE - TEC	(2)	0.00004	0.00002	0.00002	0.00002	0.00000	0.00002	0.00000	0.00001
AEP-East - TEC	(3)	0.00013	0.00009	0.00007	0.00009	0.00000	0.00009	0.00000	0.00005
BG&E - TEC	(4)	0.00003	0.00002	0.00001	0.00002	0.00000	0.00002	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)	(0.00004)	(0.00003)	(0.00002)	(0.00003)	0.00000	(0.00003)	0.00000	(0.00002)
PEPCO - TEC	(7)	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000
PPL - TEC	(8)	0.00022	0.00014	0.00011	0.00014	0.00000	0.00015	0.00000	0.00009
PSE&G - TEC	(9)	0.00825	0.00513	0.00464	0.00500	0.00000	0.00550	0.00000	0.00335
TrailCo - TEC	(10)	0.00044	0.00027	0.00021	0.00028	0.00000	0.00029	0.00000	0.00017
VEPCo - TEC	(11)	0.00037	0.00023	0.00021	0.00022	0.00000	0.00025	0.00000	0.00015
MAIT - TEC	(12)	0.00002	0.00001	0.00001	0.00001	0.00000	0.00001	0.00000	0.00001
JCP&L - TEC	(13)	0.00032	0.00020	0.00018	0.00020	0.00000	0.00021	0.00000	0.00013
Total (\$/kWh and incl SUT)		\$0.00980	\$0.00610	\$0.00545	\$0.00596	\$0.00001	\$0.00653	\$0.00001	\$0.00396
Total (¢/kWh and incl SUT)		0.980 ¢	0.610 ¢	0.545 ¢	0.596 ¢	0.001 ¢	0.653 ¢	0.001 ¢	0.396 ¢

**Notes:**

- (1) RMR rates based on allocations by transmission zone.
- (2) ACE-TEC rates pursuant to the Board's Order dated August 23, 2017 in Docket No. ER17060671.
- (3) AEP-East-TEC rates calculated in Attachment 5 filed separately.
- (4) BG&E-TEC rates pursuant to the Board's Order dated August 23, 2017 in Docket No. ER17060671.
- (5) Delmarva-TEC rates pursuant to the Board's Order dated August 23, 2017 in Docket No. ER17060671.
- (6) PATH-TEC rates calculated in Attachment 5 filed separately.
- (7) PEPCO-TEC rates pursuant to the Board's Order dated August 23, 2017 in Docket No. ER17060671.
- (8) PPL-TEC rates pursuant to the Board's Order dated August 23, 2017 in Docket No. ER17060671.
- (9) PSE&G-TEC rates calculated in Attachment 5 filed separately.
- (10) TrailCo-TEC rates pursuant to the Board's Order dated August 23, 2017 in Docket No. ER17060671.
- (11) VEPCo-TEC rates calculated in Attachment 5 filed separately.
- (12) MAIT-TEC rates calculated in Attachment 5 filed separately.
- (13) JCP&L-TEC rates calculated in Attachment 5 of the joint filing.

**SERVICE CLASSIFICATION NO. 1  
RESIDENTIAL 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>
First 250 kWh ..... @	1.208 ¢ per kWh	1.208 ¢ per kWh
Over 250 kWh ..... @	1.208 ¢ per kWh	1.208 ¢ 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 and Transmission Enhancement Charges.

All kWh	0.980 ¢ per kWh	0.980 ¢ per kWh
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(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges as described in General Information Section Nos. 33, 34, and 35, respectively, shall be assessed on all kWh delivered hereunder.

\* Definition of Summer Billing Months - June through September

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Timothy Cawley, President  
Mahwah, New Jersey 07430

**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 and Transmission Enhancement Charges.

	<u>Summer Months*</u>	<u>Other Months</u>
<u>Secondary Voltage Service Only</u>		
All kWh .....@	0.610 ¢ per kWh	0.610 ¢ per kWh
<u>Primary Voltage Service Only</u>		
All kWh .....@	0.545 ¢ per kWh	0.545 ¢ per kWh

(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Surcharges

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges as described in General Information Section Nos. 33, 34, and 35, respectively, shall be assessed on all kWh delivered hereunder.

\* Definition of Summer Billing Months - June through September

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Timothy Cawley, President  
Mahwah, New Jersey 07430

**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.

	<u>Summer Months*</u>	<u>Other Months</u>
<u>Peak</u> All kWh measured between 10:00 a.m. and 10:00 p.m., Monday through Friday .....@	0.810 ¢ per kWh	0.810 ¢ per kWh
<u>Off-Peak</u> All other kWh .....@	0.810 ¢ per kWh	0.810 ¢ 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 and Transmission Enhancement Charges.

All kWh	.....@	0.596 ¢ per kWh	0.596 ¢ per kWh
---------	--------	-----------------	-----------------

(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges, as described in General Information Section Nos. 33, 34, and 35, respectively, shall be assessed on all kWh delivered hereunder.

\* Definition of Summer Billing Months - June through September

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Timothy Cawley, President  
Mahwah, New Jersey 07430

SERVICE CLASSIFICATION NO. 4  
PUBLIC STREET LIGHTING SERVICE (Continued)

RATE – MONTHLY (Continued)

(1) Luminaire Charges (Continued)

<u>Nominal Lumens</u>	<u>Luminaire Type</u>	<u>Watts</u>	<u>Total Wattage</u>	<u>Distribution Charge</u>	<u>Transmission Charge</u>
<u>Post Top Luminaires</u>					
16,000	Sodium Vapor-Offset	150	199	\$23.00	\$0.48
<u>Off-Roadway Luminaires</u>					
27,500	Sodium Vapor	250	311	\$ 19.19	\$ 0.75
46,000	Sodium Vapor	400	488	27.00	1.18
<u>Post-Top Luminaires</u>					
4,000	Mercury Vapor	100	130	\$ 11.75	\$ 0.31
7,900	Mercury Vapor	175	215	14.39	0.52
7,900	Merc. Vapor-Offset	175	215	16.90	0.52

The above Transmission Charges apply to all customers taking Basic Generation Service from the Company. Transmission charges are also applicable to customers located in the Company's Central and Western Divisions and obtaining Competitive Energy Supply. Transmission 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. A Transmission Surcharge, to recover Reliability Must Run Charges, of 0.001 ¢ per kWh will also apply to all customers taking Basic Generation Service from the Company.

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Timothy Cawley, President  
Mahwah, New Jersey 07430

**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>
First 250 kWh ... @	0.793 ¢ per kWh	0.793 ¢ per kWh
Next 450 kWh ... @	0.793 ¢ per kWh	0.793 ¢ per kWh
Over 700 kWh ... @	0.793 ¢ per kWh	0.793 ¢ 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 and Transmission Enhancement Charges.

All kWh ... @	0.653 ¢ per kWh	0.653 ¢ per kWh
---------------	-----------------	-----------------

(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges as described in General Information Section Nos. 33, 34, and 35, respectively, shall be assessed on all kWh delivered hereunder.

\* Definition of Summer Billing Months - June through September

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Timothy Cawley, President  
Mahwah, New Jersey 07430

**SERVICE CLASSIFICATION NO. 6  
PRIVATE OVERHEAD LIGHTING SERVICE (Continued)**

**RATE – MONTHLY (Continued)**

(1) Distribution and Transmission Charges (Continued)

(b) Distribution and Transmission Charges for Service Type C

The above Transmission Charges apply to all customers taking Basic Generation Service from the Company. Transmission charges are also applicable to customers located in the Company's Central and Western Divisions and obtaining Competitive Energy Supply. Transmission 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. A Transmission Surcharge, to recover Reliability Must Run Charges, of 0.001 ¢ per kWh will also apply to all customers taking Basic Generation Service from the Company.

(2) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges as described in General Information Section Nos. 33, 34, and 35, respectively shall be assessed on all kWh delivered hereunder. For service type A, B, or C if not metered, the charges shall be applied to the kWh estimated as follows:

kWh = (Total Wattage divided by 1,000) times Monthly Burn Hours\*

\* See Monthly Burn Hours Table.

(Continued)

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ISSUED:

EFFECTIVE:

ISSUED BY: Timothy Cawley, President  
Mahwah, New Jersey 07430

**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 @	\$1.91 per kW	\$1.91 per kW
Period II	All kW @	0.50 per kW	0.50 per kW
Period III	All kW @	1.74 per kW	1.74 per kW
Period IV	All kW @	0.50 per kW	0.50 per kW

<u>Usage Charge</u>			
Period I	All kWh @	0.366 ¢ per kWh	0.366 ¢ per kWh
Period II	All kWh @	0.366 ¢ per kWh	0.366 ¢ per kWh
Period III	All kWh @	0.366 ¢ per kWh	0.366 ¢ per kWh
Period IV	All kWh @	0.366 ¢ per kWh	0.366 ¢ 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 and Transmission Enhancement Charges.

		<u>Primary</u>	<u>High Voltage Distribution</u>
All Periods	All kWh @	0.396 ¢ per kWh	0.396 ¢ per kWh

(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges as described in General Information Section Nos. 33, 34, and 35 respectively, shall be assessed on all kWh delivered hereunder.

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Timothy Cawley, President  
Mahwah, New Jersey 07430



**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 3.289 ¢ per kWh during the billing months of October through May and 5.316 ¢ per kWh during the summer billing months and a Transmission Charge of 0.551 ¢ per kWh and a Transmission Surcharge of 0.396 ¢ per kWh during all billing months.

When this option is requested it shall apply for at least 12 months and shall be subject to a minimum charge of \$26.93 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: Timothy Cawley, President  
Mahwah, New Jersey 07430

**Attachment 5b**

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

1	BGS-RSCP Eligible Sales Jan - Dec @ cust (RECO Eastern Division)		1,263,798	MWH
2	BGS-RSCP Eligible Sales Jan - Dec @ trans node (RECO Eastern Division)		1,176,362	MWH
3	BGS-RSCP Eligible Transmission Obligation		405	MW
4	Transmission Enhancement Costs to RSCP Suppliers	\$	324,594.19	= Line 3 x \$66.83 * 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 2018 - December 2018**  
**Calculation of Costs and Monthly PJM charges for JCP&L Projects**

Required Transmission Enhancement per PJM website	PJM Upgrade ID per PJM spreadsheet	Jan - Dec 2018 Annual Revenue Requirement per PJM website	Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
			ACE Zone Share	JCP&L Zone Share	PSE&G Zone Share1,2	RE Zone Share	ACE Zone Charges	JCP&L Zone Charges	PSE&G Zone Charges	RE Zone Charges	Total NJ Zones Charges
Upgrade the Portland - Greystone 230kV circuit	b0174	\$ 1,548,952	0.00%	35.40%	54.37%	2.94%	\$0	\$548,329	\$842,165	\$45,539	\$1,436,033
Reconductor the 8 mile Gilbert - Glen Gardner 230kV circuit	b0268	\$ 765,630	0.00%	61.77%	32.73%	1.45%	\$0	\$472,930	\$250,591	\$11,102	\$734,622
Add a 2nd Raritan River 230/115 kV transformer	b0726	\$ 948,485	2.45%	97.55%	0.00%	0.00%	\$23,238	\$925,247	\$0	\$0	\$948,485
Build a new 230kV circuit from Larabee to Oceanview	b2015	\$ 20,704,566	0.00%	35.83%	35.87%	1.43%	\$0	\$7,418,446	\$7,426,728	\$296,075	\$15,141,249
Replace wave traps at Raritan River and Deep Run 115 kV substations with higher rated equipment for both B2 and B3 circuits	b1374	\$ 1,635	0.00%	0.00%							
Totals		\$ 23,969,269					\$23,238	\$9,364,952	\$8,519,484	\$352,716	\$18,260,390

Notes on calculations >>>

$$= (a) * (b) = (a) * (c) = (a) * (d) = (a) * (e) = (f) + (g) +$$

(o)

(n)

(m)

(l)

(k)

Zonal Cost Allocation for New Jersey Zones	Average Monthly Impact on Zone Customers in 2018	2018 Trans. Peak Load <sup>2</sup>	Rate in \$/MW-mo. <sup>1</sup>	2018 Impact (12 months)
PSE&G	\$ 709,957	9,566.9	\$ 74.21	\$ 8,519,484
JCP&L	\$ 780,413	5,721.0	\$ 136.41	\$ 9,364,952
ACE	\$ 1,936	2,540.8	\$ 0.76	\$ 23,238
RE	\$ 29,393	401.7	\$ 73.17	\$ 352,716
<b>Total Impact on NJ Zones</b>	<b>\$ 1,521,699</b>	<b>18,230.4</b>		<b>\$ 18,260,390</b>

Notes on calculations >>>

Notes:

1) Uncompressed rate - assumes implementation on January 1, 2018

2) Data on PJM website

$$= (k) / (l)$$

$$= (k) * 12$$

## **Attachment 7 – Cost Allocations**

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

## SCHEDULE 12 – APPENDIX

### (4) Jersey Central Power & Light Company

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0123 Add 180 MVAR of distributed capacitors. 65 MVAR in northern JCPL and 115 MVAR in southern JCPL		JCPL (100%)
b0124.1 Add a 72 MVAR capacitor at Kittatinny 230 kV		JCPL (100%)
b0124.2 Add a 130 MVAR capacitor at Manitou 230 kV		JCPL (100%)
b0132 Reconnector Portland – Kittatinny 230 kV with 1590 ACSS		JCPL (100%)
b0132.1 Replace terminal equipment on the Portland – Kittatinny 230 kV and CB at the Kittatinny bus		JCPL (100%)
b0132.2 Replace terminal equipment on the Portland – Kittatinny 230 kV and CB at the Portland bus		JCPL (100%)
b0173 Replace a line trap at Newton 230kV substation for the Kittatinny-Newton 230kV circuit		JCPL (100%)
b0174 Upgrade the Portland – Greystone 230kV circuit		JCPL (35.40%) / Neptune* (5.67%) / PSEG (54.37%) RE (2.94%) / ECP** (1.62%)
b0199 Greystone 230kV substation: Change Tap of limiting CT and replace breaker on the Greystone Whippany (Q1031) 230kV line		JCPL (100%)
b0200 Greystone 230kV substation: Change Tap of limiting CT on the West Wharton Greystone (E1045) 230kV line		JCPL (100%)

\* Neptune Regional Transmission System, LLC

\*\* East Coast Power, L.L.C.

**Jersey Central Power & Light Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0202	Kittatinny 230kV substation: Replace line trap on Kittatinny Pohatcong (L2012) 230kV line; Pohatcong 230kV substation: Change Tap of limiting CT on Kittatinny Pohatcong (L2012) 230kV line	JCPL (100%)
b0203	Smithburg 230kV Substation: Replace line trap on the East Windsor Smithburg (E2005) 230kV line; East Windsor 230kV substation: Replace line trap on the East Windsor Smithburg (E2005) 230kV line	JCPL (100%)
b0204	Install 72Mvar capacitor at Cookstown 230kV substation	JCPL (100%)
b0267	Reconductor JCPL 2 mile portion of Kittatinny – Newton 230 kV line	JCPL (100%)
b0268	Reconductor the 8 mile Gilbert – Glen Gardner 230 kV circuit	JCPL (61.77%) / Neptune* (3%) / PSEG (32.73%) / RE (1.45%) / ECP** (1.05%)

\* Neptune Regional Transmission System, LLC

\*\* East Coast Power, L.L.C.



**Jersey Central Power & Light Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0279.1	Install 100 MVAR capacitor at Glen Gardner substation	JCPL (100%)
b0279.2	Install MVAR capacitor at Kittatinny 230 kV substation	JCPL (100%)
b0279.3	Install 17.6 MVAR capacitor at Freneau 34.5 kV substation	JCPL (100%)
b0279.4	Install 6.6 MVAR capacitor at Waretown #1 bank 34.5 kV substation	JCPL (100%)
b0279.5	Install 10.8 MVAR capacitor at Spottswood #2 bank .4.5 kV substation	JCPL (100%)
b0279.6	Install 6.6 MVAR capacitor at Pequannock N bus 34.5 kV substation	JCPL (100%)
b0279.7	Install 6.6 MVAR capacitor at Haskell P bus 34.5 kV substation	JCPL (100%)
b0279.8	Install 6.6 MVAR capacitor at Pinewald #2 Bank 34.5 kV substation	JCPL (100%)
b0279.9	Install 6.6 MVAR capacitor at Matrix 34.5 kV substation	JCPL (100%)
b0279.10	Install 6.6 MVAR capacitor at Hamburg Boro Q Bus 34.5 kV substation	JCPL (100%)
b0279.11	Install 6.6 MVAR capacitor at Newburg Q Bus 34.5 kV substation	JCPL (100%)
b0286	Install 130 MVAR capacitor at Whippany 230 kV	JCPL (100%)
b0289	Install 600 MVAR Dynamic Reactive Device in the Whippany 230 kV vicinity	AEC (0.65%) / JCPL (30.37%) / Neptune* (4.96%) / PSEG (59.65%) / RE (2.66%) / ECP** (1.71%)
b0289.1	Install additional 130 MVAR capacitor at West Wharton 230 kV substation	JCPL (100%)

\* Neptune Regional Transmission System, LLC

\*\* East Coast Power, L.L.C.

**Jersey Central Power & Light Company (cont.)**

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0292	Replace a 1600A line trap at Atlantic Larrabee 230 kV substation		JCPL (100%)
b0350	Implement Operating Procedure of closing the Glendon – Gilbert 115 kV circuit		JCPL (100%)
b0356	Replace wave trap on the Portland – Greystone 230 kV		JCPL (100%)
b0361	Change tap of limiting CT at Morristown 230 kV		JCPL (100%)
b0362	Change tap setting of limiting CT at Pohatcong 230 kV		JCPL (100%)
b0363	Change tap setting of limiting CT at Windsor 230 kV		JCPL (100%)
b0364	Change tap setting of CT at Cookstown 230 kV		JCPL (100%)
b0423.1	Upgrade terminal equipment at Readington (substation conductor)		JCPL (100%)
b0520	Replace Gilbert circuit breaker 12A		JCPL (100%)
b0657	Construct Boston Road 34.5 kV stations, construct Hyson 34.5 stations, add a 7.2 MVAR capacitor at Boston Road 34.5 kV		JCPL (100%)
b0726	Add a 2 <sup>nd</sup> Raritan River 230/115 kV transformer		AEC (2.45%) / JCPL (97.55%)
b1020	Replace wave trap at Englishtown on the Englishtown - Manalapan circuit		JCPL (100%)

**Jersey Central Power & Light Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1075 Replace the West Wharton - Franklin - Vermont D931 and J932 115 kV line conductors with 1590 45/7 ACSR wire between the tower structures 78 and 78-B		JCPL (100%)
b1154.1 Upgrade the Whippany 230 kV breaker 'JB'		JCPL (100%)
b1155.1 Upgrade the Red Oak 230 kV breaker 'G1047'		JCPL (100%)
b1155.2 Upgrade the Red Oak 230 kV breaker 'T1034'		JCPL (100%)
b1345 Install Martinsville 4-breaker 34.5 rink bus		JCPL (100%)
b1346 Reconductor the Franklin – Humburg (R746) 4.7 miles 34.5 kV line with 556 ACSR and build 2.7 miles 55 ACSR line extension to Sussex		JCPL (100%)
b1347 Replace 500 CU substation conductor with 795 ACSR on the Whitesville – Asbury Tap 34.5 kV (U47) line		JCPL (100%)
b1348 Upgrade the Newton – North Newton 34.5 kV (F708) line by adding a second underground 1250 CU egress cable		JCPL (100%)
b1349 Reconductor 5.2 miles of the Newton – Woodruffs Gap 34.5 kV (A703) line with 556 ACSR		JCPL (100%)
b1350 Upgrade the East Flemington – Flemington 34.5 kV (V724) line by adding second underground 1000 AL egress cable and replacing 4/0		JCPL (100%)

**Jersey Central Power & Light Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1351	Add 34.5 kV breaker on the Larrabee A and D bus tie	JCPL (100%)
b1352	Upgrade the Smithburg – Centerstate Tap 34.5 kV (X752) line by adding second 200 ft underground 1250 CU egress cable	JCPL (100%)
b1353	Upgrade the Larrabee – Laurelton 34.5 kV (Q43) line by adding second 700 ft underground 1250 CU egress cable	JCPL (100%)

**Jersey Central Power & Light Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1354 Add four 34.5 kV breakers and re-configure A/B bus at Rockaway		JCPL (100%)
b1355 Build a new section 3.3 miles 34.5 kV 556 ACSR line from Riverdale to Butler		JCPL (100%)
b1357 Build 10.2 miles new 34.5 kV line from Larrabee – Howell		JCPL (100%)
b1359 Install a Troy Hills 34.5 kV by-pass switch and reconfigure the Montville – Whippany 34.5 kV (D4) line		JCPL (100%)
b1360 Reconnector 0.7 miles of the Englishtown – Freehold Tap 34.5 kV (L12) line with 556 ACSR		JCPL (100%)
b1361 Reconnector the Oceanview – Neptune Tap 34.5 kV (D130) line with 795 ACSR		JCPL (100%)
b1362 Install a 23.8 MVAR capacitor at Wood Street 69 kV		JCPL (100%)
b1364 Upgrade South Lebanon 230/69 kV transformer #1 by replacing 69 kV substation conductor with 1590 ACSR		JCPL (100%)
b1399.1 Upgrade the Whippany 230 kV breaker ‘QJ’		JCPL (100%)
b1673 Rocktown - Install a 230/34.5 kV transformer by looping the Pleasant Valley - E Flemington 230 kV Q-2243 line (0.4 miles) through the Rocktown Substation		JCPL (100%)

**Jersey Central Power & Light Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1674 Build a new Englishtown - Wyckoff St 15 mile, 115 kV line and install 115/34.5 kV transformer at Wyckoff St		JCPL (100%)
b1689 Atlantic Sub - 230 kV ring bus reconfiguration. Put a “source” between the Red Bank and Oceanview “loads”		JCPL (100%)
b1690 Build a new third 230 kV line into the Red Bank 230 kV substation		JCPL (100%)
b1853 Install new 135 MVA 230/34.5 kV transformer with one 230 kV CB at Eaton Crest and create a new 34.5 kV CB straight bus to feed new radial lines to Locust Groove and Interdata/Woodbine		JCPL (100%)
b1854 Readington I737 34.5 kV Line - Parallel existing 1250 CU UG cable (440 feet)		JCPL (100%)
b1855 Oceanview Substation - Relocate the H216 breaker from the A bus to the B bus		JCPL (100%)
b1856 Madison Tp to Madison (N14) line - Upgrade limiting 250 Cu substation conductor with 795 ACSR at Madison sub		JCPL (100%)
b1857 Montville substation - Replace both the 397 ACSR and the 500 Cu substation conductor with 795 ACSR on the 34.5 kV (M117 ) line		JCPL (100%)

**Jersey Central Power & Light Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1858 Reconnector the Newton - Mohawk (Z702) 34.5 kV line with 1.9 miles of 397 ACSR		JCPL (100%)
b2003 Construct a Whippany to Montville 230 kV line (6.4 miles)		JCPL (100%)
b2015 Build a new 230 kV circuit from Larrabee to Oceanview		JCPL (35.83%) / NEPTUNE* (23.61%) / HTP (1.77%) / ECP** (1.49%) / PSEG (35.87%) / RE (1.43%)
b2147 At Deep Run, install 115 kV line breakers on the B2 and C3 115 kV lines		JCPL (100%)

\* Neptune Regional Transmission System, LLC

\*\* East Coast Power, L.L.C.

**Attachment 8**  
**JCP&L Formula Rate Update**



Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2018

Line No.	(1)	(2)	Jersey Central Power & Light (3)	(4)	(5) Allocated Amount
1	GROSS REVENUE REQUIREMENT [page 3, line 43, col 5]				\$ 172,437,936
	REVENUE CREDITS	(Note T)	Total	Allocator	
2	Account No. 451	(page 4, line 29)	-	TP 1.00000	-
3	Account No. 454	(page 4, line 30)	-	TP 1.00000	-
4	Account No. 456	(page 4, line 31)	1,074,828	TP 1.00000	1,074,828
5	Revenues from Grandfathered Interzonal Transactions		-	TP 1.00000	-
6	Revenues from service provided by the ISO at a discount		-	TP 1.00000	-
7	TEC Revenue	Attachment 11, Page 2, Line 3, Col. 12	23,969,269	TP 1.00000	23,969,269
8	TOTAL REVENUE CREDITS (sum lines 2-7)		25,044,097		25,044,097
9	True-up Adjustment with Interest	Attachment 13, Line 28			-
10	NET REVENUE REQUIREMENT	(Line 1 - Line 8 + Line 9)			\$ 147,393,839
	DIVISOR				Total
11	1 Coincident Peak (CP) (MW)			(Note A)	5,721.0
12	Average 12 CPs (MW)			(Note CC)	4,146.3
13	Annual Rate (\$/MW/Yr)	(line 10 / line 11)	Total 25,763.74		
			Peak Rate		Off-Peak Rate
			Total		Total
14	Point-to-Point Rate (\$/MWh/Year)	(line 10 / line 12)	35,547.92		35,547.92
15	Point-to-Point Rate (\$/MWh/Month)	(line 14/12)	2,962.33		2,962.33
16	Point-to-Point Rate (\$/MWh/Week)	(line 14/52)	683.61		683.61
17	Point-to-Point Rate (\$/MWh/Day)	(line 16/5; line 16/7)	136.72		97.66
18	Point-to-Point Rate (\$/MWh)	(line 14/4,160; line 14/8,760)	8.55		4.06

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2018

(1)		(2)	Jersey Central Power & Light		(4)	(5)
Line No.		Source	Company Total	Allocator	Transmission (Col 3 times Col 4)	
RATE BASE:						
GROSS PLANT IN SERVICE						
1	Production	Attachment 3, Line 14, Col. 1 (Notes U & X)	44,024,315	NA		
2	Transmission	Attachment 3, Line 14, Col. 2 (Notes U & X)	1,534,222,936	TP	1.00000	1,534,222,936
3	Distribution	Attachment 3, Line 14, Col. 3 (Notes U & X)	4,690,381,378	NA		
4	General & Intangible	Attachment 3, Line 14, Col. 4 & 5 (Notes U & X)	362,814,552	GP	0.24475	88,797,477
5	Common	Attachment 3, Line 14, Col. 6 (Notes U & X)		CE	0.08786	
6	TOTAL GROSS PLANT (sum lines 1-5)		6,631,443,182	GP=	24.475%	1,623,020,414
ACCUMULATED DEPRECIATION						
7	Production	Attachment 4, Line 14, Col. 1 (Notes U & X)	21,703,949	NA		
8	Transmission	Attachment 4, Line 14, Col. 2 (Notes U & X)	392,984,327	TP	1.00000	392,984,327
9	Distribution	Attachment 4, Line 14, Col. 3 (Notes U & X)	1,440,607,936	NA		
10	General & Intangible	Attachment 4, Line 14, Col. 4 & 5 (Notes U & X)	204,632,001	GP	0.24475	50,082,901
11	Common	Attachment 4, Line 14, Col. 6 (Notes U & X)		CE	0.08786	
12	TOTAL ACCUM. DEPRECIATION (sum lines 7-11)		2,059,928,213			443,067,228
NET PLANT IN SERVICE						
13	Production	(line 1 - line 7)	22,320,366			
14	Transmission	(line 2 - line 8)	1,141,238,609			1,141,238,609
15	Distribution	(line 3 - line 9)	3,249,773,442			
16	General & Intangible	(line 4 - line 10)	158,182,552			38,714,576
17	Common	(line 5 - line 11)	-			-
18	TOTAL NET PLANT (sum lines 13-17)		4,571,514,969	NP=	25.811%	1,179,953,185
ADJUSTMENTS TO RATE BASE						
19	Account No. 281 (enter negative)	Attachment 5, Line 3, Col. 1 (Notes C, F, Y)	-	NA		
20	Account No. 282 (enter negative)	Attachment 5, Line 3, Col. 2 (Note C, F, Y)	(368,221,901)	DA	1.00000	(368,221,901)
21	Account No. 283 (enter negative)	Attachment 5, Line 3, Col. 3 (Notes C, F, Y)	(8,982,241)	DA	1.00000	(8,982,241)
22	Account No. 190	Attachment 5, Line 3, Col. 4 (Notes C, F, Y)	11,032,002	DA	1.00000	11,032,002
23	Account No. 255 (enter negative)	Attachment 5, Line 3, Col. 5 (Notes C, F, Y)	(1,851,748)	DA	1.00000	(1,851,748)
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 Regulatory Asset	Attachment 16a, 16b, 16c, Line 15, Col. 7 (Note X)	20,806,520	DA	1.00000	20,806,520
28	Unamortized Abandoned Plant	Attachment 17, Line 15, Col. 7 (Notes X & BB)	-	DA	1.00000	-
29	TOTAL ADJUSTMENTS (sum lines 19-28)		(347,217,368)			(347,217,368)
30	LAND HELD FOR FUTURE USE	214.x.d (Attachment 14, Line 3, Col. 1) (Notes G & Y)	-	TP	1.00000	-
WORKING CAPITAL (Note H)						
31	CWC	1/8*(Page 3, Line 15 minus Page 3, Lines 11 & 12)	14,103,574			3,721,817
32	Materials & Supplies (Note G)	227.8.c & .16.c (Attachment 14, Line 3, Col. 2) (Note Y)	-	TE	0.94274	-
33	Prepayments (Account 165)	111.57.c (Attachment 14, Line 3, Col. 3) (Notes B & Y)	2,065,755	GP	0.24475	505,586
34	TOTAL WORKING CAPITAL (sum lines 32 - 34)		16,169,329			4,227,403
36	RATE BASE (sum lines 18, 29, 30, & 35)		4,240,466,930			836,963,220

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2018

	(1)	(2)	(3)	(4)	(5)
Line No.		Source	Company Total	Allocator	Transmission (Col 3 times Col 4)
	O&M				
1	Transmission	321.112.b	23,510,047	TE	0.94274
2	Less LSE Expenses Included in Transmission O&M Accounts (Note W)		-	DA	1.00000
3	Less Account 565	321.96.b	-	DA	1.00000
4	Less Account 566	321.97.b	(7,765,816)	DA	1.00000
5	A&G	323.197.b	89,577,847	W/S	0.08786
6	Less FERC Annual Fees		-	W/S	0.08786
7	Less EPRI & Reg. Comm. Exp. & Non-safety Ad. (Note I)		-	W/S	0.08786
8	Plus Transmission Related Reg. Comm. Exp. (Note I)		-	TE	0.94274
9	PBOP Expense Adjustment in Year	Attachment 6, Line 9 (Note C)	(259,304)	DA	1.00000
10	Common	356.1	-	CE	0.08786
11	Account 407.3 Amortization of Regulatory Assets	Attachment 16a, 16b, 16c, Line 15, Col. 5	4,181,789	DA	1.00000
12	Account 566 Amortization of Regulatory Assets	321.97.b (notes)	-	DA	1.00000
13	Acct. 566 Miscellaneous Transmission Expense (less amortization of regulatory asset)	321.97.b - line 12	(7,765,816)	DA	1.00000
14	Total Account 566 (sum lines 12 & 13, ties to 321.97.b)		(7,765,816)		(7,765,816)
15	TOTAL O&M (sum lines 1, 5, 8, 9, 10, 11, 14 less 2, 3, 4, 6, 7)		117,010,379		33,956,327
DEPRECIATION AND AMORTIZATION EXPENSE					
16	Transmission	336.7.b (Note U)	32,835,643	TP	1.00000
17	General & Intangible	336.1.f & 336.10.f (Note U)	13,131,790	GP	0.24475
18	Common	336.11.b (Note U)	-	CE	0.08786
19	Amortization of Abandoned Plant	Attachment 17, Line 15, Col. 5 (Note BB)	-	DA	1.00000
20	TOTAL DEPRECIATION (sum lines 16 - 19)		45,967,433		36,049,598
TAXES OTHER THAN INCOME TAXES (Note J)					
LABOR RELATED					
21	Payroll	263.i (Attachment 7, line 12)	10,916,820	W/S	0.08786
22	Highway and vehicle	263.i (Attachment 7, line 2a)	6,112	W/S	0.08786
23	PLANT RELATED				537
24	Property	263.i (Attachment 7, line 3a)	6,164,926	GP	0.24475
25	Gross Receipts	263.i (Attachment 7, line 4a)	-	NA	-
26	Other	263.i (Attachment 7, line 5a)	3,024	GP	0.24475
27	Payments in lieu of taxes	Attachment 7, line 6a	-	GP	0.24475
28	TOTAL OTHER TAXES (sum lines 21 - 27)		17,090,882		2,469,217
INCOME TAXES (Note K)					
29	$T = 1 - [(1 - SIT) * (1 - FIT)] / [(1 - SIT * FIT) * p] =$		40.85%		
30	$CIT = (T / (1 - T)) * (1 - (WCLTD / R)) =$		44.08%		
where WCLTD = (page 4, line 22) and R = (page 4, line 25)					
and FIT, SIT & p are as given in footnote K.					
31	$1 / (1 - T) =$ (from line 29)		1.6906		
32	Amortized Investment Tax Credit (266.8.f) (enter negative)		(131,199)		
33	Tax Effect of Permanent Differences and AFUDC Equity (Attachment 15, Line 1, Col. 3) [Notes D & Y]		175,500		
34	(Excess)/Deficient Deferred Income Taxes (Attachment 15, Lines 2 & 3, Col. 3) [Notes E & Y]		-		
35	Income Tax Calculation = line 30 * line 40		154,587,811	NA	30,511,808
36	ITC adjustment (line 31 * line 32)		(221,807)	NP	0.25811
37	Permanent Differences and AFUDC Equity Tax Adjustment (line 31 * line 33)		296,703	DA	1.00000
38	(Excess)/Deficient Deferred Income Tax Adjustment (line 31 * line 34)		-	DA	1.00000
39	Total Income Taxes	sum lines 35 through 38	154,662,707		30,751,261
40	RETURN	[Rate Base (page 2, line 36) * Rate of Return (page 4, line 25, col. 6)]	350,659,634.51	NA	69,211,533
41	GROSS REV. REQUIREMENT (WITHOUT INCENTIVE)	(sum lines 15, 20, 28, 39, 40)	685,391,035		172,437,936
42	ADDITIONAL INCENTIVE REVENUE	Attachment 11, Line 4 (Note AA)	0		0
43	GROSS REV. REQUIREMENT	(line 41 + line 42)	685,391,035		172,437,936

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2018

Jersey Central Power &amp; Light

## SUPPORTING CALCULATIONS AND NOTES

Line No.	(1)	(2)	(3)	(4)	(5)	(6)
TRANSMISSION PLANT INCLUDED IN ISO RATES						
1	Total transmission plant (page 2, line 2, column 3)					1,334,222,936
2	Less transmission plant excluded from ISO rates (Note M)					-
3	Less transmission plant included in OATT Ancillary Services (Note N)					-
4	Transmission plant included in ISO rates (line 1 less lines 2 & 3)					1,334,222,936
5	Percentage of transmission plant included in ISO Rates (line 4 divided by line 1)				TP=	1.00000
TRANSMISSION EXPENSES						
6	Total transmission expenses (page 3, line 1, column 3)					23,510,047
7	Less transmission expenses included in OATT Ancillary Services (Note L)					1,346,075
8	Included transmission expenses (line 6 less line 7)					22,163,972
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)					0.94274
10	Percentage of transmission plant included in ISO Rates (line 5)				TP	1.00000
11	Percentage of transmission expenses included in ISO Rates (line 9 times line 10)				TE=	0.94274
WAGES & SALARY ALLOCATOR (W&S)						
	Form 1 Reference	\$	TP	Allocation		
12	Production 354.20.b	-	0.00	-		
13	Transmission 354.21.b	5,291,143	1.00	5,291,143		
14	Distribution 354.23.b	39,965,345	0.00	-		
15	Other 354.24,25,26.b	14,969,313	0.00	-		
16	Total (sum lines 12-15)	60,225,801		5,291,143	=	0.08786 = WS
COMMON PLANT ALLOCATOR (CE) (Note O)						
		\$		% Electric (line 17 / line 20)	W&S Allocator (line 16, col. 6)	CE
17	Electric 200.3.c	-		1.00000	0.08786	0.08786
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)					-
REVENUE CREDITS						
		\$	%	Cost (Note P)	Weighted	
22	Long Term Debt (112.24.c) (Attachment 8, Line 14, Col. 7) (Note X)	1,614,161,504	52%	0.0575	0.0299	=WCLTD
23	Preferred Stock (112.34) (Attachment 8, Line 14, Col. 2) (Note X)	-	0%	0.0000	0.0000	
24	Common Stock Attachment 8, Line 14, Col. 6) (Note X)	1,489,271,936	48%	0.1100	0.0528	
25	Total (sum lines 22-24)	3,103,433,440			0.0827	=R
ACCOUNT 447 (SALES FOR RESALE)						
26	a. Bundled Non-RQ Sales for Resale (311.x.h)	(310-311)	(Note Q)			
27	b. Bundled Sales for Resale included in Divisor on page 1					
28	Total of (a)-(b)					
29	ACCOUNT 451 (MISCELLANEOUS SERVICE REVENUE) (Note S)		(300.17.b)			
30	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note R)		(300.19.b)			
31	ACCOUNT 456 (OTHER ELECTRIC REVENUE) (Note V)		(330.x.n)			1,074,828

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2018

Jersey Central Power & 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. Amounts to be included will be January 1, 2017 and thereafter.
- 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 15, column 5 minus amortization of regulatory assets (page 3, lines 11 & 12, 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 930.1. 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 = "the 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 31).
- |        |       |   |
|--------|-------|---|
| Inputs | FIT = | 35.00%  |
|        | 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 it 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 NITS 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.

**Schedule 1A Rate Calculation**

1	\$ 1,346,075	Attachment H-4A, Page 4, Line 7
2	\$ 122,450	Revenue Credits for Sched 1A - Note A
3	\$ 1,223,624	Net Schedule 1A Expenses (Line 1 - Line 2)
4	22,210,205	Annual MWh in JCP&L Zone - Note B
5	\$ 0.0551	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.

# Incentive ROE Calculation

Attachment H-4A, Attachment 2  
page 1 of 1  
For the 12 months ended 12/31/2018

Return Calculation			
		Source Reference	
1	Rate Base	Attachment H-4A, page 2, Line 36, Col. 5	836,963,220
2	Preferred Dividends enter positive	Attachment H-4A, page 4, Line 21, Col. 6	0
	Common Stock		
3	Proprietary Capital	Attachment 8, Line 14, Col. 1	3,298,068,102
4	Less Preferred Stock	Attachment 8, Line 14, Col. 2	0
5	Less Accumulated Other Comprehensive Income Account 219	Attachment 8, Line 14, Col. 4	-2,097,811
6	Less Account 216.1 & Goodwill	Attachment 8, Line 14, Col. 3 & 5	1,810,893,977
7	Common Stock	Attachment 8, Line 14, Col. 6	1,489,271,936
	Capitalization		
8	Long Term Debt	Attachment H-4A, page 4, Line 22, Col. 3	1,614,161,504
9	Preferred Stock	Attachment H-4A, page 4, Line 23, Col. 3	0
10	Common Stock	Attachment H-4A, page 4, Line 24, Col. 3	1,489,271,936
11	Total Capitalization	Attachment H-4A, page 4, Line 25, Col. 3	3,103,433,440
12	Debt %	Total Long Term Debt	52.0121%
13	Preferred %	Preferred Stock	0.0000%
14	Common %	Common Stock	47.9879%
15	Debt Cost	Total Long Term Debt	0.0575
16	Preferred Cost	Preferred Stock	0.0000
17	Common Cost	Common Stock 11.00%	0.1100
18	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 12 * Line 15) 0.0299
19	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16) 0.0000
20	Weighted Cost of Common	Common Stock	(Line 14 * Line 17) 0.0528
21	Rate of Return on Rate Base ( ROR )	(Sum Lines 18 to 20)	0.0827
22	Investment Return = Rate Base * Rate of Return	(Line 1 * Line 21)	69,211,533
Income Taxes			
	Income Tax Rates		
23	$T = 1 - \{[(1 - \text{SIT}) * (1 - \text{FIT}) / (1 - \text{SIT} * \text{FIT} * p)]\}$	Attachment H-4A, page 3, Line 29, Col. 3	40.85%
24	$\text{CIT} = (T/1-T) * (1 - (\text{WCLTD}/R))$	Calculated	44.08%
25	$1 / (1 - T) =$ (from line 23)	Attachment H-4A, page 3, line 31, Col. 3	1.6906
26	Amortized Investment Tax Credit (268.8.f) (enter negative)	Attachment H-4A, page 3, Line 32, Col. 3	(131,198.84)
27	Tax Effect of Permanent Differences and AFUDC Equity	Attachment H-4A, page 3, Line 33, Col. 3	175,500.00
28	(Excess)/Deficient Deferred Income Taxes	Attachment H-4A, page 3, Line 34, Col. 3	-
29	Income Tax Calculation	(line 22 * line 24)	30,511,807.87
30	ITC adjustment	Attachment H-4A, page 3, Line 36, Col. 5	(57,250.58)
31	Permanent Differences and AFUDC Equity Tax Adjustment	Attachment H-4A, page 3, Line 37, Col. 5	296,703.30
32	(Excess)/Deficient Deferred Income Tax Adjustment	Attachment H-4A, page 3, Line 38, Col. 5	-
33	Total Income Taxes	Sum lines 29 to 32	30,751,260.59
Increased Return and Taxes			
34	Return and income taxes with increase in ROE	(Line 22 + Line 33)	99,962,793.62
35	Return without incentive adder	Attachment H-4A, Page 3, Line 40, Col. 5	69,211,533.02
36	Income Tax without incentive adder	Attachment H-4A, Page 3, Line 39, Col. 5	30,751,260.59
37	Return and income taxes without increase in ROE	Line 35 + Line 36	99,962,793.62
38	Return and income taxes with increase in ROE	Line 34	99,962,793.62
39	Incremental Return and incomes taxes for increase in ROE	Line 38 - Line 37	-
40	Rate Base	Line 1	836,963,220.38
41	Incremental Return and incomes 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.

For the 12 months ended 12/31/2018

## Gross Plant Calculation

		[1]	[2]	[3]	[4]	[5]	[6]	[7]
		Production	Transmission	Distribution	Intangible	General	Common	Total
1	December 2017	43,271,921	1,494,473,255	4,619,016,633	104,564,255	252,494,679	-	6,513,820,744
2	January 2018	43,286,643	1,496,361,795	4,629,496,419	104,594,836	253,069,252	-	6,526,808,945
3	February 2018	43,297,468	1,497,886,632	4,640,295,024	104,603,239	253,623,058	-	6,539,705,421
4	March 2018	43,301,844	1,499,687,661	4,651,216,718	104,794,393	255,818,285	-	6,554,818,900
5	April 2018	43,306,186	1,501,854,860	4,663,048,596	105,069,366	256,214,284	-	6,569,493,292
6	May 2018	43,310,515	1,532,948,674	4,675,477,678	105,098,109	256,617,459	-	6,613,452,435
7	June 2018	43,314,841	1,549,965,327	4,689,438,524	105,183,643	257,096,998	-	6,644,999,333
8	July 2018	43,346,460	1,552,706,196	4,702,716,855	105,245,428	257,639,858	-	6,661,654,796
9	August 2018	43,526,393	1,556,781,167	4,715,692,798	105,426,796	258,207,802	-	6,679,634,958
10	September 2018	43,558,025	1,560,441,510	4,727,560,412	105,440,718	258,713,093	-	6,695,713,758
11	October 2018	43,589,644	1,563,832,084	4,740,080,020	105,449,858	259,223,140	-	6,712,174,746
12	November 2018	43,621,278	1,565,945,222	4,752,152,697	105,472,582	259,889,252	-	6,727,081,030
13	December 2018	51,584,874	1,572,013,789	4,768,765,542	115,774,377	261,264,420	-	6,769,403,001
14	13-month Average [A] [C]	44,024,315	1,534,222,936	4,690,381,378	105,901,354	256,913,198	-	6,631,443,182

		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 2017	43,271,921	1,494,476,666	4,619,062,290	104,564,255	254,452,143	-	6,515,827,275
16	January 2018	43,286,643	1,496,365,206	4,629,542,076	104,594,836	255,026,715	-	6,528,815,476
17	February 2018	43,297,468	1,497,890,043	4,640,340,680	104,603,239	255,580,522	-	6,541,711,952
18	March 2018	43,301,844	1,499,691,071	4,651,262,375	104,794,393	257,775,748	-	6,556,825,431
19	April 2018	43,306,186	1,501,858,271	4,663,094,253	105,069,366	258,171,747	-	6,571,499,823
20	May 2018	43,310,515	1,532,952,084	4,675,523,335	105,098,109	258,574,923	-	6,615,458,966
21	June 2018	43,314,841	1,549,968,738	4,689,484,181	105,183,643	259,054,461	-	6,647,005,864
22	July 2018	43,346,460	1,552,709,606	4,702,762,511	105,245,428	259,597,321	-	6,663,661,327
23	August 2018	43,526,393	1,556,784,578	4,715,738,455	105,426,796	260,165,266	-	6,681,641,488
24	September 2018	43,558,025	1,560,444,920	4,727,606,069	105,440,718	260,670,557	-	6,697,720,289
25	October 2018	43,589,644	1,563,835,495	4,740,125,677	105,449,858	261,180,603	-	6,714,181,277
26	November 2018	43,621,278	1,565,948,632	4,752,198,353	105,472,582	261,846,716	-	6,729,087,561
27	December 2018	51,584,874	1,572,017,199	4,768,811,198	115,774,377	263,221,833	-	6,771,409,532
28	13-month Average	44,024,315	1,534,226,347	4,690,427,035	105,901,354	258,870,662	-	6,633,449,712

		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 2017		3,410	45,657	-	1,957,464	-
30	January 2018		3,410	45,657	-	1,957,464	-
31	February 2018		3,410	45,657	-	1,957,464	-
32	March 2018		3,410	45,657	-	1,957,464	-
33	April 2018		3,410	45,657	-	1,957,464	-
34	May 2018		3,410	45,657	-	1,957,464	-
35	June 2018		3,410	45,657	-	1,957,464	-
36	July 2018		3,410	45,657	-	1,957,464	-
37	August 2018		3,410	45,657	-	1,957,464	-
38	September 2018		3,410	45,657	-	1,957,464	-
39	October 2018		3,410	45,657	-	1,957,464	-
40	November 2018		3,410	45,657	-	1,957,464	-
41	December 2018		3,410	45,657	-	1,957,464	-
42	13-month Average	-	3,410	45,657	-	1,957,464	-

## 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



For the 12 months ended 12/31/2018

## Accumulated Depreciation Calculation

			[1]	[2]	[3]	[4]	[5]	[6]	[7]
			Production	Transmission	Distribution	Intangible	General	Common	Total
1	December	2017	21,189,851	380,244,861	1,402,776,432	73,340,816	125,153,122	-	2,002,705,083
2	January	2018	21,287,604	383,381,513	1,409,162,879	73,898,545	125,648,015	-	2,013,378,556
3	February	2018	21,385,815	385,868,697	1,415,533,133	74,456,437	126,145,709	-	2,023,389,791
4	March	2018	21,484,758	388,340,603	1,421,908,887	75,015,160	126,462,160	-	2,033,211,568
5	April	2018	21,583,713	390,865,445	1,428,203,444	75,575,825	126,979,596	-	2,043,208,023
6	May	2018	21,682,678	390,185,803	1,434,452,950	76,137,755	127,496,589	-	2,049,955,775
7	June	2018	21,781,652	391,124,227	1,440,555,634	76,700,162	128,005,484	-	2,058,167,158
8	July	2018	21,877,628	393,724,395	1,446,758,206	77,207,875	128,502,898	-	2,068,071,003
9	August	2018	21,957,333	396,156,947	1,453,017,218	77,716,601	128,991,425	-	2,077,839,524
10	September	2018	22,053,723	398,547,580	1,459,421,023	78,226,141	129,485,812	-	2,087,734,278
11	October	2018	22,150,177	400,927,707	1,465,773,786	78,735,777	129,980,110	-	2,097,567,556
12	November	2018	22,246,690	403,598,712	1,472,197,884	79,245,546	130,457,572	-	2,107,746,404
13	December	2018	21,469,717	405,829,764	1,478,141,688	79,793,777	130,857,101	-	2,116,092,047
14	13-month Average	[A] [C]	21,703,949	392,984,327	1,440,607,936	76,619,263	128,012,738	-	2,059,928,213
			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	2017	21,189,851	380,693,936	1,402,776,432	73,340,816	125,153,122	-	2,003,154,157
16	January	2018	21,287,604	383,821,305	1,409,162,879	73,898,545	125,648,015	-	2,013,818,347
17	February	2018	21,385,815	386,299,205	1,415,533,133	74,456,437	126,145,709	-	2,023,820,299
18	March	2018	21,484,758	388,761,828	1,421,908,887	75,015,160	126,462,160	-	2,033,632,793
19	April	2018	21,583,713	391,277,387	1,428,203,444	75,575,825	126,979,596	-	2,043,619,965
20	May	2018	21,682,678	390,588,462	1,434,452,950	76,137,755	127,496,589	-	2,050,358,434
21	June	2018	21,781,652	391,517,603	1,440,555,634	76,700,162	128,005,484	-	2,058,560,534
22	July	2018	21,877,628	394,108,487	1,446,758,206	77,207,875	128,502,898	-	2,068,455,095
23	August	2018	21,957,333	396,531,757	1,453,017,218	77,716,601	128,991,425	-	2,078,214,334
24	September	2018	22,053,723	398,913,106	1,459,421,023	78,226,141	129,485,812	-	2,088,099,805
25	October	2018	22,150,177	401,283,950	1,465,773,786	78,735,777	129,980,110	-	2,097,923,800
26	November	2018	22,246,690	403,945,672	1,472,197,884	79,245,546	130,457,572	-	2,108,093,364
27	December	2018	21,469,717	406,167,442	1,478,141,688	79,793,777	130,857,101	-	2,116,429,724
28	13-month Average		21,703,949	393,377,703	1,440,607,936	76,619,263	128,012,738	-	2,060,321,589

## Reserve for Depreciation of Asset Retirement Costs

			Production	Transmission	Distribution	Intangible	General	Common
		[B]		Company Records				
29	December	2017		449,074				
30	January	2018		439,791				
31	February	2018		430,508				
32	March	2018		421,225				
33	April	2018		411,942				
34	May	2018		402,659				
35	June	2018		393,376				
36	July	2018		384,093				
37	August	2018		374,810				
38	September	2018		365,527				
39	October	2018		356,243				
40	November	2018		346,960				
41	December	2018		337,677				
42	13-month Average			393,376				

## 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

		[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	2017	-	(366,581,315)	(9,353,594)	10,802,978	(1,917,347)	(367,049,277)
2	December 31	2018	-	(369,862,488)	(8,610,888)	11,261,026	(1,786,148)	(368,998,497)
3	Begin/End Average	[A]	-	(368,221,901)	(8,982,241)	11,032,002	(1,851,748)	(368,023,887)

			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
4	December 31	2017 [H]	-	\$370,999,024.16	\$12,496,348.39	\$22,619,104.10	\$1,917,347.00	408,031,824
5	December 31	2018 [H]	-	\$379,622,891.64	\$11,524,999.12	\$23,164,549.02	\$1,786,148.00	416,098,588
6	Begin/End Average		-	375,310,958	12,010,674	22,891,827	1,851,748	412,065,206

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.

	FAS 143 - ARO	FAS 106	FAS 109	CIAC	Normalization [G]
2017	-	-	4,417,709	-	-
2018	-	-	5,494,713	-	4,265,691
Begin/End Average	-	-	4,956,211	-	2,132,846

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

	FAS 143 - ARO	FAS 106	FAS 109	CIAC	Normalization [G]
2017	-	-	3,142,755	-	-
2018	-	-	3,879,666	-	(965,555)
Begin/End Average	-	-	3,511,210	-	(482,778)

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

	FAS 143 - ARO	FAS 106	FAS 109	CIAC	Normalization [G]
2017	-	-	-	11,816,126	-
2018	-	-	-	11,308,037	595,486
Begin/End Average	-	-	-	11,562,081	297,743

[E] Based on prior elections and IRS rulings, the 3% Investment Tax Credit ("ITC") and the 4% ITC may be used to reduce rate base as well as utilizing amortization of the tax credits against taxable income.

As a result, only the 3% and 4% values in FERC Form 1 column (h) on page 267 should be reported under Acct. No. 255.

[G] Sourced from Attachment 5b, page 2, col. 4

[H] Sourced from Attachment 5a, page 1, lines 1-5, col. 6 for beginning balance and page 1, lines 1-5, col. 7 for ending balance

Line	1	Jersey Central Power & Light					
		Summary of Transmission ADT (prior to adjusted items)					
		2	3	4	5	6	7
		Transmission Beginning	Transmission Ending	End Plant & Labor Related Allocated to Transmission	End Plant & Labor Related Allocated to Transmission	Total Transmission Beginning (col. 2, col. 3) (Note F)	Total Transmission Ending (col. 4, col. 5) (Note G)
1	ADT-282 From Account Subtotal Below	361,888,975	370,127,341	8,130,048.95	8,494,950.72	370,622,891.64	379,622,891.64
2	ADT-283 From Account Subtotal Below	12,451,760	11,476,860	44,936.07	46,309.40	12,495,346.39	11,624,896.12
3	ADT-493 From Account Subtotal Below	22,617,653	23,151,758	1,451.08	12,751.10	23,615,104.10	23,164,546.02
4	ADT-281 From Account Subtotal Below	-	-	-	-	-	-
5	ADT-255 From Account Subtotal Below	1,917,347	1,795,148	-	-	1,917,347.00	1,795,146.00
	Total (sum rows 1-5)	386,855,736	405,544,577	9,176,083	9,556,011	406,031,824	418,098,503

1 ADT-282 From Account Subtotal Below  
2 ADT-283 From Account Subtotal Below  
3 ADT-493 From Account Subtotal Below  
4 ADT-281 From Account Subtotal Below  
5 ADT-255 From Account Subtotal Below  
Total (sum rows 1-5)

Line	1	Jersey Central Power & Light									
		Calculation of Plant & Labor Related ADT allocated to Transmission									
		F1	F2	G1	G2	H	I	J	K	L	M
		End Plant Related	End Plant Related	End Plant Related	End Plant Related	Plant & Labor Subtotal	Plant & Labor Subtotal	Wages & Salary Allocation	End Plant & Labor Related ADT	End Plant & Labor Related ADT	End Plant & Labor Related ADT
		(Note A)	(Note A)	(Note B)	(Note B)	Col. F1 + Col. F2 + Col. G1 + Col. G2	(Note C)	(Note D)	(Col. F1 + Col. J) (Col. G1 + Col. J)	(Col. F2 + Col. I) (Col. G2 + Col. J)	(Col. K + Col. L) / 2
1	ADT-282 From Account Total Below	37,304,152	38,785,062	-	-	76,089,214	24.47%	8.73%	9,130,048.95	9,494,950.72	9,312,499.83
2	ADT-493 From Account Total Below	12,451,760	11,476,860	-	-	23,928,620	24.47%	8.73%	44,936.07	46,309.40	46,440.74
3	ADT-281 From Account Total Below	5,020	5,020	-	-	10,040	24.47%	8.73%	1,451.08	12,751.10	7,101.09
4	ADT-255 From Account Total Below	-	-	-	-	-	24.47%	8.73%	-	-	-
5	ADT-283 From Account Total Below	37,462,262	38,344,577	-	-	75,806,839	24.47%	8.73%	9,176,083	9,556,011	9,366,048.66
	Subtotal	-	-	-	-	-	-	-	-	-	-

1 ADT-282 From Account Total Below  
2 ADT-493 From Account Total Below  
3 ADT-281 From Account Total Below  
4 ADT-255 From Account Total Below  
5 ADT-283 From Account Total Below  
Subtotal

Note:  
A From column E (beginning on page 2)  
B From column E (beginning on page 2)  
C From column E (beginning on page 2)  
D Refers to Attachment H-4A, page 2, line 6, col. 4  
E Refers to Attachment H-4A, page 4, line 18, col. 6  
F From column E (beginning on page 2) by account

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns C-F and each separate ADT item will be listed. Dissimilar items with amounts exceeding \$100,000 will be listed separately.

A	B1	B2	B3	C	D	E	F	G
				Jersey Central Power & Light				
	End of Year Balance p234.18.C			Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related
ADT-190								
Distribution related								
Contributions in Aid of Construction	9,830,264					9,830,264	187,520	
Investment Tax Credit	11,679,175					11,689,266	(181,330)	
	1,324,153					1,324,153		
Subtotal	22,823,592					22,817,553	5,929	
ADT-190								
Distribution related								
Contributions in Aid of Construction	10,757,689					10,759,259	178,617	
Investment Tax Credit	11,212,484					11,330,002	(128,617)	
	1,233,544					1,233,544		
Subtotal	23,203,697					23,151,788	52,069	

JUSTIFICATION

JUSTIFICATION

Instructions for Account 190:

- ADT items related only to Retail Related Operations are directly assigned to Column C.
- ADT items related only to Non-Electric Operations (Nat. Gas, Water, Sewer) or Production are directly assigned to Column D.
- ADT items related to Transmission are directly assigned to Column E.
- ADT items related to Plant and not in Column C, D, E or F are directly assigned to Column F.
- ADT items related to Labor and not in Column C, D, E or F are directly assigned to Column G.

6. Deferred Income Items arise when Items are included in taxable income in different periods than they are included in rates. Therefore, if a item giving rise to the ADT is not included in the Item, the associated ADT amount shall be excluded.

A		B1	B2	B3	C	D	E	F	G
PJM TRANSMISSION OWNER		Jersey Central Power & Light							
ADT-2B2	Description related to ADT-2B2	Jersey Central Power & Light							
		Balance	End of Year	Balance	Retail	Gas, Prod	Only	Plant	Labor
		2/27/18	2/27/18	2/27/18	Related	Or Other	Transmission	Related	Related
ADT-2B2	Debt related								
	Accumulated Depreciation	57,185,421	57,185,421						
	AF-DC	281,152,720	281,152,720						
	AF-DC Equity (P&L)	8,684,455	8,684,455						
	Capitalized Time	3,954,161	3,954,161						
	Capitalized Time	8,127,177	8,127,177						
	Capitalized Time	9,628,816	9,628,816						
	Other	(695,849)	(695,849)						
	Construction in Aid of Construction	8,178,533	8,178,533						
	Penalties and Capitalized Benefits	25,778,926	25,778,926						
	For the 12 months ended	662,760	662,760						
	Subtotal	389,173,128	389,173,128						
ADT-2B2	Debt related								
	Accumulated Depreciation	53,310,549	53,310,549						
	AF-DC	281,152,720	281,152,720						
	AF-DC Equity (P&L)	5,574,830	5,574,830						
	Capitalized Time	7,700,562	7,700,562						
	Capitalized Time	8,132,008	8,132,008						
	Other	(625,020)	(625,020)						
	Construction in Aid of Construction	(7,763,027)	(7,763,027)						
	Penalties and Capitalized Benefits	33,380,812	33,380,812						
	For the 12 months ended	191,218	191,218						
	Subtotal	408,323,133	408,323,133						

Instructions for Account 2B2

- ADT items related only to Retail Related Operations are directly assigned to Column C.
- ADT items related only to Non-Retail Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
- ADT items related to Plant and not in Column C, D, E, or F are directly assigned to Column F.
- ADT items related to Plant and not in Column C, D, E, or F are directly assigned to Column F.
- ADT items related to labor and not in Column C, D, E, or F are directly assigned to Column G.
- Deferred income items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADT is not included in the formula, the associated ADT amount shall be excluded.



A B1 B2 B3 C D E F G

Jersey Central Power & Light

JUSTIFICATION

ADT-291

Subtotal

ADT-291

Subtotal

ADT-291

Subtotal

ADT-291

Subtotal

ADT-291

Subtotal

ADT-291

Subtotal

ADT-291

Subtotal

ADT-291

Subtotal

Instructions for Account 291:

1. ADT items related only to Retail Related Operations are directly assigned to Column C.
2. ADT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADT items related only to Transmission are directly assigned to Column E.
4. ADT items related only to Distribution are directly assigned to Column F.
5. ADT items related to both Distribution and Transmission are directly assigned to Column G.
6. Deferred income taxes are included in taxable income in different periods than they are included in rates. Therefore, if the time giving rise to the ADT is not included in the formula, the extended ADT amount shall be excluded.

PJM TRANSMISSION OWNER

A	B1	B2	B3	Jersey Central Power & Light				E	F	G
				C	D					
	Bag of Year Electricity Purchased			Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related		
ADT-255										
Investment Tax Credit	1,917,347					1,917,347				
Subtotal	1,917,347					1,917,347				
ADT-256										
Investment Tax Credit		1,785,148				1,785,148				
Subtotal		1,785,148				1,785,148				

JUSTIFICATION

JUSTIFICATION

Instructions for Account 255:

- ADT items related only to Retail Related Operations are directly assigned to Column C.
- ADT items related only to Non-Electric Operations (i.e., Gas, Water, Sewer or Production are directly assigned to Column D.
- ADT items related only to Transmission are directly assigned to Column E.
- ADT items related to Plant and not in Column C or D are directly assigned to Column F.
- ADT items related to Labor are directly assigned to Column G.
- Deferred income taxes when items are included in retail. Therefore, if the item giving rise to the ADT is not included in the formula, the associated ADT amount shall be excluded.



	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]
Beginning 190									
(including adjustments)									
10,802,978		(30,558)	10,772,421	917,778	11,690,199	61,588	11,751,787	104,725	11,856,512
Beginning 190									
(including adjustments)									
10,802,978		(23,107)		Pro-rated Q2 465,175		Pro-rated Q3 15,692		Pro-rated Q4 287	
Beginning 282									
(including adjustments)									
366,581,315		(218,896)	366,362,419	6,574,397	372,936,816	441,179	373,377,995	750,184	374,128,179
Beginning 282									
(including adjustments)									
366,581,315		(165,521)		Pro-rated Q2 3,332,229		Pro-rated Q3 112,410		Pro-rated Q4 2,055	
Beginning 283 including									
adjustments)									
9,353,594		49,548	9,403,142	(1,488,139)	7,915,002	(99,862)	7,815,140	(169,807)	7,645,333
Beginning 283 including									
adjustments)									
9,353,594		37,466		Pro-rated Q2 (754,262)		Pro-rated Q3 (25,444)		Pro-rated Q4 (465)	

	[1] Transmission-only (including plant and labor related to ADIT allocated to transmission) FERC Form 1 - Year-End 2018	[2] Prorated year- end less FERC Form 1 Year- end	[3] Sum of FAS143, FAS106, and CIAC from Attachment 5 notes	[4] Total Normalization to Attachment 5 (col. 2 - col. 3)	[5] Ending Balance for formula rate (col. 1 - col. 3 - col. 4)
2018 Activity					
Pro-rated Total					
458,048	23,164,549	11,903,523	11,308,037	595,486	11,261,026
Pro-rated Total					
3,281,173	379,622,892	9,760,404	5,494,713	4,265,691	369,862,488
Pro-rated Total					
(742,706)	11,524,999	2,914,111	3,879,666	(965,555)	8,610,888

1 **Calculation of PBOP Expenses**

2 **JCP&L**

3	Total FirstEnergy PBOP expenses	-\$108,686,300
4	Labor dollars (FirstEnergy)	\$2,024,261,894
5	cost per labor dollar (line 3 / line 4)	-\$0.0537
6	labor (labor not capitalized) current year	4,784,453
7	PBOP Expense for current year (line 5 * line 6)	-\$256,886
8	PBOP expense in all O&M and A&G accounts for current year	2,418
9	PBOP Adjustment for Attachment H-4A, page 3, line 9 (line 7 - line 8)	(259,304)

10 Lines 3-4 cannot change absent approval or acceptance by FERC in a separate proceeding

For the 12 months ended 12/31/2018

**Taxes Other than Income Calculation**

		[A]	Dec 31, 2018
<b>1</b>	<b>Payroll Taxes</b>		
1a	FICA & unemployment taxes	263.i	10,916,820
1b		263.i	
1c		263.i	
1d		263.i	
1z	<b>Payroll Taxes Total</b>		10,916,820
<b>2</b>	<b>Highway and Vehicle Taxes</b>		
2a	Federal Excise Tax	263.i	6,112
2z	<b>Highway and Vehicle Taxes</b>		6,112
<b>3</b>	<b>Property Taxes</b>		
3a	New Jersey Property Tax	263.i	6,164,852
3b	PA PURTA Tax	263.i	73
3c		263.i	-
3d		263.i	-
3z	<b>Property Taxes</b>		6,164,926
<b>4</b>	<b>Gross Receipts Tax</b>		
4a	Gross Receipts Tax	263.i	-
4z	<b>Gross Receipts Tax</b>		-
<b>5</b>	<b>Other Taxes</b>		
5a	Sales & Use Tax	263.i	3,024
5b		263.i	
5c		263.i	
5d			
5z	<b>Other Taxes</b>		3,024
<b>6z</b>	<b>Payments in lieu of taxes</b>		
7	Total other than income taxes (sum lines 1z, 2z, 3z, 4z, 5z, 6z) [tie to 114.14c]		\$17,090,881.57

**Notes:**

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

## Capital Structure Calculation

For the 12 months ended 12/31/2018

		[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 2017	3,214,133,400		(42,148)	(2,012,923)	1,810,936,125	1,405,252,346	1,694,643,688
2	January 2018	3,224,759,194		(42,148)	(2,018,800)	1,810,936,125	1,415,884,017	1,694,693,515
3	February 2018	3,233,770,097		(42,148)	(2,024,676)	1,810,936,125	1,424,900,797	1,694,743,340
4	March 2018	3,242,383,884		(42,148)	(2,030,553)	1,810,936,125	1,433,520,460	1,694,793,165
5	April 2018	3,250,956,544		(42,148)	(2,036,429)	1,810,936,125	1,442,098,996	1,694,842,990
6	May 2018	3,262,670,506		(42,148)	(2,042,354)	1,810,936,125	1,453,818,883	1,694,892,815
7	June 2018	3,285,259,232		(42,148)	(2,071,259)	1,810,936,125	1,476,436,514	1,544,939,303
8	July 2018	3,313,813,949		(42,148)	(2,100,164)	1,810,936,125	1,505,020,135	1,544,982,870
9	August 2018	3,340,074,755		(42,148)	(2,129,068)	1,810,936,125	1,531,309,846	1,545,026,438
10	September 2018	3,357,014,924		(42,148)	(2,157,973)	1,810,936,125	1,548,278,920	1,545,070,006
11	October 2018	3,366,296,220		(42,148)	(2,186,878)	1,810,936,125	1,557,589,120	1,545,113,573
12	November 2018	3,377,314,714		(42,148)	(2,215,782)	1,810,936,125	1,568,636,520	1,545,157,141
13	December 2018	3,406,437,903		(42,148)	(2,244,687)	1,810,936,125	1,597,788,613	1,545,200,708
14	13-month Average	3,298,068,102		(42,148)	(2,097,811)	1,810,936,125	1,489,271,936	1,614,161,504

## Notes:

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

**Stated Value Inputs**

Attachment H-4A, Attachment 9  
page 1 of 1  
For the 12 months ended 12/31/2018

**Formula Rate Protocols  
Section VIII.A**

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

JCP&L's stated ROE is set to: 11.0%

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

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

Total FirstEnergy PBOP expenses	-\$108,686,300
Labor dollars (FirstEnergy)	\$2,024,261,894

**3. Depreciation Rates**

FERC Account	Depr %
350.2	1.44%
352	1.33%
353	2.21%
354	1.29%
355	1.93%
356	2.60%
356.1	1.22%
357	1.53%
358	1.76%
359	1.21%
303	14.29%
390.1	1.61%
390.2	0.46%
391	10.91%
391.15	0.96%
391.2	6.39%
392	11.29%
393	3.13%
394	6.17%
395	16.27%
396	2.35%
397	5.13%
398	1.36%

TABLE 1: Summary Cost of Long Term Debt

CALCULATION OF COST OF DEBT									
YEAR ENDED 12/31/2018									
Long Term Debt Maturity Date	Issue Date	Maturity Date	Original Insurance (Table 2, col. 4)	Net Proceeds At Issuance (Table 2, col. 5)	Net Amount Outstanding at 12/31/18	Weighted Outstanding Ratio (col. 6, col. 7)	Average Net Outstanding "Z"	Effective Cost Rate (Table 2, Col. 1)	Weighted Effective Cost Rate (Table 2, Col. 1)
(1) 4.50% Series 5/15/2023	5/15/2018	5/15/2023	\$ 150,000,000	\$ 147,652,164	\$ 148,924,935	5.5	\$ 68,715,566.86	4.50%	0.21%
(2) 4.50% Series 5/15/2025	5/15/2018	5/15/2025	\$ 200,000,000	\$ 195,437,737	\$ 197,817,345	12	\$ 97,817,345.76	6.54%	0.85%
(3) 6.15% Series 5/15/2027	5/15/2018	5/15/2027	\$ 300,000,000	\$ 297,350,139	\$ 296,714,697	12	\$ 296,714,697.13	6.54%	1.16%
(4) 7.25% Series 4/1/2029	4/1/2018	4/1/2029	\$ 300,000,000	\$ 291,197,659	\$ 291,197,659	12	\$ 291,197,659.35	4.57%	1.58%
(5) 4.25% Series 4/1/2031	4/1/2018	4/1/2031	\$ 300,000,000	\$ 291,197,659	\$ 291,197,659	12	\$ 291,197,659.35	4.44%	1.58%
(6) 4.25% Series 4/1/2033	4/1/2018	4/1/2033	\$ 1,700,000,000	\$ 1,648,594,944	\$ 1,648,594,944	12	\$ 1,648,594,944.00	4.44%	1.58%
									5.20%

For more information, please refer to the "Notes to Financial Statements" of the Company's Annual Report.

The accompanying amount (column 6) for debt being during the year is the outstanding amount of the debt as of the end of the year, with zero in months that the insurance is not outstanding in a month.

Weighted Effective Cost Rate (Table 2, Col. 1) is calculated as the weighted average of the Effective Cost Rates of the debt as of the end of the year, with zero in months that the insurance is not outstanding in a month.

The Total Weighted Average Cost Rate (Table 2, Col. 1) is calculated as the weighted average of the Weighted Effective Cost Rates of the debt as of the end of the year, with zero in months that the insurance is not outstanding in a month.

TABLE 2: Effective Cost Rate For Traditional Fixed-Rate Debt Instruments

YEAR ENDED 12/31/2018									
Long Term Debt Maturity Date	Issue Date	Maturity Date	Amount Issued	Discount at Issuance	Net Proceeds	Less: Claim on Insurance	Net Proceeds	Effective Cost Rate (Yields Monthly at Issuance, i = 9)	Annual Interest (col. 9, * col. 1)
(1) 4.50% Series 5/15/2023	5/15/2018	5/15/2023	\$ 150,000,000	\$ (1,146,000)	\$ 1,358,915	\$ 1,358,915	\$ 1,358,915	4.50%	\$ 7,500,000
(2) 4.50% Series 5/15/2025	5/15/2018	5/15/2025	\$ 200,000,000	\$ (1,218,000)	\$ 2,345,973	\$ 2,345,973	\$ 2,345,973	6.54%	\$ 13,000,000
(3) 6.15% Series 5/15/2027	5/15/2018	5/15/2027	\$ 300,000,000	\$ (1,381,000)	\$ 3,265,961	\$ 3,265,961	\$ 3,265,961	6.54%	\$ 19,590,000
(4) 7.25% Series 4/1/2029	4/1/2018	4/1/2029	\$ 300,000,000	\$ (7,565,000)	\$ 4,207,359	\$ 4,207,359	\$ 4,207,359	7.49%	\$ 22,050,000
(5) 4.25% Series 4/1/2031	4/1/2018	4/1/2031	\$ 300,000,000	\$ (8,652,000)	\$ 2,115,469	\$ 2,115,469	\$ 2,115,469	7.49%	\$ 10,550,000
(6) 4.25% Series 4/1/2033	4/1/2018	4/1/2033	\$ 1,700,000,000	\$ (12,622,000)	\$ 12,622,000	\$ 12,622,000	\$ 12,622,000	4.44%	\$ 94,750,000
									5.20%

\*Yield at Issuance calculated from an accumulated bond table of from Yield to Maturity Rate of Return (YTM) calculation.

Effective Cost Rate of Traditional Issuance (YTM at Issuance) = (YTM at Issuance) \* (1 - C<sub>1</sub> - C<sub>2</sub> - C<sub>3</sub> - C<sub>4</sub> - C<sub>5</sub> - C<sub>6</sub> - C<sub>7</sub> - C<sub>8</sub> - C<sub>9</sub> - C<sub>10</sub> - C<sub>11</sub> - C<sub>12</sub> - C<sub>13</sub> - C<sub>14</sub> - C<sub>15</sub> - C<sub>16</sub> - C<sub>17</sub> - C<sub>18</sub> - C<sub>19</sub> - C<sub>20</sub> - C<sub>21</sub> - C<sub>22</sub> - C<sub>23</sub> - C<sub>24</sub> - C<sub>25</sub> - C<sub>26</sub> - C<sub>27</sub> - C<sub>28</sub> - C<sub>29</sub> - C<sub>30</sub> - C<sub>31</sub> - C<sub>32</sub> - C<sub>33</sub> - C<sub>34</sub> - C<sub>35</sub> - C<sub>36</sub> - C<sub>37</sub> - C<sub>38</sub> - C<sub>39</sub> - C<sub>40</sub> - C<sub>41</sub> - C<sub>42</sub> - C<sub>43</sub> - C<sub>44</sub> - C<sub>45</sub> - C<sub>46</sub> - C<sub>47</sub> - C<sub>48</sub> - C<sub>49</sub> - C<sub>50</sub> - C<sub>51</sub> - C<sub>52</sub> - C<sub>53</sub> - C<sub>54</sub> - C<sub>55</sub> - 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C<sub>562</sub> - C<sub>563</sub> - C<sub>564</sub> - C<sub>565</sub> - C<sub>566</sub> - C<sub>567</sub> - C<sub>568</sub> - C<sub>569</sub> - C<sub>570</sub> - C<sub>571</sub> - C<sub>572</sub> - C<sub>573</sub> - C<sub>574</sub> - C<sub>575</sub> - C<sub>576</sub> - C<sub>577</sub> - C<sub>578</sub> - C<sub>579</sub> - C<sub>580</sub> - C<sub>581</sub> - C<sub>582</sub> - C<sub>583</sub> - C<sub>584</sub> - C<sub>585</sub> - C<sub>586</sub> - C<sub>587</sub> - C<sub>588</sub> - C<sub>589</sub> - C<sub>590</sub> - C<sub>591</sub> - C<sub>592</sub> - C<sub>593</sub> - C<sub>594</sub> - C<sub>595</sub> - C<sub>596</sub> - C<sub>597</sub> - C<sub>598</sub> - C<sub>599</sub> - C<sub>600</sub> - C<sub>601</sub> - C<sub>602</sub> - C<sub>603</sub> - C<sub>604</sub> - C<sub>605</sub> - C<sub>606</sub> - C<sub>607</sub> - C<sub>608</sub> - C<sub>609</sub> - C<sub>610</sub> - C<sub>611</sub> - C<sub>612</sub> - C<sub>613</sub> - C<sub>614</sub> - C<sub>615</sub> - C<sub>616</sub> - C<sub>617</sub> - C<sub>618</sub> - C<sub>619</sub> - C<sub>620</sub> - C<sub>621</sub> - C<sub>622</sub> - C<sub>623</sub> - C<sub>624</sub> - C<sub>625</sub> - C<sub>626</sub> - C<sub>627</sub> - C<sub>628</sub> - C<sub>629</sub> - C<sub>630</sub> - C<sub>631</sub> - C<sub>632</sub> - C<sub>633</sub> - C<sub>634</sub> - C<sub>635</sub> - C<sub>636</sub> - C<sub>637</sub> - C<sub>638</sub> - C<sub>639</sub> - C<sub>640</sub> - C<sub>641</sub> - C<sub>642</sub> - C<sub>643</sub> - C<sub>644</sub> - C<sub>645</sub> - C<sub>646</sub> - C<sub>647</sub> - C<sub>648</sub> - C<sub>649</sub> - C<sub>650</sub> - C<sub>651</sub> - C<sub>652</sub> - C<sub>653</sub> - C<sub>654</sub> - C<sub>655</sub> - C<sub>656</sub> - C<sub>657</sub> - C<sub>658</sub> - C<sub>659</sub> - C<sub>660</sub> - C<sub>661</sub> - C<sub>662</sub> - C<sub>663</sub> - C<sub>664</sub> - C<sub>665</sub> - C<sub>666</sub> - C<sub>667</sub> - C<sub>668</sub> - C<sub>669</sub> - C<sub>670</sub> - C<sub>671</sub> - C<sub>672</sub> - C<sub>673</sub> - C<sub>674</sub> - C<sub>675</sub> - C<sub>676</sub> - C<sub>677</sub> - C<sub>678</sub> - C<sub>679</sub> - C<sub>680</sub> - C<sub>681</sub> - C<sub>682</sub> - C<sub>683</sub> - C<sub>684</sub> - C<sub>685</sub> - C<sub>686</sub> - C<sub>687</sub> - C<sub>688</sub> - C<sub>689</sub> - C<sub>690</sub> - C<sub>691</sub> - C<sub>692</sub> - C<sub>693</sub> - C<sub>694</sub> - C<sub>695</sub> - C<sub>696</sub> - C<sub>697</sub> - C<sub>698</sub> - C<sub>699</sub> - C<sub>700</sub> - C<sub>701</sub> - C<sub>702</sub> - C<sub>703</sub> - C<sub>704</sub> - C<sub>705</sub> - C<sub>706</sub> - C<sub>707</sub> - C<sub>708</sub> - C<sub>709</sub> - C<sub>710</sub> - C<sub>711</sub> - C<sub>712</sub> - C<sub>713</sub> - C<sub>714</sub> - C<sub>715</sub> - C<sub>716</sub> - C<sub>717</sub> - C<sub>718</sub> - C<sub>719</sub> - C<sub>720</sub> - C<sub>721</sub> - C<sub>722</sub> - C<sub>723</sub> - C<sub>724</sub> - C<sub>725</sub> - C<sub>726</sub> - C<sub>727</sub> - C<sub>728</sub> - C<sub>729</sub> - C<sub>730</sub> - C<sub>731</sub> - C<sub>732</sub> - C<sub>733</sub> - C<sub>734</sub> - C<sub>735</sub> - C<sub>736</sub> - C<sub>737</sub> - C<sub>738</sub> - C<sub>739</sub> - C<sub>740</sub> - C<sub>741</sub> - C<sub>742</sub> - C<sub>743</sub> - C<sub>744</sub> - C<sub>745</sub> - C<sub>746</sub> - C<sub>747</sub> - C<sub>748</sub> - C<sub>749</sub> - C<sub>750</sub> - C<sub>751</sub> - C<sub>752</sub> - C<sub>753</sub> - C<sub>754</sub> - C<sub>755</sub> - C<sub>756</sub> - C<sub>757</sub> - C<sub>758</sub> - C<sub>759</sub> - C<sub>760</sub> - C<sub>761</sub> - C<sub>762</sub> - C<sub>763</sub> - C<sub>764</sub> - C<sub>765</sub> - C<sub>766</sub> - C<sub>767</sub> - C<sub>768</sub> - C<sub>769</sub> - C<sub>770</sub> - C<sub>771</sub> - C<sub>772</sub> - C<sub>773</sub> - C<sub>774</sub> - C<sub>775</sub> - C<sub>776</sub> - C<sub>777</sub> - C<sub>778</sub> - C<sub>779</sub> - C<sub>780</sub> - C<sub>781</sub> - C<sub>782</sub> - C<sub>783</sub> - C<sub>784</sub> - C<sub>785</sub> - C<sub>786</sub> - C<sub>787</sub> - C<sub>788</sub> - C<sub>789</sub> - C<sub>790</sub> - C<sub>791</sub> - C<sub>792</sub> - C<sub>793</sub> - C<sub>794</sub> - C<sub>795</sub> - C<sub>796</sub> - C<sub>797</sub> - C<sub>798</sub> - C<sub>799</sub> - C<sub>800</sub> - C<sub>801</sub> - C<sub>802</sub> - C<sub>803</sub> - C<sub>804</sub> - C<sub>805</sub> - C<sub>806</sub> - C<sub>807</sub> - C<sub>808</sub> - C<sub>809</sub> - C<sub>810</sub> - C<sub>811</sub> - C<sub>812</sub> - C<sub>813</sub> - C<sub>814</sub> - C<sub>815</sub> - C<sub>816</sub> - C<sub>817</sub> - C<sub>818</sub> - C<sub>819</sub> - C<sub>820</sub> - C<sub>821</sub> - C<sub>822</sub> - C<sub>823</sub> - C<sub>824</sub> - C<sub>825</sub> - C<sub>826</sub> - C<sub>827</sub> - C<sub>828</sub> - C<sub>829</sub> - C<sub>830</sub> - C<sub>831</sub> - C<sub>832</sub> - C<sub>833</</sub>

[illegible]





Line No.	Project Name	RTEP Project Number	Project Gross Plant (Note A)	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
2a	Upgrade the Portland - Gresham 230kV circuit Reconfigure the 8 mile Gilbert - Glen Gresham 230 kV circuit	30174 b2038	\$ 12,588,193 \$ 5,984,784	\$ 12,588,193 \$ 5,984,784	\$ 12,588,193 \$ 5,984,784	\$ 12,588,193 \$ 5,984,784	\$ 12,588,193 \$ 5,984,784	\$ 12,588,193 \$ 5,984,784	\$ 12,588,193 \$ 5,984,784	\$ 12,588,193 \$ 5,984,784	\$ 12,588,193 \$ 5,984,784	\$ 12,588,193 \$ 5,984,784	\$ 12,588,193 \$ 5,984,784	\$ 12,588,193 \$ 5,984,784	\$ 12,588,193 \$ 5,984,784	\$ 12,588,193 \$ 5,984,784
2b	Add a 2nd Ramon River 230/115 kV transformer	b0726	\$ 7,335,680	\$ 7,335,680	\$ 7,335,680	\$ 7,335,680	\$ 7,335,680	\$ 7,335,680	\$ 7,335,680	\$ 7,335,680	\$ 7,335,680	\$ 7,335,680	\$ 7,335,680	\$ 7,335,680	\$ 7,335,680	\$ 7,335,680
2c	Build a new 230 kV circuit from Larabee to Occanview	b2015	\$ 154,806,153	\$ 135,378,987	\$ 135,378,987	\$ 135,378,987	\$ 135,378,987	\$ 135,378,987	\$ 135,378,987	\$ 135,378,987	\$ 135,378,987	\$ 135,378,987	\$ 135,378,987	\$ 135,378,987	\$ 135,378,987	\$ 135,378,987
2d	Implement high speed relaying utilizing OPGW on Deane - East Windsor 500 kV lines	b2033.6 DEAN_A b2033.6 DEAN_B	\$ -	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
2e	Implement high speed relaying utilizing OPGW on Deane - East Windsor 500 kV lines	b2033.6 DEAN_A b2033.6 DEAN_B	\$ -	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
2f	Implement high speed relaying utilizing OPGW on Deane - East Windsor 500 kV lines	b2033.6 DEAN_A b2033.6 DEAN_B	\$ -	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
2g	Deep Run 115 kV substations with higher rated equipment for both B2 and C3 circuits	b1374	\$ 12,318	\$ 12,318.00	\$ 12,318.00	\$ 12,318.00	\$ 12,318.00	\$ 12,318.00	\$ 12,318.00	\$ 12,318.00	\$ 12,318.00	\$ 12,318.00	\$ 12,318.00	\$ 12,318.00	\$ 12,318.00	\$ 12,318.00

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.

TEC Workarea Support  
Net Plant Detail

Attachment H-4A, Attachment 11a  
page 2 of 2  
For the 12 months ended 12/31/2018

Accumulated Depreciation (Note B)	Dec-17 (Note D)	Jan-18 (Note D)	Feb-18 (Note D)	Mar-18 (Note D)	Apr-18 (Note D)	May-18 (Note D)	Jun-18 (Note D)	Jul-18 (Note D)	Aug-18 (Note D)	Sep-18 (Note D)	Oct-18 (Note D)	Nov-18 (Note D)	Dec-18 (Note D)	Project Net Plant (Note H & C)
\$2,399,790.20 \$	2,176,713 \$	2,203,883 \$	2,231,052 \$	2,258,222 \$	2,285,391 \$	2,312,561 \$	2,339,730 \$	2,366,900 \$	2,394,069 \$	2,421,239 \$	2,448,408 \$	2,475,578 \$	2,502,747 \$	\$10,248,463
\$795,975.23 \$	707,873 \$	720,840 \$	733,807 \$	746,774 \$	759,741 \$	772,708 \$	785,675 \$	798,642 \$	811,609 \$	824,576 \$	837,543 \$	850,510 \$	863,477 \$	\$5,198,108
\$521,822.41 \$	440,763 \$	454,275 \$	467,785 \$	481,295 \$	494,803 \$	508,313 \$	521,822 \$	535,332 \$	548,842 \$	562,352 \$	575,862 \$	589,372 \$	602,882 \$	\$6,813,857
\$3,228,718.18	\$1,588,167	\$1,838,480	\$2,087,813	\$2,337,156	\$2,586,499	\$2,835,842	\$3,085,185	\$3,334,528	\$3,583,871	\$3,833,214	\$4,082,557	\$4,331,900	\$4,581,243	\$151,577,934
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0
\$460.02	\$348.59	\$373.00	\$396.40	\$419.81	\$443.21	\$466.61	\$490.02	\$513.42	\$536.83	\$560.23	\$583.64	\$607.04	\$630.44	\$11,828

NOTE

[B] Utilizing a 15-month average.

[C] Taken to Attachment 11, Page 2, Col. 6

[D] Company records

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

Line No.	(a) Project Name	(b) RTEP Project Number	(c) Actual Revenues for Attachment 11	(d) Projected Annual Revenue Requirement	(e) % of Total Revenue Requirement	(f) Revenue Received	(g) Actual Annual Revenue Requirement	(h) True-up Adjustment Principal Over/(Under)	(i) Applicable Interest Rate on Over/(Under)	(j) Total True-up Adjustment with Interest Over/(Under)
1	[A] Actual RTEP Credit Revenues for true-up year									
2a	Project 1									
2b	Project 2									
2c	Project 3									
3	Subtotal									
4	Total Interest (Sourced from Attachment 13a, line 30)									

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

Net Revenue Requirement True-up with Interest

Reconciliation Revenue Requirement For Year 2015 Available May 1, 2016	2015 Revenue Requirement Collected by PJM Based on Forecast filed on Oct 31, 2014	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 2015, held for 2016 and returned prorata over 2017

Calculation of Interest				Monthly		
3	January	Year 2015	-	0.0000%	12	-
4	February	Year 2015	-	0.0000%	11	-
5	March	Year 2015	-	0.0000%	10	-
6	April	Year 2015	-	0.0000%	9	-
7	May	Year 2015	-	0.0000%	8	-
8	June	Year 2015	-	0.0000%	7	-
9	July	Year 2015	-	0.0000%	6	-
10	August	Year 2015	-	0.0000%	5	-
11	September	Year 2015	-	0.0000%	4	-
12	October	Year 2015	-	0.0000%	3	-
13	November	Year 2015	-	0.0000%	2	-
14	December	Year 2015	-	0.0000%	1	-
				Annual		
15	January through December	Year 2016	-	0.0000%	12	-
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months				Monthly		
16	January	Year 2017	-	0.0000%	-	-
17	February	Year 2017	-	0.0000%	-	-
18	March	Year 2017	-	0.0000%	-	-
19	April	Year 2017	-	0.0000%	-	-
20	May	Year 2017	-	0.0000%	-	-
21	June	Year 2017	-	0.0000%	-	-
22	July	Year 2017	-	0.0000%	-	-
23	August	Year 2017	-	0.0000%	-	-
24	September	Year 2017	-	0.0000%	-	-
25	October	Year 2017	-	0.0000%	-	-
26	November	Year 2017	-	0.0000%	-	-
27	December	Year 2017	-	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

TEC Revenue Requirement True-up with Interest

TEC Reconciliation Revenue Requirement For Year 2015 Available May 1, 2016	TEC 2015 Revenue Requirement Collected by PJM Based on Forecast filed on Oct 31, 2014	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 2015, held for 2016 and returned prorata over 2017

Calculation of Interest

				Monthly		
3 January	Year 2015	-	0.0000%	12	-	-
4 February	Year 2015	-	0.0000%	11	-	-
5 March	Year 2015	-	0.0000%	10	-	-
6 April	Year 2015	-	0.0000%	9	-	-
7 May	Year 2015	-	0.0000%	8	-	-
8 June	Year 2015	-	0.0000%	7	-	-
9 July	Year 2015	-	0.0000%	6	-	-
10 August	Year 2015	-	0.0000%	5	-	-
11 September	Year 2015	-	0.0000%	4	-	-
12 October	Year 2015	-	0.0000%	3	-	-
13 November	Year 2015	-	0.0000%	2	-	-
14 December	Year 2015	-	0.0000%	1	-	-
					-	-

				Annual		
15 January through December	Year 2016	-	0.0000%	12	-	-

Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months

				Monthly		
16 January	Year 2017	-	0.0000%	-	-	-
17 February	Year 2017	-	0.0000%	-	-	-
18 March	Year 2017	-	0.0000%	-	-	-
19 April	Year 2017	-	0.0000%	-	-	-
20 May	Year 2017	-	0.0000%	-	-	-
21 June	Year 2017	-	0.0000%	-	-	-
22 July	Year 2017	-	0.0000%	-	-	-
23 August	Year 2017	-	0.0000%	-	-	-
24 September	Year 2017	-	0.0000%	-	-	-
25 October	Year 2017	-	0.0000%	-	-	-
26 November	Year 2017	-	0.0000%	-	-	-
27 December	Year 2017	-	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

## Other Rate Base Items

For the 12 months ended 12/31/2018

		[1]	[2]	[3]	[4]	[5]	[6]
		Land Held for Future Use	Materials & Supplies	Prepayments (Account 165)		Total	
		[A] 214.x.d	227.8.c & .16.c	111.57.c [C]			
1	December 31 2017	-	-	2,065,755		2,065,755	
2	December 31 2018	-	-	2,065,755		2,065,755	
3	Begin/End Average	-	-	2,065,755		2,065,755	
Unfunded Reserve - Plant Related							Total
FERC Acct No.		228.1	228.2	228.3	228.4	242	
		[A] [D] 112.27.c	112.28.c	112.29.c	112.30.c	113.48.c	
4	December 31 2017	-	-	-	-	-	-
5	December 31 2018	-	-	-	-	-	-
6	Begin/End Average	-	-	-	-	-	-
Unfunded Reserve - Labor Related							Total
FERC Acct No.		228.1	228.2	228.3	228.4	242	
		[A] [D] 112.27.c	112.28.c	112.29.c	112.30.c	113.48.c [B]	
7	December 31 2017	-	-	-	-	-	-
8	December 31 2018	-	-	-	-	-	-
9	Begin/End Average	-	-	-	-	-	-

## Notes:

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

[B] Values entered under FERC Account No. 242, classified as Unfunded Reserve - Labor Related, are limited to Vacation Accruals and Employee Incentive Compensation.

[C] Prepayments shall exclude prepayments of income taxes.

[D] Includes transmission-related balance only

[1]	Income Tax Adjustments			[4] Dec 31, 2017	[5] Dec 31, 2018
	[2]	[3] Beg/End Average [C]			
1 Tax adjustment for Permanent Differences & AFUDC Equity	[A]	175,500		161,000	\$190,000
2 Amortized Excess Deferred Taxes (enter negative)	[B]	-		-	\$0
3 Amortized Deficient Deferred Taxes	[B]	-		-	\$0

**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. Amounts to be included will be January 1, 2017 and thereafter.

[C] Beg/End Average for line 1 taken to Attachment H-4A, page 3, line 33; Beg/End Average for lines 2-3 taken to Attachment H-4A, page 3, line 34



Regulatory Asset - Storms							
	[1]	[2]	[3] Months Remaining In Amortization Period	[4] Beginning Balance	[5] Amortization Expense (Company Records)	[6] Additions (Deductions)	[7] Ending Balance
1	<u>Monthly Balance</u>	Source					
2	December 2017	p232 (and Notes)	61	10,966,592	182,776.53	-	10,966,591.67
3	January	FERC Account 182.3	60	10,783,815	182,776.53	-	10,783,815.14
4	February	FERC Account 182.3	59	10,601,039	182,776.53	-	10,601,038.61
5	March	FERC Account 182.3	58	10,418,262	182,776.53	-	10,418,262.08
6	April	FERC Account 182.3	57	10,235,486	182,776.53	-	10,235,485.56
7	May	FERC Account 182.3	56	10,052,709	182,776.53	-	10,052,709.03
8	June	FERC Account 182.3	55	9,869,933	182,776.53	-	9,869,932.50
9	July	FERC Account 182.3	54	9,687,156	182,776.53	-	9,687,155.97
10	August	FERC Account 182.3	53	9,504,379	182,776.53	-	9,504,379.44
11	September	FERC Account 182.3	52	9,321,603	182,776.53	-	9,321,602.92
12	October	FERC Account 182.3	51	9,138,826	182,776.53	-	9,138,826.39
13	November	FERC Account 182.3	50	8,956,050	182,776.53	-	8,956,049.86
14	December 2018	p232 (and Notes)	49		182,776.53	-	8,773,273.33
15	Ending Balance 13-Month Average (sum lines 2-14) /13				\$2,193,318.33	-	\$9,869,932.50
Attachment H-4A, page 3, line 12							Attachment H-4A, page 2, Line 27

Attachment H-4A, page 2, Line 27

Attachment H-4A, page 3, line 12

		Regulatory Asset - Vegetation Management			
		[3]	[4]	[5]	[6]
		Months			
		Remaining In			
		Amortization			
		Period	Beginning Balance	Amortization Expense (Company Records)	Additions (Deductions)
					Ending Balance
1	Monthly Balance				
2	December 2017	73			11,930,822.57
3	January	72	11,930,823	165,705.87	-
4	February	71	11,765,117	165,705.87	-
5	March	70	11,599,411	165,705.87	-
6	April	69	11,433,705	165,705.87	-
7	May	68	11,267,999	165,705.87	-
8	June	67	11,102,293	165,705.87	-
9	July	66	10,936,587	165,705.87	-
10	August	65	10,770,881	165,705.87	-
11	September	64	10,605,176	165,705.87	-
12	October	63	10,439,470	165,705.87	-
13	November	62	10,273,764	165,705.87	-
14	December 2018	61	10,108,058	165,705.87	-
15	Ending Balance 13-Month Average (sum lines 2-14) /13			\$1,988,470.43	\$10,936,587.36

Attachment H-4A, page 2, Line 27

Attachment H-4A, page 3, line 12

Attachment H-4A, page 2, Line 27

	[1]	[2]	Abandoned Plant				[7]
			[3] Months Remaining In Amortization Period	[4] Beginning Balance	[5] Amortization Expense (p114,10.c)	[6] Additions (Deductions)	
1	<b>Monthly Balance</b>	Source	13				Ending Balance
2	December 2017	p111.71.d (and Notes)	12	-	-	-	-
3	January	FERC Account 182.2	11	-	-	-	-
4	February	FERC Account 182.2	10	-	-	-	-
5	March	FERC Account 182.2	9	-	-	-	-
6	April	FERC Account 182.2	8	-	-	-	-
7	May	FERC Account 182.2	7	-	-	-	-
8	June	FERC Account 182.2	6	-	-	-	-
9	July	FERC Account 182.2	5	-	-	-	-
10	August	FERC Account 182.2	4	-	-	-	-
11	September	FERC Account 182.2	3	-	-	-	-
12	October	FERC Account 182.2	2	-	-	-	-
13	November	FERC Account 182.2	1	-	-	-	-
14	December 2018	p230b					
15	<b>Ending Balance 13-Month Average</b>	(sum lines 2-14) /13			<u>\$0.00</u>		<u>\$0.00</u>
							Attachment H-4A, page 2, Line 28

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

**CWIP**  
[A]  
216.b

1	December	2017
2	January	2018
3	February	2018
4	March	2018
5	April	2018
6	May	2018
7	June	2018
8	July	2018
9	August	2018
10	September	2018
11	October	2018
12	November	2018
13	December	2018
14	13-month Average	



Notes:

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

**Federal Income Tax Rate**

Nominal Federal Income Tax Rate	35.00%
(entered on Attachment H-4A, page 5 of 5, Note K)	

**State Income Tax Rate**

	New Jersey	Combined Rate (entered on Attachment H-4A, page 5 of 5, Note K)
Nominal State Income Tax Rate	9.00%	
Times Apportionment Percentage	100.00%	
Combined State Income Tax Rate	9.000%	9.000%