

**JONES DAY**

51 LOUISIANA AVENUE, N.W. • WASHINGTON, D.C. 20001.2113  
TELEPHONE: +1.202.879.3939 • FACSIMILE: +1.202.626.1700

DIRECT NUMBER: (202) 879-3430  
JCBEH@JONESDAY.COM

May 14, 2021

**VIA ETARIFF FILING**

The Honorable Kimberly D. Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street, N.E.  
Washington, DC 20426

**Re: *PJM Interconnection, L.L.C.*  
*Jersey Central Power & Light Company*  
*Settlement Compliance Filing*  
Docket No. ER20-227-00**

Dear Secretary Bose:

Pursuant to the Federal Energy Regulatory Commission's ("FERC" or "Commission") letter order issued on April 15, 2021, in the above-captioned proceeding approving the Offer of Settlement ("Settlement") concerning Jersey Central Power & Light Company's ("JCP&L") proposed transmission formula rate and associated protocols,<sup>1</sup> and pursuant to Section 205 of the Federal Power Act<sup>2</sup> and Part 35 of the Commission's regulations,<sup>3</sup> JCP&L hereby submits a compliance filing with tariff records (the "Settled Template and Protocols") in eTariff format<sup>4</sup> to reflect the Commission's action in the April 15 Order. In accordance with Section 2.2 of the Settlement, JCP&L requests that the Commission accept the Settled Template and Protocols for filing effective January 1, 2020.

---

<sup>1</sup> *PJM Interconnection, L.L.C. and Jersey Cent. Power & Light Co.*, Docket No. ER20-227-001, at P 4 (Apr. 15, 2021) (delegated letter order) ("April 15 Order").

<sup>2</sup> 16 U.S.C. § 824d.

<sup>3</sup> 18 C.F.R. Part 35.

<sup>4</sup> See *Elec. Tariff Filings*, Order No. 714, 124 FERC ¶ 61,270 (2008), *order on reh'g*, Order No. 714-A, 147 FERC ¶ 61,115 (2014). Pursuant to Order No. 714, this filing is being submitted by the PJM Interconnection, L.L.C. ("PJM") on behalf of JCP&L as part of an XML filing package that conforms with the Commission's regulations. PJM has agreed to make all filings on behalf of the PJM Transmission Owners in order to retain administrative control over the PJM Tariff. Thus, JCP&L has requested that PJM submit this filing in the eTariff system as part of PJM's electronic Intra PJM Tariff.

The Honorable Kimberly D. Bose  
May 14, 2021  
Page 2

## I. BACKGROUND

On February 2, 2021, JCP&L filed the Settlement in Docket No. ER20-227-001. The Settlement resolves all issues set for hearing in this proceeding involving JCP&L's transmission formula rate under the PJM Open Access Transmission Tariff. Concurrent with the filing of the Settlement, JCP&L also filed a Motion to Implement Interim Settlement Rates and Request for Waivers and Expedited Consideration ("Motion") with the Chief ALJ. The Motion requested that the Chief Judge approve the implementation of a negotiated rate and revenue reduction on an interim basis from the date the interim rates go into effect through December 31, 2021, in order to provide customers certain benefits of the Settlement pending Commission review and approval of the Settlement. On February 9, 2021, as revised on February 22, 2021, the Chief Judge issued an order granting the Motion.<sup>5</sup> On March 8, 2021, Settlement Judge Patricia E. Hurt certified the Settlement to the Commission as uncontested.<sup>6</sup> The Commission subsequently issued the April 15 Order approving the Settlement.

## II. COMPLIANCE FILING

The April 15 Order directed JCP&L to make a compliance filing with revised tariff records in eTariff format within 30 days of the Commission's order. Accordingly, JCP&L submits herein in eTariff format the Settled Template and Protocols, comprised of the revised tariff records for Attachments H-4, H-4A, H-4B, and H-4C. These tariff records are identical to the *pro forma* tariff records included in the Settlement approved in the April 15 Order. Further, as directed in the April 15 Order, the tariff records submitted herein are being provided using a priority code higher than the priority code, 600, which used for the tariff records previously included with JCP&L's Motion filing in this proceeding.<sup>7</sup> In addition to this transmittal letter, this compliance filing includes clean and marked versions of the Settled Template and Protocols, which are identical to the *pro forma* tariff records included in the Settlement.

---

<sup>5</sup> *PJM Interconnection, L.L.C. and Jersey Cent. Power & Light Co.*, 174 FERC ¶ 63,014 (2021) and *PJM Interconnection, L.L.C. and Jersey Cent. Power & Light Co.*, 174 FERC ¶ 63,017 (2021).

<sup>6</sup> *PJM Interconnection, L.L.C. and Jersey Cent. Power & Light Co.*, 174 FERC ¶ 63,020 (2021).

<sup>7</sup> In the Chief Judge's February 22, 2021 order granting the Motion, the Chief Judge accepted Attachment H-4A on an interim basis. JCP&L is including this same Attachment H-4A in the instant compliance filing to comply with the Commission's directive that the *pro forma* tariff records included with the Settlement be filed in eTariff format in this compliance filing and the Commission's directive that these eTariff records use a higher priority code than the eTariff records included with the Motion. Other than the priority code, there are no substantive differences between the Attachment H-4A eTariff records accepted by the Chief Judge's February 22, 2021 order granting the Motion and the Attachment H-4A eTariff records submitted herein as part of this compliance filing.

The Honorable Kimberly D. Bose  
May 14, 2021  
Page 3

### III. REQUESTED EFFECTIVE DATE AND REQUEST FOR WAIVER

In accordance with the terms of the Settlement, JCP&L requests an effective date of January 1, 2020 for the Settled Template and Protocols.<sup>8</sup> To the extent necessary, JCP&L respectfully requests waiver of any applicable requirement of Part 35 of the Commission's regulations that is required to grant the requested effective date or is otherwise found not to be completely satisfied by this filing.

### IV. CONCLUSION

JCP&L respectfully requests that the Commission accept the Settled Template and Protocols for filing, effective January 1, 2020, in compliance with the April 15 Order. Should you have any questions regarding this settlement compliance filing, please contact the undersigned.

Respectfully submitted,

/s/ James C. Beh  
James C. Beh  
Serena A. Rwejuna

*Counsel for Jersey Central Power & Light  
Company*

Attachments

---

<sup>8</sup> Settlement Section 2.2. *See also Jersey Cent. Power & Light Co.*, 169 FERC ¶ 61,205 (2020) (accepting JCP&L's proposed tariff records for filing and suspending them for a nominal period to become effective January 1, 2020, subject to refund).

**CERTIFICATE OF SERVICE**

I hereby certify that I have this day caused to be served a copy of the foregoing document on all parties to this proceeding, as listed on the official service list compiled by the Commission Secretary.

Dated at Washington, DC, this 14th day of May, 2021.

/s/ Patricia T. Wingfield  
Patricia T. Wingfield

**ATTACHMENT H-4****Annual Transmission Rates -- Jersey Central Power & Light Company  
~~for Network Integration Transmission Service~~**

1. The transmission revenue requirements and the rates for Network Integration Transmission Service are equal to the results of the formula shown in Attachment H- 4A, and will be posted on the PJM website pursuant to Attachment H-4B (Formula Rate Protocols). The transmission revenue requirement and the rates reflect the cost of providing transmission service over the 34.5 kV delta and higher transmission facilities of Jersey Central Power & Light Company (“JCP&L”). Service utilizing facilities at voltages below 34.5 kV delta will be provided at rates determined on a case-by-case basis and stated in [Attachment H-4C as well as in](#) service agreements with affected customers.
2. The formula rate set forth in Attachment H-4A shall be calculated on the basis of projections, subject to true-up to actual data in accordance with the adjustment mechanism described in Attachment H-4B (Formula Rate Protocols).
3. The rates and revenue requirements in this attachment shall be effective until amended by JCP&L or modified by the Commission.
4. In addition to the rates set forth in paragraph 1 above, a Network Customer purchasing Network Integration Transmission Service shall pay for transmission congestion charges, in accordance with the provisions of the Tariff, and any amounts necessary to reimburse JCP&L for applicable sales, excise, “Btu,” carbon, value-added or similar taxes (other than taxes based upon or measured by net income) with respect to the amounts payable pursuant to the Tariff.

**ATTACHMENT H-4A**  
**Annual Transmission Rates -- Jersey Central Power & Light Company**  
**for Network Integration Transmission Service**

For PJM billings (on behalf of JCP&L), on an interim basis for rate year 2021, the Net Revenue Requirement for NITS and TEC will be an annual aggregate amount of \$182,720,888 for rate year 2021 prorated for the time period from the effective date of the interim rate reduction authorized by the Chief Administrative Law Judge in Docket No. ER20-227-000 through the end of calendar year 2021. This Net Revenue Requirement will be reflected in the following rate and revenues:

- Annual NITS Net Revenue Requirement (sourced from Attachment H-4A, page 1, line 10, column 5) to be \$161,318,343, resulting in an Annual NITS Rate (\$/MW/Yr) (sourced from Attachment H-4A, page 1, line 13, column 3) of \$27,327.27.
- TEC Project Revenues (TEC Project Names, RTEP Project Numbers, and TEC Revenues sourced from Attachment 11 to Attachment H-4A, lines 2a through 2d, column 14) to be \$21,402,545. The following breakout of these amounts is shown by project below:
  - Upgrade the Portland – Greystone 230 kV circuit (RTEP Project No. b0174) to be \$1,254,675;
  - Reconductor the 8 mile Gilbert – Glen Gardner 230 kV circuit (RTEP Project No. b0268) to be \$619,750;
  - Add a 2nd Raritan River 230/115 kV transformer (RTEP Project No. b0726) to be \$791,662; and
  - Build a new 230 kV circuit from Larrabee to Oceanview (RTEP Project No. b2015) to be \$18,736,458.

The above noted billings will replace the billings currently in effect that were set based on the JCP&L 2021 Projected Transmission Revenue Requirement (PTRR) that was posted November 2, 2020 for rates effective for calendar year 2021. These adjusted billings will remain in place for the balance of 2021 in accordance with the order of the Chief Administrative Law Judge in Docket No. ER20-227-000 on JCP&L's Motion to Implement Interim Settlement Rates and Request for Waivers and Expedited Consideration and the Settlement Agreement and the 2021 PTRR will not be amended or further adjusted upon the Commission approval of the Settlement Agreement and Settled Template.

Once the Settlement Agreement is approved by the Commission, all other aspects of the Settled Template will be utilized for subsequent rate updates including the JCP&L 2020 Actual Transmission Revenue Requirement (ATRR) that will be posted on June 10, 2021, the JCP&L 2022 PTRR that will be posted on November 1, 2021, and the JCP&L 2021 ATRR that will be posted on June 10, 2022. The utilization of the Settled Template for the 2020 and 2021 ATRRs and related resulting true-ups will ensure that the provisions of the Settlement Agreement are implemented for the full calendar years 2020 and 2021 thus ensuring the Settlement Agreement was applied from the retroactive effective date of January 1, 2020 forward.

The true-ups for calendar years 2020 and 2021 resulting from comparison of the ATRRs calculated with the Settled Template to the amounts billed that were calculated in accordance with

the originally filed template or interim rates approved by the Chief Administrative Law Judge will be refunded/collected with interest in the next rate update in accordance with the Settled Protocols. Further, all future rate years will reflect the Settled Template, as provided under Attachment H-4A.

**Service Below 34.5 kV delta**

~~As provided in Attachment H-4, section 1, service utilizing facilities at voltages below 34.5 kV delta to serve certain New Jersey municipal utilities will be provided at rates determined on a case-by-case basis and stated in existing NITS Agreements under Attachment F through the expiration of such agreements on May 31, 2019. Commencing on June 1, 2019, the rates for such service shall be as follows:~~

~~Borough of Butler, New Jersey: \$0.1121/kW Month~~

~~Borough of Lavallette, New Jersey: \$2.3784/kW Month~~

~~Borough of Madison, New Jersey: \$0.0570/kW Month~~

~~Borough of Pemberton, New Jersey: \$1.1081/kW Month~~

~~Borough of Seaside Heights, New Jersey: \$1.2459/kW Month~~

~~The above rates will be applied to the each of the New Jersey boroughs' monthly sixty (60) minute coincident billing demands measured at the time of JCP&L's system peak each month.~~

**Service Above 34.5 kV delta**

See attached formula.

Formula Rate - Non-Levelized

For the 12 months ended 12/31/XXXX

Rate Formula Template  
Utilizing FERC Form 1 Data

Jersey Central Power & Light  
(2)

Line No.	(1)	(2)	(3)	(4)	(5) Allocated Amount
1	GROSS REVENUE REQUIREMENT [page 3, line 1842, col 5]				
	REVENUE CREDITS	(Note <del>M4</del> )	Total	Allocator	
<del>26</del>	Revenue Credits from service provided by the ISO at a discount	Attachment 18, Line 9, Col. (E)		DA TP	10.00000
<del>37</del>	TEC Revenue	Attachment 11, Page 2, Line 3, Col. 12		DA TP	10.00000
<del>48</del>	TOTAL REVENUE CREDITS (sum lines 2- <del>37</del> )				
<del>59</del>	True-up Adjustment with Interest	Enter negative of (Attachment 13, Line 5028) enter negative			
<del>640</del>	NET REVENUE REQUIREMENT	(Line 1 - Line <del>48</del> + Line <del>59</del> )			
<del>7</del>	DIVISOR				Total
<del>844</del>	1 Coincident Peak (CP) (MW)			(Note A)	
<del>942</del>	Average 12 CPs (MW)			(Note <del>SCC</del> )	
<del>1043</del>	Annual Rate (\$/MW/Yr)	(line <del>640</del> / line <del>844</del> )	Total		
			Peak Rate Total		Off-Peak Rate Total
<del>114</del>	Point-to-Point Rate (\$/MW/Year)	(line <del>640</del> / line <del>942</del> )			
<del>125</del>	Point-to-Point Rate (\$/MW/Month)	(line <del>114</del> /12)			
<del>136</del>	Point-to-Point Rate (\$/MW/Week)	(line <del>114</del> /52)			
<del>147</del>	Point-to-Point Rate (\$/MW/Day)	(line <del>136</del> /5; line <del>136</del> /7)			
<del>158</del>	Point-to-Point Rate (\$/MWh)	(line <del>114</del> /4,160; line <del>114</del> /8,760)			

Formatted Table



Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

Jersey Central Power & Light

Line No.	(1)	(2)	(3)	(4)	(5)
		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>NU</u> & <u>OX</u> )		NA	
2	Transmission	Attachment 3, Line 14, Col. 2 (Notes <u>NU</u> & <u>OX</u> )		TP	0.00000
3	Distribution	Attachment 3, Line 14, Col. 3 (Notes <u>NU</u> & <u>OX</u> )		NA	
4	General & Intangible	Attachment 3, Line 14, Col. 4 & 5 (Notes <u>NU</u> & <u>OX</u> )		W/S	0.00000
5	-Common	Attachment 3, Line 14, Col. 6 (Notes <u>U</u> & <u>X</u> )		CE	0.00000
56	TOTAL GROSS PLANT (sum lines 1-45)			GP=	0.000%
	ACCUMULATED DEPRECIATION				
7	Production	Attachment 4, Line 14, Col. 1 (Notes <u>NU</u> & <u>OX</u> )		NA	
8	Transmission	Attachment 4, Line 14, Col. 2 (Notes <u>NU</u> & <u>OX</u> )		TP	0.00000
9	Distribution	Attachment 4, Line 14, Col. 3 (Notes <u>NU</u> & <u>OX</u> )		NA	
10	General & Intangible	Attachment 4, Line 14, Col. 4 & 5 (Notes <u>NU</u> & <u>OX</u> )		W/S	0.00000
11	-Common	Attachment 4, Line 14, Col. 6 (Notes <u>U</u> & <u>X</u> )		CE	0.00000
112	TOTAL ACCUM. DEPRECIATION (sum lines 7-101)				
	NET PLANT IN SERVICE				
13	Production	(line 1 - line 7)			
14	Transmission	(line 2 - line 8)		-	
15	Distribution	(line 3 - line 9)			
16	General & Intangible	(line 4 - line 10)			
17	-Common	(line 5 - line 11)			
178	TOTAL NET PLANT (sum lines 13-167)			NP=	0.000%
	ADJUSTMENTS TO RATE BASE				
1923	Accumulated Deferred Income Taxes Account No. 255 (enter negative)	Attachment 5, Line 19, Col. (J)5 (Notes C, DF) Enter Negative Attachment 14a, Line 146, Col. (SR)6 (Notes C & Y)		DA	1.00000
2024	Unfunded Reserves Plant-related (enter negative)	Attachment 19, Line 7, Col. (W) (Notes O & R)		DA	1.00000
21	FERC Approved Regulatory Assets and Liabilities	Attachment 14, Line 9, Col. 6 (Notes C & Y)		DA	1.00000
25	Unfunded Reserve Labor-related (enter negative)	Attachment 17, Line 3, Col. (W)4 (Notes O & P)216.b (Notes X & Z)		DA	1.00000
226	CWIP	Attachment 16, Line 15, Col. 7 (Notes <u>OX</u> & <u>BBB</u> )		DA	1.00000
237	Unamortized Abandoned Plant			DA	1.00000
248	TOTAL ADJUSTMENTS (sum lines 19-237)				
259	LAND HELD FOR FUTURE USE	214.x.d (Attachment 14a, Line 53, Col. S1) (Notes <u>EG</u> & <u>Y</u> )		DAFP	10.00000
2630	WORKING CAPITAL (Note <u>EH</u> )				
2731	CWC	1/8*(Page 3, Line 614 minus Page 3, Line 511) 227.8.e & 116.e (Attachment 14a, Line 43, Col. (S)2) (Notes <u>O</u> & <u>EY</u> )		DAFE	10.00000
2832	Materials & Supplies (Note <u>G</u> )	111.57.e (Attachment 14a, Line 23, Col. (S)3) (Notes <u>OB</u> & <u>Y</u> )		DAFP	10.00000
2933	Prepayments (Account 165)				
3034	TOTAL WORKING CAPITAL (sum lines 2731 - 2933)				
315	RATE BASE (sum lines 178, 248, 259, & 304)				

Formatted Table

Formatted Table

Formatted Table

Formatted Table

Formatted Table

Formatted Table

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

Jersey Central Power & Light  
(2)

Line No.	(1)	(2)	(3)	(4)	(5)
		Source	Company Total	Allocator	Transmission (Col 3 times Col 4)
1	O&M				
2	Operating Expenses:Transmission	321-112.b		FE	0.00000
3	Transmission Less LSE Expenses Included in Transmission O&M Accounts (Note W)	Attachment 20, Line 26, Col. (G)		DA	1.00000
3	PBOPs Expense Adjustment Less Account 565	Attachment 6, Line 11 (Note C) 321-06.b		DA	1.00000
4	A&C Less Account 566	Attachment 20, Line 41, Col (D) 321-07.b		DA	1.00000
6	Less FERC Annual Fees			W/S	0.00000
54	FERC Approved Reg. Asset/Liab. Amortizations Total Account 566 (sum lines 11 & 12, ties to 321-07.b)	Attachment 19, Line 7, Col. (Y) (Note R)		DA	1.00000
64	TOTAL OPERATING EXPENSES O&M (sum lines 2 through 54 less 2, 3, 4, 6, 7)				
7	DEPRECIATION AND AMORTIZATION EXPENSE				
84	Transmission	336.7.b (Note N)		TP	0.00000
94	General & Intangible	336.1.b.d.e.f & 336.10.b.d.e.f (Note N)		W/S	0.00000
17	Common	336.11.b (Note L)		CE	0.00000
108	Amortization of Abandoned Plant	Attachment 16, Line 15, Col. 5 (Note R-BB)		DA	1.00000
119	TOTAL DEPRECIATION (sum lines 84-108)				
12	TOTAL OTHER TAXES OTHER THAN INCOME TAXES (Note J)	Attachment 7, line 2, Col. (E)		DA	1.00000
	LABOR RELATED				
13	INCOME TAXES	(Note G)			
28	$T = 1 - (((1 - SFT) * (1 - FIT)) / (1 - SFT * FIT * p)) =$		0.00%		
29	$CIT = (T * T) * (1 - (WCLTD * R)) =$		0.00%		
	where WCLTD (page 4, line 22) and R (page 4, line 25)				
	and FIT, SFT & p are as given in footnote K				
30	$1 / (1 - T) =$ (from line 29)				
31	Amortized Investment Tax Credit (266.9.f) (enter negative)				
32	Tax Effect of Permanent Differences and AFUDC Equity (Attachment 15, Line 1, Col. 3) (Notes D)				
33	(Excess) Deficient Deferred Income Taxes (Attachment 15, Lines 2 & 3, Col. 3) (Notes E)				
34	Income Tax Calculation = line 20 * line 30			NA	
35	ITC adjustment (line 30 * line 31)			NP	0.00000
36	Permanent Differences and AFUDC Equity Tax Adjustment (line 30 * line 32)			DA	+0.00000
37	(Excess) Deficient Deferred Income Tax Adjustment (line 30 * line 31)			DA	+0.00000
143	Total Income Taxes	Attachment 15, Line 22 sum lines 34 through 37		DA	1.00000
153	RETURN	[Rate Base (page 2, line 315) * Rate of Return (page 4, line 218, col. 6)]		NA	
164	GROSS REV. REQUIREMENT (WITHOUT INCENTIVE)	(sum lines 64, 119, 122, 143, 153)			
174	ADDITIONAL INCENTIVE REVENUE	Attachment 11, Page 2, Line 4, Col. 11 (Note QAA)			
184	GROSS REV. REQUIREMENT	(line 164 + line 174)			

Formatted Table

Formatted Table

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

Jersey Central Power & Light  
SUPPORTING CALCULATIONS AND NOTES

(1) (2) (3) (4) (5) (6)

Line No.						
<b>TRANSMISSION PLANT INCLUDED IN ISO RATES</b>						
1	Total transmission plant (page 2, line 2, column 3)					
2	Less transmission plant excluded from ISO rates (Note <a href="#">HM</a> )					
3	Less transmission plant included in OATT Ancillary Services (Note <a href="#">IN</a> )					
4	Transmission plant included in ISO rates (line 1 less lines 2 & 3)					
5	Percentage of transmission plant included in ISO Rates (line 4 divided by line 1)				TP=	
<b>TRANSMISSION EXPENSES</b>						
6	Total transmission expenses ( <a href="#">Attachment 20, Line 26, Col. C</a> ) ( <del>page 3, line 1, column 3</del> )					
7	Less transmission expenses included in OATT Ancillary Services (Note <a href="#">BL</a> )					
8	Included transmission expenses (line 6 less line 7)					
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)					0.00000
10	Percentage of transmission plant included in ISO Rates (line 5)				TP	0.00000
11	Percentage of transmission expenses included in ISO Rates (line 9 times line 10)				TE=	0.00000
<b>WAGES &amp; SALARY ALLOCATOR (W&amp;S)</b>						
		Form 1 Reference	\$	TP	Allocation	
12	Production	354.20.b	-	0.00	-	
13	Transmission	354.21.b		0.00		
14	Distribution	354.23.b		0.00		
15	Other	354.24,354.25,354.26. b		0.00		
16	Total (sum lines 12-15)					= $\frac{0.00000}{0.00000}$ = WS
<b>RETURN (R)</b>						
			\$			\$
<a href="#">17</a>	Preferred Dividends (118.29c) (positive number)					-
			\$	%	Cost (Note <a href="#">KE</a> )	Weighted
<a href="#">18</a>	Long Term Debt ( <del>112.24-e</del> ) (Attachment 8, Line 14, Col. 7) (Note <a href="#">O</a> )					=WCLTD
<a href="#">19</a>	Preferred Stock (112.3d) (Attachment 8, Line 14, Col. 2) (Note <a href="#">O</a> )					
<a href="#">20</a>	Common Stock Attachment 8, Line 14, Col. 6) (Note <a href="#">O</a> )				0.10290	
<a href="#">21</a>	Total (sum lines <a href="#">18</a> - <a href="#">20</a> )					=R
<b>REVENUE CREDITS</b>						
	ACCOUNT 447 (SALES FOR RESALE)	(310-311)		(Note <a href="#">LQ</a> )		
<a href="#">22</a>	a. Bundled Non-RQ Sales for Resale (311.x.h)					
<a href="#">23</a>	b. Bundled Sales for Resale included in Divisor on page 1					
<a href="#">24</a>	Total of (a)-(b)					

Formatted Table

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

Jersey Central Power & Light

General Note: References to pages in this formulary 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 ~~Removes dollar amount of transmission expenses included in the OATT ancillary services rates, including Account Nos. 561.1 - 561.3, and 561.X, 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. 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.~~
- DF 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 GK. Account 281 is not allocated.
- EG Identified in Form 1 as being only transmission related.
- EH ~~Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at page 3, line 14, column 5 minus amortization of regulatory assets (page 3, 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. Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at page 3, line 6, column 5 minus amortization of regulatory assets (page 3, line 5, col. 5). Total company Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111, line 57 in the Form 1. JCP&L to include transmission prepayments only.~~
- I ~~Line 7 - EPR1 Annual Membership Dues listed in Form 1 at 353.f, all Regulatory Commission Expenses itemized at 354.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 354.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.~~
- GK 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 30).  

Inputs Required:	FIT=	0.00%	
	SIT=	0.00%	(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.~~
- JM 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).
- JN 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.
- JO Enter dollar amounts
- KP Debt cost rate = Attachment 10, Column (j) total. Preferred cost rate = preferred dividends (line 21) / preferred outstanding (line 23). ~~No change in ROE may be made absent a filing with FERC under Section 205 or Section 206 of the Federal Power Act. Per the Settlement Agreement in Docket No. ER20-227-000, JCP&L's stated ROE is set to 10.20% (9.7% base ROE plus 50 basis point adder for RTO participation). ROE will be supported in the original filing and no change in ROE may be made absent a filing with FERC.~~
- LQ Line 22~~s~~ 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.~~
- MF ~~The revenues credited on page 1, Line 2 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 3 is supported by its own reference. The revenues credited on page 1, lines 2-6 shall include only the amounts received directly (in the case of grandfathered agreements) or from the ISO (for service under this tariff) reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, ancillary services, or facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template. The revenue on line 7 is supported by its own reference.~~
- NU Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation and Account 405 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.
- QX Calculate using a 13 month average balance.
- Y Calculate using average of beginning and end of year balance.
- PZ Includes only CWIP authorized by the Commission for inclusion in rate base.
- QAA 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.

[RBB](#) ~~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. Unamortized Abandoned Plant, Amortization of Abandoned Plant, and Regulatory assets and liabilities will be zero until the Commission accepts or approves recovery or refund. Utility must submit a Section 205 filing to recover or refund.~~

[SCC](#) Peak as would be reported on page 401, column d of Form 1 at the time of the zonal peak for the twelve month period ending October 31 of the calendar year used to calculate rates. The projection year will utilize the most recent preceding 12-month period at the time of the filing.

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

**Schedule 1A Rate Calculation**

1	\$	Attachment <a href="#">20H-4A, Page 4</a> , Lines 2+3+4, Col. C7
2	\$	Revenue Credits for Sched 1A - Note A
3	\$	Net Schedule 1A Expenses (Line 1 - Line 2)
4		Annual MWh in JCP&L Zone - Note B
5	\$	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

Return Calculation		Source Reference	
1	Rate Base		Attachment H-4A, page 2, Line 315, Col. 5
2	Preferred Dividends	enter positive	Attachment H-4A, page 4, Line 1724, Col. 6
	Common Stock		
3	Proprietary Capital		Attachment 8, Line 14, Col. 1
4	Less Preferred Stock		Attachment 8, Line 14, Col. 2
5	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 4
6	Less Account 216.1 & Goodwill		Attachment 8, Line 14, Col. 3&5
7	Common Stock		Attachment 8, Line 14, Col. 6
	Capitalization		
8	Long Term Debt		Attachment H-4A, page 4, Line 1822, Col. 3
9	Preferred Stock		Attachment H-4A, page 4, Line 1922, Col. 3
10	Common Stock		Attachment H-4A, page 4, Line 204, Col. 3
11	Total Capitalization		Attachment H-4A, page 4, Line 215, Col. 3
12	Debt %	Total Long Term Debt	Attachment H-4A, page 4, Line 1822, Col. 4
13	Preferred %	Preferred Stock	Attachment H-4A, page 4, Line 1922, Col. 4
14	Common %	Common Stock	Attachment H-4A, page 4, Line 204, Col. 4
15	Debt Cost	Total Long Term Debt	Attachment H-4A, page 4, Line 1822, Col. 5
16	Preferred Cost	Preferred Stock	Attachment H-4A, page 4, Line 1922, Col. 5
17	Common Cost	Common Stock	0.10280
18	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 12*Line 15)
19	Weighted Cost of Preferred	Preferred Stock	(Line 13*Line 16)
20	Weighted Cost of Common	Common Stock	(Line 14*Line 17)
21	Rate of Return on Rate Base ( ROR )		(Sum Lines 18 to 20)
22	Investment Return = Rate Base * Rate of Return		(Line 1*Line 21)

Income Taxes		Source Reference	
<b>Income Tax Rates</b>			
23	$T = 1 - \frac{(1 - SIT) * (1 - FIT)}{(1 - SIT * FIT * p)}$		Attachment H-4A, page 3, Line 28, Col. 3; Attachment 15, line 8
24	$CI = (T/1-T) * (1 - WCLTD/R)$		Calculated
25	$1 / (1 - T)$ = (from line 23)		Attachment H-4A, page 3, line 20, Col. 3
26	Amortized Investment Tax Credit (266.8.f) (enter negative)		Attachment 15, line 17; Attachment H-4A, page 3, Line 31, Col. 3
27	Tax Effect of Permanent Differences and AFUDC Equity		Attachment H-4A, page 3, Line 32, Col. 3; Attachment 15, line 16
28	(Excess)Deficient Deferred Income Taxes		Attachment 15, line 18; Attachment H-4A, page 3, Line 33, Col. 3
29	Income Tax Calculation		(Line 22*Line 24)
30	ITC adjustment		Line 25 * Line 26 * GP; Attachment H-4A, page 3, Line 35, Col. 5
31	Permanent Differences and AFUDC Equity Tax Adjustment		Attachment H-4A, page 3, Line 36, Col. 5; Line 25 * Line 27
32	(Excess)Deficient Deferred Income Tax Adjustment		Attachment H-4A, page 3, Line 37, Col. 5; Line 25 * Line 28
33	Total Income Taxes		Sum Lines 29 to 32

Increased Return and Taxes		Source Reference	
34	Return and Income taxes with increase in ROE		(Line 22 + Line 33)
35	Return without incentive adder		Attachment H-4A, Page 3, Line 1529, Col. 5
36	Income Tax without incentive adder		Attachment H-4A, Page 3, Line 1438, Col. 5
37	Return and Income taxes <u>without</u> increase in ROE		Line 35 + Line 36
38	Return and Income taxes with increase in ROE		Line 34
39	Incremental Return and incomes taxes for increase in ROE		Line 38 - Line 37
40	Rate Base		Line 1
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.

Attachment H-4A, Attachment 3  
page 1 of 1  
For the 12 months ended 12/31/XXXX

Gross Plant Calculation

		[1] Production	[2] Transmission	[3] Distribution	[4] Intangible	[5] General	[6] <del>Common</del>	[67] Total
1	December	20XX						
2	January	20XX						
3	February	20XX						
4	March	20XX						
5	April	20XX						
6	May	20XX						
7	June	20XX						
8	July	20XX						
9	August	20XX						
10	September	20XX						
11	October	20XX						
12	November	20XX						
13	December	20XX						

14 13-month Average [A] [C]

			Production	Transmission	Distribution	Intangible	General	<del>Common</del>	Total
		[B]	205.46.g	207.58.g	207.75.g	205.5.g	207.99.g	356.1	
15	December	20XX							
16	January	20XX							
17	February	20XX							
18	March	20XX							
19	April	20XX							
20	May	20XX							
21	June	20XX							
22	July	20XX							
23	August	20XX							
24	September	20XX							
25	October	20XX							
26	November	20XX							
27	December	20XX							

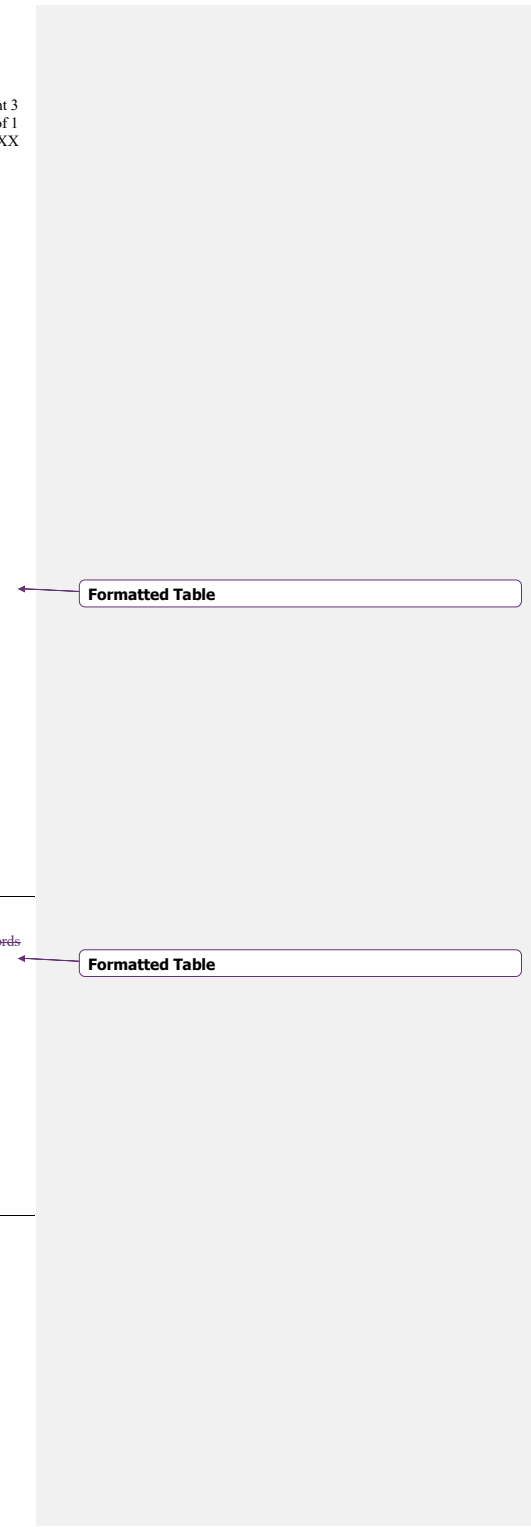
28 13-month Average

			Production	Transmission	Distribution	Intangible	General	<del>Common</del>	Total
		[B]	205.44g	207.57.g	207.74.g	company records	207.98.g	Company-Records	
29	December	20XX							
30	January	20XX							
31	February	20XX							
32	March	20XX							
33	April	20XX							
34	May	20XX							
35	June	20XX							
36	July	20XX							
37	August	20XX							
38	September	20XX							
39	October	20XX							
40	November	20XX							
41	December	20XX							

42 13-month Average

Notes:

- [A] Taken to Attachment H-4A, page 2, lines 1-46, Col. 3
- [B] Reference for December balances as would be reported in FERC Form 1.
- [C] Balance excludes Asset Retirements Costs



Formatted Table

Formatted Table



Accumulated Depreciation Calculation

	[1] Production	[2] Transmission	[3] Distribution	[4] Intangible	[5] General	[6] Common	[6] Total
1	December	20XX					
2	January	20XX					
3	February	20XX					
4	March	20XX					
5	April	20XX					
6	May	20XX					
7	June	20XX					
8	July	20XX					
9	August	20XX					
10	September	20XX					
11	October	20XX					
12	November	20XX					
13	December	20XX					
14	13-month Average	[A] [C]					

		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	20XX						
16	January	20XX						
17	February	20XX						
18	March	20XX						
19	April	20XX						
20	May	20XX						
21	June	20XX						
22	July	20XX						
23	August	20XX						
24	September	20XX						
25	October	20XX						
26	November	20XX						
27	December	20XX						
28	13-month Average							

		Production	Transmission	Distribution	Intangible	General	Common
	[B]	Company Records	Company Records	Company Records	Company Records	Company records	Company Records
29	December	20XX					
30	January	20XX					
31	February	20XX					
32	March	20XX					
33	April	20XX					
34	May	20XX					
35	June	20XX					
36	July	20XX					
37	August	20XX					
38	September	20XX					
39	October	20XX					
40	November	20XX					
41	December	20XX					
42	13-month Average	-	-	-	-	-	-

Notes:

- [A] Taken to Attachment H-4A, page 2, lines 7-10, 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

Formatted Table

Formatted Table

	{1}	{2}	{3}	{4}	{5}	{6}
	Acct. No. 281 (enter negative)	Acct. No. 282 (enter negative)	Acct. No. 283 (enter negative)	Acct. No. 190	Acct. No. 255 (enter negative)	Total

1 December 31 20XX -

	Acct. No. 281	Acct. No. 282	Acct. No. 283	Acct. No. 190	Acct. No. 255	Total
--	---------------	---------------	---------------	---------------	---------------	-------

2 December 31 20XX [G] -

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:

	20XX	FAS 143-ARO	FAS 106	FAS 109	CIAC	Normalization [E]
[C] FERC Account No. 283 is adjusted for the following items:						

	20XX	FAS 143-ARO	FAS 106	FAS 109	CIAC	Normalization [E]
[D] FERC Account No. 190 is adjusted for the following items:						

	20XX	FAS 143-ARO	FAS 106	FAS 109	CIAC	Normalization [E]

[E] See Attachment H-4A, page 5, note K; A utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f).

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

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





	(Note F)	(page 1, col. K)	(col. 2 + col. 3) (Note E)
4	ADIT-282 From Account Subtotal Below		
2	ADIT-283 From Account Subtotal Below		
3	ADIT-190 From Account Subtotal Below		
4	ADIT-281 From Account Subtotal Below		
5	ADIT-255 From Account Subtotal Below		
<hr/>			
	Total (sum rows 1-5)		

**Jersey Central Power & Light**  
**Summary of Transmission ADIT (Prior to adjusted items)**

Line	A	B	C	D	E	F
	End-Plant Related	End-Labor Related	Plant & Labor Subtotal	Gross-Plant Allocator	Wages & Salary Allocator	End-Plant & Labor-Related ADIT
	(Note A)	(Note B)	Col. A + Col. B	(Note C)	(Note D)	(Col. A * Col. D) + (Col. B * Col. E)
4	ADIT-282 From Account Total Below					
2	ADIT-283 From Account Total Below					
3	ADIT-190 From Account Total Below					
4	ADIT-281 From Account Total Below					
5	ADIT-255 From Account Total Below					
<hr/>						
6	<b>Subtotal</b>					

- Notes
- A From column F (beginning on page 2)
  - B From column G (beginning on page 2)
  - C Refers to Attachment H 4A, page 2, line 6, col. 4
  - D Refers to Attachment H 4A, page 4, line 16, col. 6
  - E Total Transmission Ending taken to Attachment 5, line 2
  - F From column F (beginning on page 2) by account

For the 12 months ended 12/31/XXXX

A	B	C	D	E	F	G	JUSTIFICATION
ADIT-190	End-of-Year Balance p234.18.e	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	
Subtotal							

Jersey Central Power & Light

**Instructions for Account 190:**

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







A	B	C	D	E	F	G	JUSTIFICATION
ADIT-281	End-of-Year Balance p273.8.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	
Jersey Central Power & Light							
Subtotal							

**Instructions for Account 281:**

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

Attachment H 4A, Attachment 5a  
 page 6 of 6  
 For the 12 months ended 12/31/XXXX

A	B	C	D	E	F	G	JUSTIFICATION
ADIT-255	Jersey Central Power & Light						
	End-of-Year Balance p267.h	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	
Subtotal							

**Instructions for Account 255:**

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

Formatted: Left, Space After: 10 pt, Line spacing: Multiple 1.15 li

Attachment H-4A, Attachment 5ab  
[PTRR Proration](#)  
 page 1 of 1  
 For the 12 months ended 12/31/XXXX

Line		A	B	C	20XX Quarterly Activity and Balances				I	
					D	E	F	G	H	
1	PTRR	Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
2	PTRR	Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
3	PTRR	Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
4	PTRR	Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
5	PTRR	Beginning 283 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
6	PTRR	Beginning 283 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	

20XX PTRR

Line	Account	J	K	L	M	N	O	P
		Estimated Ending Balance (Before Adjustments)	Page 1, B+D+F+H Projected Activity	Page 1, row 2,4,6 Column A+B+D+F+H Prorated Ending Balance	J-L Prorated – Estimated End (Before Adjustments)	Sum of end ADIT Adjustments	M-N Normalization	Line 7= J-N-O Lines 8-9= - J+N+O Ending ADIT Balance Included in Formula Rate
7	PTRR Total Account 190							
8	PTRR Total Account 282							
9	PTRR Total Account 283							
10	PTRR Total ADIT Subject to Normalization							

Notes:

- Attachment 5b will only be populated within the PTRR.
- [Normalization is calculated using transmission ADIT balances/adjustments only.](#)



Attachment H-4A, Attachment 5be  
[ATRR Proration](#)  
 page 2 of 2  
 For the 12 months ended 12/31/XXXX

20XX PTRR

Line	Account	A Estimated Ending Balance (Before Adjustments)	B Page 1, B+D+F+H Projected Activity	C Page 1, row 3,7,11 Column A+B+D+F+H Prorated Ending Balance	D A-C Prorated - Estimated End (Before Adjustments)	E Sum of end ADIT Adjustments	F D-E Normalization	G Line 1= A-E-F Lines 2-3 =A+E+F Ending ADIT Balance Included in Formula Rate
------	---------	--	--	---	--	--	---------------------------	--

1	PTRR Total Account 190							
2	PTRR Total Account 282							
3	PTRR Total Account 283							
4	PTRR Total ADIT Subject to Normalization							

20XX ATRR

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

5	ATRR Total Account 190							
6	ATRR Total Account 282							
7	ATRR Total Account 283							
8	ATRR Total ADIT Subject to Normalization							

Notes:

- Attachment 5c will only be populated within the ATRR
- Normalization is calculated using the transmission ADIT balances/adjustments only.

Attachment H-4A, Attachment 6  
page 1 of 1  
For the 12 months ended 12/31/XXXX

Formatted: Left: 0.5", Right: 0.5", Top: 0.5", Bottom: 0.5"

1 **Calculation of PBOP Expenses**

<u>JCP&amp;L</u>	<u>Amount</u>	<u>Source</u>
3 Total FirstEnergy PBOP expenses	-\$155,537,000	FirstEnergy 2018 Actuarial Study
4 Labor dollars (FirstEnergy)	\$2,363,633,077	FirstEnergy 2018 Actual: Company Records
5 cost per labor dollar (line 3 / line 4)	-\$0.0658	
6 labor (labor not capitalized) current year, transmission only	[Redacted]	JCP&L Labor: Company Records
7 PBOP Expense for current year (line 5 * line 6)		
8 PBOP expense in Account 926 for current year, total company	[Redacted]	JCP&L Account 926: Company Records
9 W&S Labor Allocator		
10 Allocated Transmission PBOP (line 8 * line 9)		
11 PBOP Adjustment for Attachment H-4A, page 3, line 39 (line 7 - line 10)		
12 Lines 3-4 cannot change absent a Section 205 or 206 filing approved or accepted by FERC in a separate proceeding		

Attachment H 4A, Attachment 7  
 page 1 of 1  
 For the 12 months ended 12/31/XXXX

**Taxes Other than Income Calculation**

Formatted Table

	[A]	Dec 31, XXXX
<b>1 Payroll Taxes</b>		
1a	263.1	
1b	263.1	
1c	263.1	
1d	263.1	
1z	<b>Payroll Taxes Total</b>	
<b>2 Highway and Vehicle Taxes</b>		
2a	263.1	
2z	<b>Highway and Vehicle Taxes</b>	
<b>3 Property Taxes</b>		
3a	263.1	
3b	263.1	
3c	263.1	
3d	263.1	
3z	<b>Property Taxes</b>	
<b>4 Gross Receipts Tax</b>		
4a	263.1	
4z	<b>Gross Receipts Tax</b>	
<b>5 Other Taxes</b>		
5a	263.1	
5b	263.1	
5c	263.1	
5d		
5z	<b>Other Taxes</b>	
<b>6z Payments in lieu of taxes</b>		

7 Total other than income taxes (sum lines 1z, 2z, 3z, 4z, 5z, 6z)  
 [tie to H4.14c]

Notes:

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





Attachment H-4A, Attachment 8  
page 1 of 1  
For the 12 months ended 12/31/XXXX

**Capital Structure Calculation**

		[1]	[2]	[3]	[4]	[5]	[6]	[7]
		Proprietary Capital	Preferred Stock	Account 216.1	Account 219	Goodwill	Common Stock	Long Term Debt
		112.16.c	112.3.c	112.12.c	112.15.c	233.XX5.f	(1) - (2) - (3) - (4) - (5)	112.18-2124.c
1	December 20XX	[A]						
2	January 20XX							
3	February 20XX							
4	March 20XX							
5	April 20XX							
6	May 20XX							
7	June 20XX							
8	July 20XX							
9	August 20XX							
10	September 20XX							
11	October 20XX							
12	November 20XX							
13	December 20XX							
14	13-month Average							

**Formatted:** Font: Bold, Font color: Accent 6

Notes:

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

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

### Stated Value Inputs

#### Formula Rate Protocols Section VIII.A

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

JCP&L's stated ROE is set to: 10.28%

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

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

Total FirstEnergy PBOP expenses	-\$155,537,000
Labor dollars (FirstEnergy)	\$2,363,633,077
Cost per labor dollar	-\$0.0658

##### 3. Depreciation Rates [1][2]

FERC Account	Depr %
350.2	1.53%
352	1.14%
353	2.2843%
354	0.83%
355	1.8195%
356	2.1445%
356.1	1.049%
357	1.329%
358	1.6788%
359	1.10%
389.2	3.92%
390.1	1.51%
390.2	0.46%
391.1	4.00%
391.15	5.00%
391.2	20.00%
391.25	20.00%
392	3.84%
393	3.33%
394	4.00%
395	5.00%
396	3.03%
397	5.00%
398	5.00%

Note:

[1] Account 303 amortization period is 7 years.

[2] Accounts 391.10, 391.15, 391.20, 391.25, 393, 394, 395, 397, and 398 have an unrecovered reserve to be amortized over 5 years separately from the assets in these accounts beginning January 1, 2020 through December 31, 2025; [Per the Settlement Agreement in Docket No. ER20-227-000.](#)

**Debt Cost Calculation**

**TABLE 1: Summary Cost of Long Term Debt**

**CALCULATION OF COST OF DEBT**

**YEAR ENDED 12/31/20XX**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
	t=N Issue Date	Maturity Date	ORIGINAL ISSUANCE (table 2, col. cc)	Net Proceeds At Issuance (table 2, col. gg <sup>hh</sup> )	Net Amount Outstanding at t=N	Months Outstanding at t=N	Average Net Outstanding in Year* z* ((col e. * col. F)/12)	Weighted Outstanding Ratios (col. g/col. g total)	Effective Cost Rate (Table 2, Col. kk <sup>ll</sup> ) H)	Weighted Debt Cost at t = N (h) * (i)
<b>Long Term Debt Cost at Year Ended:</b>	12/31/20XX									
First Mortgage Bonds:										
(1)										
(2)										
(3)										
(4)										
(5)										
										**

t = time  
The current portion of long term debt is included in the Net Amount Outstanding at t = N in these calculations.  
The outstanding amount (column (e)) for debt retired during the year is the outstanding amount at the last month it was outstanding.  
\* z = Average of monthly balances for months outstanding during the year (average of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month).  
Interim (individual debenture) debt cost calculations shall be taken to four decimals in percentages (7.2300%, 5.2582%); Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (7.03%).

\*\* This Total Weighted Average Debt Cost will be shown on page 4, line 1822, column 5 of formula rate Attachment H-4A.

**TABLE 2: Effective Cost Rates For Traditional Front-Loaded Debt Issuances:**

**YEAR ENDED 12/31/20XX**

	(aa)	(bb)	(cc)	(dd)	(ee)	(ff)	(gg)	(gg <sup>hh</sup> )	(hh <sup>ii</sup> )	(iii)	(jjj <sup>kk</sup> )	(kk <sup>ll</sup> )		
	Long Term Debt Issuances	Affiliate	Issue Date	Maturity Date	Amount Issued	(Discount) Premium at Issuance	Issuance Expense	Loss/Gain on Recquired Debt	Less-Related ADIT	Net Proceeds (col. cc + col. dd - col. ee - col. ff)	Net Proceeds Ratio ((col. gg <sup>hh</sup> / col. cc) * 100)	Coupon Rate Percentage (%)	Annual Interest (col. cc * col. ijj) Interest	Effective Cost Rate* (Yield to Maturity at Issuance, t = 0)
(1)														
(2)														
(3)														
(4)														
(5)														
	TOTALS													

\* YTM at issuance calculated from an acceptable bond table or from YTM = Internal Rate of Return (IRR) calculation  
Effective Cost Rate of Individual Debenture (YTM at issuance): the t=0 Cashflow C<sub>0</sub> equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows (C<sub>t=1</sub>, C<sub>t=2</sub>, etc.).

Formatted Table

Formatted Table

**Transmission Enhancement Charge (TEC) Worksheet**  
To be completed in conjunction with Attachment H-4A

Line No.	(1)	(2) Reference	(3) Transmission	(4) Allocator
1	Gross Transmission Plant - Total	Attach. H-4A, p. 2, line 2, col. 5 (Note A)		
2	Net Transmission Plant - Total	Attach. H-4A, p. 2, line 14, col. 5 (Note B)		
<b>O&amp;M EXPENSE</b>				
3	Total O&M Allocated to Transmission	Attach. H-4A, p. 3, line 614, col. 5		
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col. 3)		
<b>GENERAL &amp; INTANGIBLE, AND COMMON (G &amp; I- &amp; C) DEPRECIATION EXPENSE</b>				
5	Total G & I- & C depreciation expense	Attach. H-4A, p. 3, lines 216 & 17, col. 5		
6	Annual allocation factor for G & I- & C depreciation expense	(line 5 divided by line 1, col. 3)		
<b>TAXES OTHER THAN INCOME TAXES</b>				
7	Total Other Taxes	Attach. H-4A, p. 3, line 1127, col. 5		
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col. 3)		
9	<b>Annual Allocation Factor for Expense</b>	<b>Sum of line 4, 6, &amp; 8</b>		
<b>INCOME TAXES</b>				
10	Total Income Taxes	Attach. H-4A, p. 3, line 1338, col. 5		
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col. 3)		
<b>RETURN</b>				
12	Return on Rate Base	Attach. H-4A, p. 3, line 1439, col. 5		
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col. 3)		
14	<b>Annual Allocation Factor for Return</b>	<b>Sum of line 11 and 13</b>		

Columns 5-9 (page 1) only applies with incentive ROE project(s) (Note F)

Line No.	(5)	(6)	(7) Reference	(8) Transmission	(9) Allocator
<b>INCOME TAXES</b>					
10b	Total Income Taxes		Attachment 2, line 33		
11b	Annual Allocation Factor for Income Taxes		(line 10b divided by line 2, col. 3)		
<b>RETURN</b>					
12b	Return on Rate Base		Attachment 2, line 22		
13b	Annual Allocation Factor for Return on Rate Base		(line 12b divided by line 2, col. 3)		
14b	<b>Annual Allocation Factor for Return</b>		<b>Sum of line 11b and 13b</b>		
15	<b>Additional Annual Allocation Factor for Return</b>		<b>Line 14 b, col. 9 less line 14, col. 4</b>		

**Transmission Enhancement Charge (TEC) Worksheet**  
To be completed in conjunction with Attachment H-4A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
Line No.	Project Name	RTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	Additional Incentive Annual Allocation	Total Annual Revenue Requirement	True-up Adjustment	Net Revenue Requirement
1			(Page 1, line 9) (Note C & H)	(Col. 3 * Col. 4)	(Note D & H)	Page 1, line 14	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8, & 9)	(Col. 6 * Page 1, line 15, Col. 9)	(Sum Col. 10 & 11)	(Note G)	(Sum Col. 12 & 13)	

3 Transmission Enhancement Credit taken to Attachment H-4A Page 1, Line [3, Col. 37](#)  
4 Additional Incentive Revenue taken to Attachment H-4A, Page 3, Line [1644](#)

Notes

- A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-4A.
- B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-4A.
- C Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1 above. This value includes subsequent capital investments required to maintain the project in-service.
- D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- E Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment H-4A, page 3, line [845](#).
- F Any actual ROE incentive must be approved by the Commission
- G True-up adjustment is calculated on the project true-up schedule, attachment 12 column j
- H Based on a 13-month average

Attachment H-4A, Attachment 11a  
 page 1 of 2  
 For the 12 months ended 12/31/XXXX

**TEC Worksheet Support**  
 Net Plant Detail

Line No.	Project Name	RTEP Project Number	Project Gross Plant	Dec-XX	Jan-XX	Feb-XX	Mar-XX	Apr-XX	May-XX	Jun-XX	Jul-XX	Aug-XX	Sep-XX	Oct-XX	Nov-XX	Dec-XX
			(Note A)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)

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 13-month average. [B] Company records

TEC Worksheet Support  
Net Plant Detail

Accumulated Depreciation	Dec-XX	Jan-XX	Feb-XX	Mar-XX	Apr-XX	May-XX	Jun-XX	Jul-XX	Aug-XX	Sep-XX	Oct-XX	Nov-XX	Dec-XX	Project Net Plant
(Note C)B	(Note B)D	(Note B)D	(Note B)D	(Note B)D	(Note B)D	(Note B)D	(Note B)D	(Note B)D	(Note B)D	(Note B)D	(Note B)D	(Note B)D	(Note B)D	(Note C)B & (D)E

NOTE

[B] Company records Utilizing a 13-month average [C] Utilizing a 13-month average Taken to Attachment 11, Page 2, Col. 6 [D] Taken to Attachment 11, Page 2, Col. 6 Company records

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

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

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
Line No.	Project Name	RTEP Project Number	Actual Revenues for Attachment 11	Projected Annual Revenue Requirement	% of Total Revenue Requirement	Revenue Received	Actual Annual Revenue Requirement	True-up Adjustment Principal Over/(Under)	Applicable Interest Rate on Over/(Under)	Total True-up Adjustment with Interest Over/(Under)
				<a href="#">PTRR (True-up Vintage) Projected</a>			<a href="#">ATRR (True-up Vintage) actual</a>		Col. H line 2x / Col. H line 3*	Col. h + Col. i
		<a href="#">Attachment 13b line 26, Col. E</a>		Attachment 11 p 2 of 2, col. 14	Col d, line 2 / col. d, line 3	Col c, line 1 * Col e	Attachment 11 p 2 of 2, col. 14	Col. f - Col. G	Col. J line 4	
1	[A] Actual RTEP Credit Revenues for true-up year		0							
2a	Project 1			-	-	-	-	-		
2b	Project 2			-	-	-	-	-		
2c	Project 3			-	-	-	-	-		
3	Subtotal			-	-	-	-	-		
4	Total Interest (Sourced from Attachment 13a, line <a href="#">4930</a> )									-

Formatted Table

NOTE

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



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

**Net Revenue Requirement True-up with Interest**

	Reconciliation Revenue Requirement For Year 20XX Available June 10, 20XX	-	20XX Revenue Requirement Collected by PJM Based on Forecast filed on Oct 31, 20XX	=	True-up Adjustment Over (Under) Recovery	
1	\$0		\$0		\$0	

	Over (Under) Recovery Plus Interest	Average Monthly	Months	Calculated Interest	Amortization	Surecharge (Refund) Owed
2	Interest Rate on Amount of Refunds or Surecharges [A]	0.0000%				
An over-or-under collection will be recovered prorata over 20XX, held for 20XX and returned prorata over 20XX						
<b>Calculation of Interest</b>				<b>Monthly</b>		
3	January	Year 20XX	-	0.0000%	12	-
4	February	Year 20XX	-	0.0000%	11	-
5	March	Year 20XX	-	0.0000%	10	-
6	April	Year 20XX	-	0.0000%	9	-
7	May	Year 20XX	-	0.0000%	8	-
8	June	Year 20XX	-	0.0000%	7	-
9	July	Year 20XX	-	0.0000%	6	-
10	August	Year 20XX	-	0.0000%	5	-
11	September	Year 20XX	-	0.0000%	4	-
12	October	Year 20XX	-	0.0000%	3	-
13	November	Year 20XX	-	0.0000%	2	-
14	December	Year 20XX	-	0.0000%	1	-
				<b>Annual</b>		
15	January through December	Year 20XX	-	0.0000%	12	-
<b>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</b>				<b>Monthly</b>		
16	January	Year 20XX	-	0.0000%	-	-
17	February	Year 20XX	-	0.0000%	-	-
18	March	Year 20XX	-	0.0000%	-	-
19	April	Year 20XX	-	0.0000%	-	-
20	May	Year 20XX	-	0.0000%	-	-
21	June	Year 20XX	-	0.0000%	-	-
22	July	Year 20XX	-	0.0000%	-	-
23	August	Year 20XX	-	0.0000%	-	-
24	September	Year 20XX	-	0.0000%	-	-
25	October	Year 20XX	-	0.0000%	-	-
26	November	Year 20XX	-	0.0000%	-	-
27	December	Year 20XX	-	0.0000%	-	-
				<b>Total Interest</b>		
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







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

(A) Line	(A) Month	(B) PJM Bill NITS Charge Code	(C) True-up (a)	(D) Other (b)	(E) Total
1	January	-	-	-	-
2	February	-	-	-	-
3	March	-	-	-	-
4	April	-	-	-	-
5	May	-	-	-	-
6	June	-	-	-	-
7	July	-	-	-	-
8	August	-	-	-	-
9	September	-	-	-	-
10	October	-	-	-	-
11	November	-	-	-	-
12	December	-	-	-	-
13	Total	-	-	-	-
14	January	-	-	-	-
15	February	-	-	-	-
16	March	-	-	-	-
17	April	-	-	-	-
18	May	-	-	-	-
19	June	-	-	-	-
20	July	-	-	-	-
21	August	-	-	-	-
22	September	-	-	-	-
23	October	-	-	-	-
24	November	-	-	-	-
25	December	-	-	-	-
26	Total	-	-	-	-

**Notes**  
 (a) The PJM NITS & TEC charges will include a true-up for the over/under recovery from a prior rate period.  
 (b) JCP&L to include any necessary prior period adjustments including those identified through the discovery or challenge procedures, as defined within the protocols.



Ln	Text Description	Allocator (b) (4) (f)	Exp. Acct. (c)	2019	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	Average	Allocator Output (b)	To Transmission
				December 31	January 31	February 28/29	March 31	April 30	May 31	June 30	July 31	August 31	September 30	October 31	November 30	December 31			
1	FERC Account No. 165																		
-1.01	Prepayment Item 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1.02	Prepayment Item 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1.03	Prepayment Item 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1.XX	Prepayment Item 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Sum of Lines 1.01 through 1.XX																		
3	FERC Form No. 1, p.111.57.d.g																		
4	FERC Account No. 154 (Transmission Only)																		
	FERC Form No. 1, p.227.8.b.6.g																		
5	FERC Account No. 185 (Transmission Only)																		
	FERC Form No. 1, p.714.x.d																		

Notes:  
 (a) Average calculated as (Sum of Columns (D) through (P)) ÷ 13.  
 (b) Allocator must be DA, TL, TP, GP, WS, CE, or EXCL.  
 (c) (X), may add or remove columns for prepayments without a FPA Section 205 filing.  
 (d) Prepaid income taxes and other prepayments that are considered short-term (12-months or less amortization periods) shall have an allocator of "EXCL".  
 (e) The expense account will only be populated with several expense items included in transmission rates.  
 (f) Any line item allocated by "EXCL" will only show year-end balances.

Attachment H-4A, Attachment 14a  
 page 1 of 1  
 For the 12 months ended 12/31/XXXX

Other Rate Base Items

		[1]	[2]	[3]	[4]	[5]	[6]
		Land Held for Future Use	Materials & Supplies	Prepayments (Account 165)		Total	
	[A]	214.x.d	227.8.e & 16.e	111.57.e[B]			
1	December 31	20XX	-	-			
2	December 31	20XX	-	-			
3	Begin/End Average		-	-			
		Unfunded Reserve - Plant Related					Total
	FERC Acct No.	228.1	228.2	228.3	228.4	242	
	[A] [C]	112.27.e	112.28.e	112.29.e	112.30.e	113.48.e	
4	December 31	20XX	-	-	-	-	-
5	December 31	20XX	-	-	-	-	-
6	Begin/End Average		-	-	-	-	-
		Unfunded Reserve - Labor Related					Total
	FERC Acct No.	228.1	228.2	228.3	228.4	242	
	[A] [C]	112.27.e	112.28.e	112.29.e	112.30.e	113.48.e	
7	December 31	20XX	-	-	-	-	-
8	December 31	20XX	-	-	-	-	-
9	Begin/End Average		-	-	-	-	-

Notes:  
 [A] Reference for December balances as would be reported in FERC Form 1.  
 [B] Prepayments shall exclude prepayments of income taxes.  
 [C] Includes transmission related balance only.







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

Formatted: Width: 8.5", Height: 11"

**Income Tax Adjustments**

	{1}	{2}	{3}	
			Dec 31,	
			20XX	Reference
1	Tax adjustment for Permanent Differences & AFUDC Equity	{A}{C}		JCP&L Company Records
2	Amortized Excess-Deferred Taxes (enter-negative)	{B}{C}		JCP&L Company Records
3	Amortized-Deficient-Deferred Taxes	{B}{C}		JCP&L Company Records

Notes:

- [A] AFUDC equity component is the gross cumulative annual amount based upon tax records of capitalized AFUDC equity embedded in the gross plant attributable to the transmission function.
- [B] Upon enactment of changes in tax law, income tax rates (including changes in apportionment) and other actions taken by a taxing authority, deferred taxes are re-measured and adjusted in the Company's books of account, resulting in excess or deficient accumulated deferred taxes. Such excess or deficient deferred taxes attributed to the transmission function will be based upon tax records and calculated in the calendar year in which the excess or deficient amount was measured and recorded for financial reporting purposes. The balance located within Column 3, row 2 and row 3, is the net impact of excess deferred and deficient amortization.
- [C] Year end balance for line 1 taken to Attachment H-4A, page 3, line 32; Year end balance for lines 2-3 taken to Attachment H-4A, page 3, line 33

Line	Item					
1	State					
2	Nominal Federal Tax Rate (FIT)	024.00%		024.00%		024.00%
3	Apportionment Percentage (a)	0466.00%				466.00%
4	Nominal State Tax Rate	09.00%				09.00%
5	Percent of Federal Deducted for State	0.00%				0.00%
6	Line 3 x Line 4	09.00%				09.00%
7	Line 3 x Line 5	0.00%				0.00%
8						
9	Composite Tax Factor (CTF)	028.004%				
10						
11						
12	Tax Gross-up Factor (TGUF)	039.0040%				
13	Return on Rate Base	#DIV/0!				
14	Composite Tax Factor	#DIV/0!				
15	Preliminary Income Taxes Allowable	#DIV/0!				
16	AFUDC Equity (b)					
17	Amortization of ITC Tax Credit (a)					
18	Amortization of (Excess)/Deficient Deferred Income Tax (c)					
19	Income Tax Adjustments					
20	Gross-up on Income Tax Adjustments					
21	Grossed-Up Income Tax Adjustments					
22	Income Taxes Allowable	#DIV/0!				

Notes

- (a) FERC Form No. 1, page 266.8.f
- (b) The source shall be company records for current-year AFUDC Equity Depreciation. No additional permanent tax differences may be included without JCP&L making a Section 205 filing.
- (c) JCP&L to provide additional attachments for each tax rate change and aggregate related amortization.

Line	Item							
1	State							
2	Nominal Federal Tax Rate (FIT)	21.00%				21.00%		21.00%
3	Apportionment Percentage (p)	100.00%	=	-	=	-	=	100.00%
4	Nominal State Tax Rate	0.00%	=	-	=	-	=	0.00%
5	Percent of Federal Deducted for State	0.00%	=	-	=	-	=	0.00%
6	Line 2 * Line 4	0.00%	=	-	=	-	=	0.00%
7	Line 2 * Line 5	0.00%	=	-	=	-	=	0.00%
8		T	=	28.11%	=	$1 - ((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p)$		
9	Composite Tax Factor (CTF)	#DIV/0!	=		=	$CF / (1 - T) * (1 - (WCLTD / BOR))$		
10						where WCLTD = Attachment H A, page 4, line 12, and		
11						R = (page 4, line 15)		
12	Tax Gross-up Factor (TGUF)		=	39.10%	=	$CF / (1 - T)$		
13	Return on Rate Base	#DIV/0!	=		=	Attachment H 4A, Page 3, Line 15, Col 5		
14	Composite Tax Factor	#DIV/0!	=		=			
15	Preliminary Income Taxes Allowable	#DIV/0!	=		=			
16	AFUDC Equity (b)		=		=			
17	Amortization of ITC Tax Credit (a)		=		=	0.00		
18	Amortization of (Excess) Deficient Deferred Income Tax (c)		=		=	Attachment 15a, Line 21, Col. (M)		
19	Income Tax Adjustments		=		=			
20	Gross-up on Income Tax Adjustments		=		=	Line 19 * TGUF		
21	Grossed Up Income Tax Adjustments		=		=			
22	Income Taxes Allowable	#DIV/0!	=		=	Line 15 + Line 21		

Notes

(a) FERC Form No. 1, page 266 8-f

(b) The source shall be company records for current year AFUDC Equity Depreciation. No additional permanent tax differences may be included without JCP&L making a Section 205 filing.

(c) JCP&L to provide additional attachments for each tax rate change and aggregate related amortization.

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted Table

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 7 pt

Formatted: Font: 10 pt







Formatted: Section start: New page

Attachment H-4A, Attachment 16  
page 1 of 1  
For the 12 months ended 12/31/XXXX

**Abandoned Plant**

[1]	[2]	[3] Months Remaining In Amortization Period	[4] Beginning Balance	[5] Amortization Expense (p114.10.c)	[6] Additions (Deductions)	[7] Ending Balance
1	<b>Monthly Balance</b>	Source				
2	December 20XX	p111.71.d (and Notes)				
3	January	FERC Account 182.2				
4	February	FERC Account 182.2				
5	March	FERC Account 182.2				
6	April	FERC Account 182.2				
7	May	FERC Account 182.2				
8	June	FERC Account 182.2				
9	July	FERC Account 182.2				
10	August	FERC Account 182.2				
11	September	FERC Account 182.2				
12	October	FERC Account 182.2				
13	November	FERC Account 182.2				
14	December 20XX	p111.71.c (and Notes) Detail on p230b				
15	<b>Ending Balance 13-Month Average</b>	(sum lines 2-14) /13				

Attachment H-4A, page 3, Line 108

Attachment H-4A, page 2, Line

237

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

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

**CWIP**  
[A]  
216,b

1	December	20XX
2	January	20XX
3	February	20XX
4	March	20XX
5	April	20XX
6	May	20XX
7	June	20XX
8	July	20XX
9	August	20XX
10	September	20XX
11	October	20XX
12	November	20XX
13	December	20XX
14	13-month Average	-

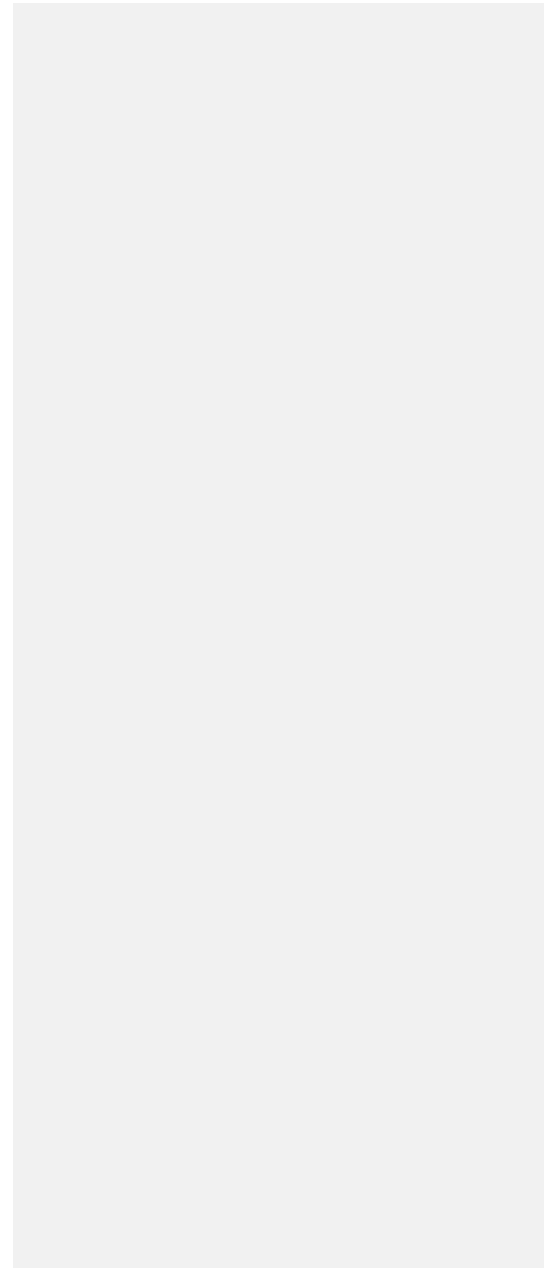
Notes:

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





|



Attachment H-4A, Attachment 18  
page 1 of 1  
For the 12 months ended 12/31/XXXX

**Federal Income Tax Rate**

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

Formatted Table

**State Income Tax Rate**

New Jersey  
Combined Rate  
(entered on Attachment H-4A,  
page 5 of 5, Note K)

Nominal State Income Tax Rate  
Times Apportionment Percentage  
Combined State Income Tax Rate

Formatted: Left

Ln.	Text Description	(A)	(B)	(C)	x	(D)	(E)
		Allocator	Amount			Allocator Output	To Transmission
<u>1</u>	<b>FERC Account No. 451</b>						
<u>1.01</u>	"	=	=			=	=
<u>1.XX92</u>	"	=	=			=	=
<u>2</u>	Sum of Lines 1.01 through 1.XX92	=	=			=	=
<u>3</u>	<b>FERC Account No. 454 (d)</b>						
<u>3.01</u>	Rent	=	=			=	=
<u>3.XX92</u>	"	=	=			=	=
<u>4</u>	Sum of Lines 3.01 through 3.XX92	=	=			=	=
<u>5</u>	<b>FERC Account No. 456 (e)</b>						
<u>5.01</u>	Point-to-Point Revenue	=	=			=	=
<u>5.XX92</u>	"	=	=			=	=
<u>6</u>	Sum of Lines 5.01 through 5.XX92	=	=			=	=
<u>7</u>	<b>Other</b>						
<u>7.01</u>	"	=	=			=	=
<u>7.XX92</u>	"	=	=			=	=
<u>8</u>	Sum of Lines 7.01 through 7.XX92	=	=			=	=
<u>9</u>	Sum of Lines 2, 4, 6, and 8	=	=			=	=

Formatted Table

**Notes**  
 (a) Allocator must be DA, TE, TP, GP, WS, CE, or EXCL.  
 (b) JCP&L may add or remove sublines without a FPA Section 205 filing.  
 (c) JCP&L to populate column C if item is partially or wholly allocated to the transmission revenue requirement.  
 (d) Includes income related only to transmission facilities, such as pole attachments, rentals and special use.  
 (e) 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.



Attachment H-4A, Attachment 19  
page 1 of 1  
For the 12 months ended 12/31/XXXX

Formatted: Left: 0.5", Right: 0.5", Top: 0.5", Bottom: 0.5"

**Regulatory Asset**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]
			Months Remaining In Amortization	Beginning Balance	Amortization Expense (Company Records)	Additions (Deductions)	Ending Balance
1 <b>Monthly Balance</b>		Source	Period				
2 December 20XX		p232 (and Notes)	13				
3 January		FERC Account 182.3	12				
4 February		FERC Account 182.3	11				
5 March		FERC Account 182.3	10				
6 April		FERC Account 182.3	9				
7 May		FERC Account 182.3	8				
8 June		FERC Account 182.3	7				
9 July		FERC Account 182.3	6				
10 August		FERC Account 182.3	5				
11 September		FERC Account 182.3	4				
12 October		FERC Account 182.3	3				
13 November		FERC Account 182.3	2				
14 December 20XX		p232 (and Notes)	1				
15 <b>Ending Balance 13-Month Average</b>		(sum lines 2-14)/13					



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

Operation and Maintenance Expenses

FF1 Page 324 Line No.	Account Reference	Description	Account Balance [A]
82		<i>Operation</i>	-
83	560	Operation Supervision and Engineering	-
84			-
85	561.1	Load Dispatch Reliability	-
86	561.2	Load Dispatch Monitor and Operate Transmission System	-
87	561.3	Load Dispatch Transmission Service and Scheduling	-
88	561.4	Scheduling, System Control and Dispatch Services	-
89	561.5	Reliability, Planning and Standards Development	-
90	561.6	Transmission Service Studies	-
91	561.7	Generation Interconnection Studies	-
92	561.8	Reliability, Planning and Standards Development Services	-
93	562	Station Expenses	-
94	563	Overhead Lines Expense	-
95	564	Underground Lines Expense	-
96	565	Transmission of Electricity by Others	-
97	566	Miscellaneous Transmission Expense	-
98	567	Rents	-
99		TOTAL Operation (Enter Total of Lines 83 thru 98)	\$0
100		<i>Maintenance</i>	-
101	568	Maintenance Supervision and Engineering	-
102	569	Maintenance of Structures	-
103	569.1	Maintenance of Computer Hardware	-
104	569.2	Maintenance of Computer Software	-
105	569.3	Maintenance of Communication Equipment	-
106	569.4	Maintenance of Miscellaneous Regional Transmission Plant	-
107	570	Maintenance of Station Equipment	-
108	571	Maintenance of Overhead Lines	-
109	572	Maintenance of Underground Lines	-
110	573	Maintenance of Miscellaneous Transmission Plant	-
111		TOTAL Maintenance (Total of lines 101 thru 110)	\$0
112		<b>TOTAL Transmission Expenses (Total of lines 99 and 111)</b>	<b>\$0</b>

Notes:

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

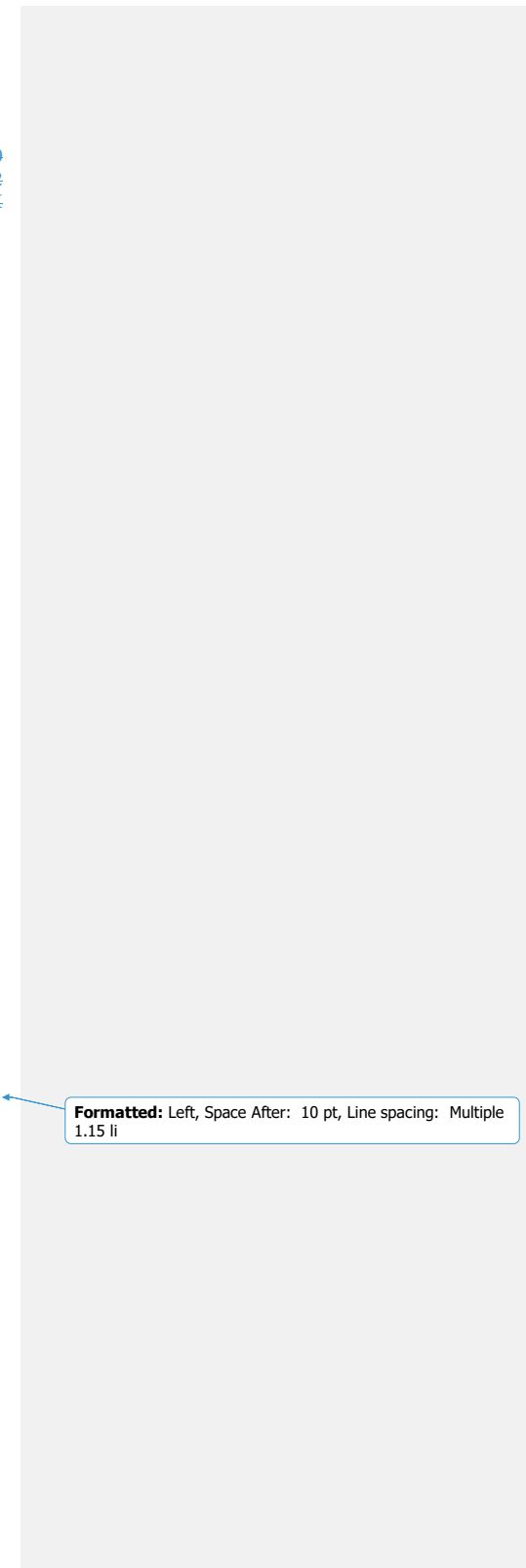
Attachment H-4A, Attachment 20  
 page 2 of 2  
 For the 12 months ended 12/31/XXXX

Administrative and General (A&G) Expenses

FF1 Page 323 Line No.	Account Reference	Description	Account Balance [B]
		<i>Operation</i>	-
180		<i>Operation</i>	-
181	920	Administrative and General Salaries	-
182	921	Office Supplies and Expenses	-
183	Less-922	Administrative Expenses Transferred—Credit	-
184	923	Outside Services Employed	-
185	924	Property Insurance	-
186	925	Injuries and Damages	-
187	926	Employee Pensions and Benefits	-
188	927	Franchise Requirements	-
189	928	Regulatory Commission Expense	-
190	Less-929	(Less) Duplicate Charges—Cr.	-
191	930.1	General Advertising Expenses	-
192	930.2	Miscellaneous General Expenses	-
193	931	Rents	-
194		<b>Total Operation (Enter Total of lines 181 thru 193)</b>	<b>\$0</b>
195		<i>Maintenance</i>	-
196	935	Maintenance of General Plant	-
197		<b>TOTAL A&amp;G Expenses (Total of lines 194 and 196)</b>	<b>\$0</b>

Notes:

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



Formatted: Left, Space After: 10 pt, Line spacing: Multiple 1.15 li





**ATTACHMENT H-4B**  
**Jersey Central Power & Light Company**  
**Formula Rate Implementation Protocols**  
**ANNUAL TRUE-UP, INFORMATION EXCHANGE,**  
**AND CHALLENGE PROCEDURES**

**Definitions**

“Actual Transmission Revenue Requirement” or “ATRR” means the actual net transmission revenue requirement calculated and posted on the PJM website no later than June 10 of each year subsequent to calendar year 2020 for the immediately preceding calendar year in accordance with JCP&L’s Formula Rate and based upon JCP&L’s actual costs and expenditures.

“Annual Update” means JCP&L’s ATRR for the preceding calendar year, as well as the True-up for the prior Rate Year, as posted on or before June 10 of each year.

“Formal Challenge” means a written challenge to an Annual Update or Projected Transmission Revenue Requirement submitted to the Federal Energy Regulatory Commission (the “Commission” or “FERC”) as provided in Section IV below.

“Formula Rate” means the collection of formulas and worksheets, unpopulated with any data, included as Attachment H-4A of the PJM Tariff.

“Interested Parties” include, but are not limited to, customers under the PJM Tariff, state utility regulatory commissions, the Organization of PJM States, Inc., consumer advocacy agencies, and state attorneys general.

“PJM Tariff” means the Open Access Transmission Tariff of the PJM Interconnection, L.L.C.

“Preliminary Challenge” means a written challenge to the Annual Update or Projected Transmission Revenue Requirement submitted to JCP&L as provided in Section IV below.

“Projected Transmission Revenue Requirement” or “PTRR” means the projected net transmission revenue requirement calculated for the forthcoming Rate Year, as well as, where applicable, the most recently calculated True-up, with interest, to be posted on the PJM website no later than October 31 of each year for rates effective the next calendar year starting January 1.

“Protocols” means these Protocols, included as Attachment H-4B of the PJM Tariff).

“Publication Date” means the date on which the Annual Update is posted.

“Rate Year” means the twelve consecutive month period that begins on January 1 and continues through December 31.

“True-up” means the difference between the revenues collected by PJM based on the PTRR (net of the True-up from the prior year) and the ATRR for the same Rate Year, which shall be provided in the Annual Update on or before June 10 of the year subsequent to the Rate Year. The True-up will be a component of the PTRR.

### **Section I. Applicability**

The following procedures shall apply to the Jersey Central Power & Light Company (“JCP&L”) calculation of its Actual Transmission Revenue Requirement, True-up, and Projected Transmission Revenue Requirement.

### **Section II. Annual Update and Projected Transmission Revenue Requirement**

- A. On or before June 10 of each year subsequent to calendar year 2020, JCP&L shall determine its Annual Update for the immediately preceding calendar year under Attachment H-4A and Section VII of these Protocols, including calculation of the True-up to be included in JCP&L’s PTRR for the subsequent Rate Year.
- B. On or before June 10 of each year subsequent to calendar year 2020, JCP&L shall provide its Annual Update for the immediately preceding calendar year to PJM and cause such information to be posted on the PJM website. Within two (2) days of such posting, JCP&L shall provide notice of such posting via an e-mail exploder list.
- C. On or before ~~October 31, 2020, and on or before each subsequent October 31,~~ JCP&L ~~shall provide the PTRR to PJM and cause such information to be posted on the PJM website, in both a Portable Document Format (“PDF”) and fully functioning Excel file, and within two (2) days of posting of the PTRR, JCP&L shall provide notice of such posting via an e-mail exploder list.~~ September 1 JCP&L shall upon request provide any Interested Party with: (1) information showing (a) each transmission project forecasted to be placed into service in the following Rate Year that is expected to have a direct cost of \$1,000,000 (one million dollars) or greater, and a breakdown of the projected direct costs of each such project in as much detail as is reasonably available; and (b) purchases of categories of capital equipment (e.g., switches, transformers, relays, etc.) \$1,000,000 (one million dollars) or greater in the aggregate that are forecasted to enter service during the following Rate Year, either through the use of such capital equipment in projects forecasted to be placed in service during the following Rate Year or as spare plant that JCP&L determines to be needed for the safe and reliable operation of the transmission system in accordance with Good Utility Practice during the following Rate Year; and (2) a statement setting forth the basis for JCP&L’s determination that each such transmission project or capital equipment purchase, as applicable, is needed for service during the following Rate Year (which statement may be based on a determination that the placement of the project or equipment purchases into service during the following Rate

Year, as described below, is needed as part of a larger multi-year transmission project or equipment purchase project, as applicable). JCP&L's provision of such information shall be subject to the protection of any confidential information, as needed, under non-disclosure agreements that are based on FERC's Model Protective Order.

D. JCP&L shall provide: (1) to PJM, JCP&L's PTRR for rates to be effective the following Rate Year, by October 31, and (2) upon request to any Interested Party by October 31, (a) a list of the transmission projects and capital equipment purchases included in the PTRR capital projections, which shall be projects and capital equipment forecasted to enter service through projects in service or as spare plant during the Rate Year that is the subject to the PTRR; (b) a copy of the approved budget and/or construction plan pursuant to which such projects and equipment purchases have been undertaken; (c) a statement setting forth the basis for JCP&L's determination that each such transmission project or capital equipment purchase, as applicable, is needed for service during the following Rate Year (which statement may be based on a determination that the placement of the project or equipment purchase into service during the following Rate Year is needed as part of a larger multi-year transmission project or equipment purchase project, as applicable). With respect to the information referenced in clause (1), on October 31, JCP&L shall provide via an email exploder list: (i) its PTRR for rates to be effective the following Rate Year; and (ii) notice of such posting. With respect to the information described in clause (2), JCP&L's provision of such information shall be subject to the protection of any confidential information, as needed, under non-disclosure agreements that are based on FERC's Model Protective Order.

~~D~~E. If the date for posting the Annual Update or PTRR falls on a weekend or a holiday recognized by FERC, then the posting shall be due on the next business day. The date on which posting of the Annual Update occurs shall be that year's Publication Date. Any delay in the Publication Date or in the posting of the PTRR will result in an equivalent extension of time for the submission of information requests discussed in Section III of these Protocols. If the deadline for any event under these Protocols falls on a weekend or a holiday recognized by the Commission, the deadline for such event shall be extended to the next business day.

~~E~~F. The ATRR shall:

1. Include a workable data-populated version of the Formula Rate template and underlying work papers in Excel format with all formulas and links intact;
2. Be based on JCP&L's FERC Form No. 1 for the prior calendar year;
3. Provide the Formula Rate calculations and all inputs thereto, as well as supporting documentation and work papers for data that are used in the ATRR that are not

otherwise available in the FERC Form No. 1, subject to the protection of any confidential information, as needed, under non-disclosure agreements that are based on FERC's Model Protective Order;

4. Provide sufficient information to enable Interested Parties to replicate the calculation of the ATRR results from the FERC Form No. 1;
5. Identify any changes in the formula references (page and line numbers) to the FERC Form No. 1;
6. Identify and, to the extent not explained in a worksheet included in the ATRR, explain, all material adjustments made to the FERC Form No. 1 data in determining formula inputs, including relevant footnotes to the FERC Form No. 1 and any adjustments not shown in the FERC Form No. 1;
7. Provide underlying data for Formula Rate inputs that provide greater granularity than is required for the FERC Form No. 1;
8. With respect to any change in accounting that affects inputs to the Formula Rate or the resulting charges billed under the Formula Rate ("Accounting Change"):
  - a. Identify any Accounting Change, including:
    - i. the initial implementation of an accounting standard such as a new requirement under Generally Accepted Accounting Principles ("GAAP") or changes to GAAP, or policy;
    - ii. the initial implementation of accounting practices for unusual or unconventional items where FERC has not provided specific accounting direction;
    - iii. the initial implementation of accounting changes in the reporting of the FERC Form No. 1 accounts from the prior year to the current year to the extent such change(s) affect(s) the Formula Rate revenue requirement: changes in (1) FERC's Uniform System of Accounts, (2) FERC Form No. 1 reporting requirements as applicable, (3) any FERC ratemaking orders applicable to the Formula Rate, and (4) the accounting policies of JCP&L;
    - iiii. correction of errors and prior period adjustments that affect the ATRR and True-up calculation;
    - iv. the implementation of new estimation methods or policies that

change prior estimates; and

~~v~~vi. changes to income tax elections;

- b. Identify items included in the ATRR at an amount other than on a historic cost basis (e.g., fair value adjustments);
- c. Identify any reorganization or merger transaction during the previous year and explain the effect of the accounting for such transaction(s) on inputs to the ATRR; and
- d. Provide, for each item identified pursuant to items II.E.8.a - II.E.8.c above, a narrative explanation of the individual impact of such change on the ATRR; and

It is the intent of the Formula Rate, including the supporting explanations and allocation described therein, that each input to the Formula Rate will be either taken directly from FERC Form No. 1 or reconcilable to FERC Form No. 1 by the application of clearly identified and supported information. If the referenced form is superseded, the successor form(s) shall be utilized and supplemented as necessary to provide equivalent information as that provided in the superseded form. If the referenced form(s) is (are) discontinued, equivalent information as that provided in the discontinued form(s) shall be utilized.

9. Include for the applicable Rate Year the following information related to affiliate cost allocation: (A) a detailed description of the methodologies used to allocate and directly assign costs between JCP&L and its affiliates by service category and function, including any changes to such cost allocation methodologies from the prior year, and the reasons and justification for those changes; and (B) the magnitude of such costs that have been allocated or directly assigned between JCP&L and each affiliate by service category or function.

~~F~~G. The Projected Transmission Revenue Requirement shall:

1. Include a workable data-populated version of the Formula Rate template and underlying work papers in Excel format with all formulas and links intact;
2. Provide the Formula Rate calculations and all inputs thereto, as well as supporting documentation and work papers for data that are used in the PTRR;
3. Provide sufficient information to enable Interested Parties to replicate the calculation of the PTRR;

4. With respect to any Accounting Change:
    - a. Identify any Accounting Change, including:
      - i. the initial implementation of an accounting standard such as a new requirement under Generally Accepted Accounting Principles (“GAAP”) or changes to GAAP, or policy;
      - ii. the initial implementation of accounting practices for unusual or unconventional items where FERC has not provided specific accounting direction;
      - iii. the initial implementation of accounting changes in the reporting of the FERC Form No. 1 accounts from the prior year to the current year to the extent such change(s) affect(s) the Formula Rate revenue requirement: changes in (1) FERC’s Uniform System of Accounts, (2) FERC Form No. 1 reporting requirements as applicable, (3) any FERC ratemaking orders applicable to the Formula Rate, and (4) the accounting policies of JCP&L;
      - iiii. correction of errors and prior period adjustments that affect the PTRR calculation;
      - ivv. the implementation of new estimation methods or policies that change prior estimates; and
      - vvi. changes to income tax elections;
    - b. Identify items included in the PTRR at an amount other than on a historic cost basis (e.g., fair value adjustments);
    - c. Identify any reorganization or merger transaction during the previous year and explain the effect of the accounting for such transaction(s) on inputs to the PTRR; and
    - d. Provide, for each item identified pursuant to items II.F.4.a - II.F.4.c of these Protocols, a narrative explanation of the individual impact of such change on the PTRR.
- GH.** JCP&L shall hold an open meeting among Interested Parties (“Annual Update Meeting”), to be conducted via Internet webcast, no earlier than ten (10) business days following the Publication Date and no later than July 10. No fewer than seven (7) days prior to such Annual Update Meeting, JCP&L shall provide notice on PJM’s website of the time and

date of the Annual Update Meeting, and shall provide notice of the posting via an e-mail exploder list. The Annual Update Meeting shall: (i) permit JCP&L to explain and clarify its ATRR and True-up; and (ii) provide Interested Parties an opportunity to seek information and clarifications from JCP&L about the ATRR and True-up.

HI. JCP&L shall hold an open meeting among Interested Parties (“Annual Projected Rate Meeting”), to be conducted via Internet webcast, no earlier than five (5) business days following the posting of the PTRR (as described in Section II.C of these Protocols) and no later than November 30. No fewer than five (5) days prior to such Annual Projected Rate Meeting, JCP&L shall provide notice on PJM’s website of the time and date of the Annual Projected Rate Meeting, and shall provide notice of the posting via an e-mail exploder list. The Annual Projected Rate Meeting shall: (i) permit JCP&L to explain and clarify its PTRR and (ii) provide Interested Parties an opportunity to seek information and clarifications from JCP&L about the PTRR.

### **Section III. Information Exchange Procedures**

Each Annual Update and PTRR shall be subject to the following information exchange procedures (“Information Exchange Procedures”):

- A. Interested Parties shall have until January 15 following the Publication Date (unless such period is extended with the written consent of JCP&L or by FERC order) to serve reasonable information and document requests on JCP&L (“Information Exchange Period”). If January 15 falls on a weekend or a holiday recognized by FERC, the deadline for submitting all information and document requests shall be extended to the next business day. Such information and document requests shall be limited to what is necessary to determine:
1. the extent or effect of an Accounting Change;
  2. whether the ATRR or PTRR fails to include data properly recorded in accordance with these Protocols;
  3. the proper application of the Formula Rate and procedures in these Protocols;
  4. the accuracy of data and consistency with the Formula Rate of the calculations shown in the ATRR or PTRR;
  5. the prudence of actual costs and expenditures; included in the ATRR or the reasonableness of projected costs and expenditures included in the PTRR, information concerning which may include JCP&L's utilized procurement methods and cost control methodologies, and the basis for and reasonableness of allocating all or any portion of such costs and expenditures to wholesale



transmission service;

6. whether transmission projects or equipment purchases underlying the costs and expenditures included in the ATRR or PTRR are needed for service during the Rate Year (including as part of a larger multi-year transmission project or equipment purchase program, as applicable);
67. the effect of any change to the underlying Uniform System of Accounts or FERC Form No. 1; or
78. any other information that may reasonably have a substantive effect on the calculation of the charge pursuant to the Formula Rate.

The information and document requests shall not be directed to ascertaining whether the Formula Rate is just and reasonable.

- B. JCP&L shall make a good faith effort to respond to any information and document request within fifteen (15) business days of receipt of such request. JCP&L shall respond to all information and document requests by no later than February 25 following the Publication Date, unless the Information Exchange Period is extended by JCP&L or FERC.
- C. JCP&L will serve all information requests from Interested Parties and JCP&L's response(s) to such requests upon any Interested Party that requests such service, subject to the protection of any confidential information contained in such information requests or responses, as needed, under non-disclosure agreements that are based on FERC's Model Protective Order.
- D. JCP&L shall not claim that responses to information and document requests provided pursuant to these Protocols are subject to any settlement privilege in any proceeding addressing JCP&L's Annual Update or PTRR, and such responses may be included in any Formal Challenge or other submittal addressing JCP&L's Annual Update or PTRR.
- E. To the extent JCP&L and any Interested Parties are unable to resolve disputes related to Information Requests submitted in accordance with these Protocols, such dispute will be discussed by senior representatives of JCP&L and the Interested Party(ies). If the representatives are unsuccessful in resolving the dispute, JCP&L or Interested Party(ies) may petition the FERC's On Call Settlement Judge to assist in resolving the dispute.

#### **Section IV. Challenge Procedures**

- A. Interested Parties shall have until March 31 following the Publication Date (unless such period is extended with the written consent of JCP&L or by FERC order) ("Review

Period”), to review the inputs, supporting explanations, allocations and calculations and to notify JCP&L in writing, which may be made electronically, of any specific Preliminary Challenges to the Annual Update or PTRR. If the final day of the Review Period falls on a holiday recognized by FERC, the deadline for submitting all Preliminary Challenges shall be extended to the next business day. Failure to pursue an issue through a Preliminary Challenge or to lodge a Formal Challenge regarding any issue as to a given Annual Update or PTRR shall bar pursuit of such issue with respect to that Annual Update or PTRR under the challenge procedures set forth in these Protocols, but shall not bar pursuit of such issue or the lodging of a Formal Challenge as to such issue as it relates to a subsequent Annual Update or PTRR. This Section IV.A in no way shall affect a party’s rights under Federal Power Act (“FPA”) section 206 as set forth in Section IV.I of these Protocols.

- B. Preliminary Challenges shall be subject to the resolution procedures and limitations in this Section IV and shall satisfy all of the following requirements.
1. A party submitting a Preliminary Challenge to JCP&L must specify the inputs, supporting explanations, allocations, calculations, or other information to which it objects, and provide an appropriate explanation and documents to support its challenge.
  2. JCP&L shall make a good faith effort to respond to any Preliminary Challenge within twenty (20) business days of written receipt of such challenge.
  3. JCP&L, and where applicable, PJM, shall appoint a senior representative to work with each party that submitted a Preliminary Challenge (or its representative) toward a resolution of the challenge.
  4. If JCP&L disagrees with such challenge, JCP&L will provide the Interested Party(ies) with an explanation supporting the inputs, supporting explanations, allocations, calculations, or other information.
  5. No Preliminary Challenge may be submitted after March 31, and JCP&L must respond to all Preliminary Challenges by no later than April 30 unless the Review Period is extended by JCP&L or FERC, or as provided in Section IV.A above.
  6. JCP&L will serve all Preliminary Challenges and JCP&L’s response(s) to such Preliminary Challenges upon any Interested Party that requests such service, subject to the protection of any confidential information contained in such Preliminary Challenges or responses, as needed, under non-disclosure agreements that are based on the FERC’s Model Protective Order.

- C. Formal Challenges shall be subject to the resolution procedures and limitations in this Section IV. Formal Challenges shall be filed pursuant to these Protocols and shall satisfy all of the following requirements.
1. A Formal Challenge shall:
    - a. Clearly identify the action or inaction which is alleged to violate the filed Formula Rate or these Protocols;
    - b. Explain how the action or inaction violates the filed Formula Rate or these Protocols;
    - c. Set forth the business, commercial, economic or other issues presented by the action or inaction as such relate to or affect the party filing the Formal Challenge, including:
      - (i) the extent or effect of an Accounting Change;
      - (ii) whether the ATRR or PTRR fails to include data properly recorded in accordance with these Protocols;
      - (iii) the proper application of the Formula Rate and procedures in these Protocols;
      - (iv) the accuracy of data and consistency with the Formula Rate of the charges shown in the ATRR or PTRR;
      - (v) the prudence of actual costs and expenditures;
      - (vi) the reasonableness of any projection that forms a basis of the PTRR;
      - (vii) whether transmission projects or equipment purchases underlying the costs and expenditures included in the ATRR or PTRR are needed for service during the Rate Year (including as part of a larger multi-year transmission project or equipment purchase program, as applicable);
      - (~~viii~~) the effect of any change to the underlying Uniform System of Accounts or FERC Form No. 1; or
      - (~~viii~~) any other information that may reasonably have a substantive effect on the calculation of the charge pursuant to the Formula Rate.

- d. Make a good faith effort to quantify the financial impact or burden (if any) created for the party filing the Formal Challenge as a result of the challenged action or inaction;
  - e. State whether the issues presented are pending in an existing Commission proceeding or a proceeding in any other forum in which the filing party is a party, and if so, provide an explanation why timely resolution cannot be achieved in that forum;
  - f. State the specific relief or remedy requested, including any request for stay or extension of time, and the basis for that relief;
  - g. Include all documents that support the facts in the Formal Challenge in possession of, or otherwise attainable by, the filing party, including, but not limited to, contracts and affidavits; and
  - h. State whether the filing party utilized the Preliminary Challenge procedures described in these Protocols to dispute the challenged action or inaction raised by the Formal Challenge, and, if not, describe why not.
2. **Service.** Any person filing a Formal Challenge must serve a copy of such Formal Challenge on JCP&L. Service to JCP&L must be simultaneous with filing at FERC. Simultaneous service can be accomplished by electronic mail in accordance with 18 C.F.R. § 385.2010(f)(3), facsimile, express delivery, or messenger. A party filing a Formal Challenge shall serve the individual listed as the contact person on JCP&L's Informational Filing required under Section VI of these Protocols.
- D. Preliminary and Formal Challenges shall be limited to all issues that may be necessary to determine:
1. the extent or effect of an Accounting Change;
  2. whether the ATRR or PTRR fails to include data properly recorded in accordance with these Protocols, or includes data not properly recorded in accordance with these Protocols;
  3. the proper application of the Formula Rate and procedures in these Protocols;
  4. the accuracy of data and consistency with the Formula Rate of the calculations shown in the ATRR and PTRR;
  5. the prudence of actual costs and expenditures included as inputs to the Formula

Rate;

6. the reasonableness of any projection that forms a basis of the PTRR;
  7. whether transmission projects or equipment purchases underlying the costs and expenditures included in the ATRR or PTRR are needed for service during the Rate Year (including as part of a larger multi-year transmission project or equipment purchase program, as applicable);
  - ~~6~~8. the effect of any change to the underlying Uniform System of Accounts or FERC Form No. 1; or
  - ~~7~~9. any other information that may reasonably have a substantive effect on the calculation of the charge pursuant to the Formula Rate.
- E. Any changes or adjustments to the ATRR and PTRR resulting from the information exchange and Preliminary Challenge processes that are agreed to by JCP&L will be reported in the Informational Filing required pursuant to Section VI of these Protocols. Any such changes or adjustments agreed to by JCP&L on or before December 1 will be reflected in the PTRR for the upcoming Rate Year. Any changes or adjustments agreed to by JCP&L after December 1 will be reflected in the following year's Annual Update, as discussed in Section V of these Protocols.
- F. An Interested Party shall have until June 1 following the Review Period (unless such date is extended with the written consent of JCP&L to continue efforts to resolve the Preliminary Challenge) to make a Formal Challenge with FERC, which shall be served on JCP&L on the date of such filing as specified in Section IV.C.2 above. A Formal Challenge shall be filed in the same docket as JCP&L's Informational Filing discussed in Section VI of these Protocols. JCP&L shall respond to the Formal Challenge by the deadline established by FERC. An Interested Party may not pursue a Formal Challenge unless it submitted a Preliminary Challenge on some issue (which may be different from the Formal Challenge issue) during the applicable Review Period.
- G. In any proceeding initiated by FERC concerning the Annual Update or PTRR or in response to a Formal Challenge, JCP&L shall bear the burden, consistent with FPA section 205, of proving that it has correctly applied the terms of the Formula Rate consistent with these Protocols, that it followed the applicable requirements and procedures in the Formula Rate. Nothing herein is intended to alter the burdens applied by FERC with respect to prudence challenges.
- H. Except as specifically provided herein, nothing herein shall be deemed to limit in any way the right of JCP&L to file unilaterally, pursuant to FPA section 205 and the

regulations thereunder, to change these Protocols, the Formula Rate, or any of its inputs (including, but not limited to, rate of return and transmission incentive rate treatment), or to replace the Formula Rate with a stated rate, or the right of any other party to request such changes pursuant to FPA section 206.

- I. No party shall seek to modify these Protocols or the Formula Rate under the challenge procedures set forth in these Protocols, and the Annual Update and PTRR shall not be subject to challenge by anyone for the purpose of modifying the Formula Rate. Any modifications to these Protocols or the Formula Rate will require, as applicable, a FPA section 205 or section 206 proceeding. ~~JCP&L may, at its discretion and at a time of its choosing, make a limited filing pursuant to FPA section 205 to modify stated values in the Formula Rate for (a) amortization and depreciation rates, (b) Post-Employment Benefits Other Than Pensions rates, or (c) to make any changes required in a final FERC rulemaking associated with excess/deficient deferred income taxes. The sole issue in any such limited Section 205 proceeding shall be whether such proposed change(s) is just and reasonable, and it shall not address other aspects of the Formula Rate.~~
- J. Any Interested Party seeking changes to the application of the Formula Rate due to a change in the Uniform System of Accounts or FERC Form No. 1 ~~shall first raise the matter~~ must have raised a Preliminary Challenge with JCP&L ~~in accordance with this Section IV~~ before pursuing a Formal Challenge.

#### **Section V. Changes to Actual Transmission Revenue Requirement or Projected Transmission Revenue Requirement**

- A. Except as provided in Section IV.E of these Protocols, any changes to the data inputs, including but not limited to revisions to JCP&L's FERC Form No. 1, or as the result of any FERC proceeding to consider the ATRR or PTRR, or as a result of the procedures set forth herein, shall be incorporated into the Formula Rate and the charges produced by the Formula Rate in the PTRR for the next Rate Year. This reconciliation mechanism shall apply in lieu of mid-Rate Year adjustments. Interest on any refund or surcharge shall be calculated in accordance with the procedures outlined in Section VII of these Protocols.
- B. In the event that JCP&L identifies an error in the Annual Update (or its FERC Form No. 1 or successor form which is used as an input to the Formula Rate), or if JCP&L is required by applicable law or a court or a regulatory body to correct such error, JCP&L shall correct the error in good faith and without regard to whether the correction increases or decreases JCP&L's revenue requirements. JCP&L shall implement the correction in the next Annual Update following the identification of the error or the order of a court or regulatory body. Nothing in these protocols should or may be construed as preventing Interested Parties from protesting such correction.

## Section VI. Informational Filings

- A. By June 10 of each year, JCP&L shall submit to FERC an informational filing (“Informational Filing”) of its PTRR for the Rate Year, including its ATRR and True-up. This Informational Filing must include information that is reasonably necessary to determine:
1. that input data to the Formula Rate are properly recorded in any underlying work papers;
  2. that JCP&L has properly applied the Formula Rate and these Protocols;
  3. the accuracy of data and the consistency with the Formula Rate of the transmission revenue requirement and rates under review;
  4. the extent of Accounting Changes that affect Formula Rate inputs; and
  5. the reasonableness of projected costs and the prudence of actual costs.

The Informational Filing must also describe any corrections or adjustments made during the period since the Publication Date, and must describe all aspects of the Formula Rate or its inputs that are the subject of an ongoing dispute under the Preliminary Challenge or Formal Challenge procedures.

Finally, the Informational Filing shall include for the applicable Rate Year the following information related to affiliate cost allocation: a detailed description of the methodologies used to allocate and directly assign costs between JCP&L and its affiliates by service category or function, including any changes to such cost allocation methodologies from the prior year, and the reasons and justification for those changes; the magnitude of such costs that have been allocated or directly assigned between JCP&L and each affiliate by service category or function; and a copy of any service agreement between JCP&L and any JCP&L affiliate that went into effect during the Rate Year.

Within five (5) days of such Informational Filing, JCP&L shall provide notice of the Informational Filing via an e-mail exploder list and by posting the docket number assigned to JCP&L’s Informational Filing on the PJM website, subject to the protection of any confidential information contained in the Informational Filing, as needed, under ~~nondisclosure~~non-disclosure agreements that are based on FERC’s Model Protective Order.

- B. Any challenges to the implementation of the Formula Rate must be made through the challenge procedures described in Section IV of these Protocols or in a separate

complaint proceeding, and not in response to the Informational Filing.

## Section VII. Calculation of True-up

The True-up will be determined in the following manner:

- A. As part of the Annual Update for each Rate Year, JCP&L shall determine the difference between the revenues collected by PJM based on the PTRR for the Rate Year (net of the True-up from the prior year) and the ATRR for the same Rate Year based on actual cost data as reflected in its FERC Form No. 1. The True-up will be determined as follows:
- i. The ATRR for the previous Rate Year as determined using JCP&L's completed FERC Form No. 1 report shall be compared to the revenues collected by PJM based on the PTRR (net of the True-up from the prior year) for that same Rate Year ("True-up Year") to determine any excess or shortfall in the revenues collected by PJM in the True-up Year. The revenue excess or shortfall determined by this comparison shall constitute the "True-up."
  - ii. Interest on any True-up shall be based on the 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 CFR § 35.19a, if JCP&L does not have short-term debt.~~ Interest rates will be used to calculate the time value of money for the period that the True-up exists. The interest rate to be applied to the True-up will be determined ~~using the average rate for the twenty (20) months preceding September 1 of the current year.~~ as follows: (i) for time periods for which there is an interest rate posted on FERC's website, the True-up will reflect each applicable quarter's annual rate; (ii) for time periods for which there is no interest rate posted on FERC's website (i.e., future time periods, in which an interest rate is not yet available), the True-up will reflect the last known quarter's annual rate, as posted on FERC's website and as determined prior to the posting of the JCP&L PTRR that includes the applicable True-up.
- B. JCP&L will post on PJM's website all information relating to the True-up as part of the Annual Update. As provided in Section II.B of these Protocols, JCP&L shall provide its Annual Update for the immediately preceding calendar year to PJM and cause such information to be posted on the PJM website on or before June 10 of each year subsequent to calendar year 2020.

## Section VIII. Formula Rate Inputs

- A. Stated inputs to the Formula Rate: For (i) rate of return on common equity; (ii) "Post-



Employment Benefits other than Pension” (“PBOP”) charges pursuant to Statement of Financial Accounting Standards No. 106, Employers’ Accounting for Postretirement Benefits Other Than Pensions; and (iii) depreciation and/or amortization rates, the values in the Formula Rate shall be stated values and may be changed only pursuant to a FPA section 205 or section 206 proceeding. These stated-value inputs are specified in Attachment 9 of the Formula Rate.

- B. Unpopulated Formula Rate line items: With respect to line items in the Formula Rate that are not currently populated with non-zero numerical values because FERC policy requires prior authorization for recovery of the underlying costs or because, due to the nature of the associated functional activities, such costs are not considered part of JCP&L’s transmission-related revenue requirement (but not line items that are zero values in a particular Rate Year for the sole reason that no such costs or revenues were incurred or revenues received or projected to be incurred or received during the Rate Year), such line items shall not be populated with non-zero values except as may be authorized following a FPA section 205 or section 206 proceeding.

**ATTACHMENT H-4C**  
**Other Supporting Facilities Rates -- Jersey Central Power & Light Company**  
**for Network Integration Transmission Service**

**Service Below 34.5 kV delta**

As provided in Attachment H-4, section 1, service utilizing facilities at voltages below 34.5 kV delta to serve certain New Jersey municipal utilities will be provided at rates determined on a case-by-case basis and stated in existing NITS Agreements under Attachment F through the expiration of such agreements on May 31, 2019. Commencing on June 1, 2019, the rates for such service shall be as follows:

Borough of Butler, New Jersey: \$0.1121/kW-Month

Borough of Lavallette, New Jersey: \$2.3784/kW-Month

Borough of Madison, New Jersey: \$0.0570/kW-Month

Borough of Pemberton, New Jersey: \$1.1081/kW-Month

Borough of Seaside Heights, New Jersey: \$1.2459/kW-Month

The above rates will be applied to the each of the New Jersey boroughs' monthly sixty (60) minute coincident billing demands measured at the time of JCP&L's system peak each month.

## ATTACHMENT H-4

### Annual Transmission Rates -- Jersey Central Power & Light Company

1. The transmission revenue requirements and the rates for Network Integration Transmission Service are equal to the results of the formula shown in Attachment H- 4A, and will be posted on the PJM website pursuant to Attachment H-4B (Formula Rate Protocols). The transmission revenue requirement and the rates reflect the cost of providing transmission service over the 34.5 kV delta and higher transmission facilities of Jersey Central Power & Light Company ("JCP&L"). Service utilizing facilities at voltages below 34.5 kV delta will be provided at rates determined on a case-by-case basis and stated in Attachment H-4C as well as in service agreements with affected customers.
2. The formula rate set forth in Attachment H-4A shall be calculated on the basis of projections, subject to true-up to actual data in accordance with the adjustment mechanism described in Attachment H-4B (Formula Rate Protocols).
3. The rates and revenue requirements in this attachment shall be effective until amended by JCP&L or modified by the Commission.
4. In addition to the rates set forth in paragraph 1 above, a Network Customer purchasing Network Integration Transmission Service shall pay for transmission congestion charges, in accordance with the provisions of the Tariff, and any amounts necessary to reimburse JCP&L for applicable sales, excise, "Btu," carbon, value-added or similar taxes (other than taxes based upon or measured by net income) with respect to the amounts payable pursuant to the Tariff.

**ATTACHMENT H-4A**  
**Annual Transmission Rates -- Jersey Central Power & Light Company**  
**for Network Integration Transmission Service**

For PJM billings (on behalf of JCP&L), on an interim basis for rate year 2021, the Net Revenue Requirement for NITS and TEC will be an annual aggregate amount of \$182,720,888 for rate year 2021 prorated for the time period from the effective date of the interim rate reduction authorized by the Chief Administrative Law Judge in Docket No. ER20-227-000 through the end of calendar year 2021. This Net Revenue Requirement will be reflected in the following rate and revenues:

- Annual NITS Net Revenue Requirement (sourced from Attachment H-4A, page 1, line 10, column 5) to be \$161,318,343, resulting in an Annual NITS Rate (\$/MW/Yr) (sourced from Attachment H-4A, page 1, line 13, column 3) of \$27,327.27.
- TEC Project Revenues (TEC Project Names, RTEP Project Numbers, and TEC Revenues sourced from Attachment 11 to Attachment H-4A, lines 2a through 2d, column 14) to be \$21,402,545. The following breakout of these amounts is shown by project below:
  - Upgrade the Portland – Greystone 230 kV circuit (RTEP Project No. b0174) to be \$1,254,675;
  - Reconductor the 8 mile Gilbert – Glen Gardner 230 kV circuit (RTEP Project No. b0268) to be \$619,750;
  - Add a 2nd Raritan River 230/115 kV transformer (RTEP Project No. b0726) to be \$791,662; and
  - Build a new 230 kV circuit from Larrabee to Oceanview (RTEP Project No. b2015) to be \$18,736,458.

The above noted billings will replace the billings currently in effect that were set based on the JCP&L 2021 Projected Transmission Revenue Requirement (PTRR) that was posted November 2, 2020 for rates effective for calendar year 2021. These adjusted billings will remain in place for the balance of 2021 in accordance with the order of the Chief Administrative Law Judge in Docket No. ER20-227-000 on JCP&L's Motion to Implement Interim Settlement Rates and Request for Waivers and Expedited Consideration and the Settlement Agreement and the 2021 PTRR will not be amended or further adjusted upon the Commission approval of the Settlement Agreement and Settled Template.

Once the Settlement Agreement is approved by the Commission, all other aspects of the Settled Template will be utilized for subsequent rate updates including the JCP&L 2020 Actual Transmission Revenue Requirement (ATRR) that will be posted on June 10, 2021, the JCP&L 2022 PTRR that will be posted on November 1, 2021, and the JCP&L 2021 ATRR that will be posted on June 10, 2022. The utilization of the Settled Template for the 2020 and 2021 ATRRs and related resulting true-ups will ensure that the provisions of the Settlement Agreement are implemented for the full calendar years 2020 and 2021 thus ensuring the Settlement Agreement was applied from the retroactive effective date of January 1, 2020 forward.

The true-ups for calendar years 2020 and 2021 resulting from comparison of the ATRRs calculated with the Settled Template to the amounts billed that were calculated in accordance with the originally filed template or interim rates approved by the Chief Administrative Law Judge will be refunded/collected with interest in the next rate update in accordance with the Settled Protocols. Further, all future rate years will reflect the Settled Template, as provided under Attachment H-4A.

**Service Above 34.5 kV delta**

See attached formula.

Formula Rate - Non-Levelized

For the 12 months ended 12/31/XXXX

Rate Formula Template  
Utilizing FERC Form 1 Data

Jersey Central Power & Light

Line No.	(1)	(2)	(3)	(4)	(5) Allocated Amount
1	GROSS REVENUE REQUIREMENT [page 3, line 18, col 5]				
	REVENUE CREDITS	(Note M)	<u>Total</u>	<u>Allocator</u>	
2	Revenue Credits	Attachment 18, Line 9, Col. (E)		DA	1.00000
3	TEC Revenue	Attachment 11, Page 2, Line 3, Col. 12		DA	1.00000
4	TOTAL REVENUE CREDITS (sum lines 2-3)				
5	True-up Adjustment with Interest	Enter negative of Attachment 13, Line 50			
6	NET REVENUE REQUIREMENT	(Line 1 - Line 4 + Line 5)			
7	DIVISOR				<u>Total</u>
8	1 Coincident Peak (CP) (MW)			(Note A)	
9	Average 12 CPs (MW)			(Note S)	
			<u>Total</u>		
10	Annual Rate (\$/MW/Yr)	(line 6 / line 8)			
			<u>Peak Rate</u>		<u>Off-Peak Rate</u>
			<u>Total</u>		<u>Total</u>
11	Point-to-Point Rate (\$/MW/Year)	(line 6 / line 9)			
12	Point-to-Point Rate (\$/MW/Month)	(line 11/12)			
13	Point-to-Point Rate (\$/MW/Week)	(line 11/52)			
14	Point-to-Point Rate (\$/MW/Day)	(line 13/5; line 13/7)			
15	Point-to-Point Rate (\$/MWh)	(line 11/4,160; line 11/8,760)			

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

Jersey Central Power & Light

Line No.	(1)	(2)	(3)	(4)	(5)
		Source	Company Total	Allocator	Transmission (Col 3 times Col 4)
	<b>RATE BASE:</b>				
	<b>GROSS PLANT IN SERVICE</b>				
1	Production	Attachment 3, Line 14, Col. 1 (Notes N & O)		NA	
2	Transmission	Attachment 3, Line 14, Col. 2 (Notes N & O)		TP	0.00000
3	Distribution	Attachment 3, Line 14, Col. 3 (Notes N & O)		NA	
4	General & Intangible	Attachment 3, Line 14, Col. 4 & 5 (Notes N & O)		W/S	0.00000
5	TOTAL GROSS PLANT (sum lines 1-4)		<hr/>	GP=	0.000%
6	<b>ACCUMULATED DEPRECIATION</b>				
7	Production	Attachment 4, Line 14, Col. 1 (Notes N & O)		NA	
8	Transmission	Attachment 4, Line 14, Col. 2 (Notes N & O)		TP	0.00000
9	Distribution	Attachment 4, Line 14, Col. 3 (Notes N & O)		NA	
10	General & Intangible	Attachment 4, Line 14, Col. 4 & 5 (Notes N & O)		W/S	0.00000
11	TOTAL ACCUM. DEPRECIATION (sum lines 7-10)		<hr/>		
12	<b>NET PLANT IN SERVICE</b>				
13	Production	(line 1- line 7)			
14	Transmission	(line 2- line 8)			
15	Distribution	(line 3 - line 9)			
16	General & Intangible	(line 4 - line 10)			
17	TOTAL NET PLANT (sum lines 13-16)		<hr/>		
18	<b>ADJUSTMENTS TO RATE BASE</b>				
19	Accumulated Deferred Income Taxes	Attachment 5, Line 19, Col. (J) (Notes C, D)		DA	1.00000
20	Unfunded Reserves	Enter Negative Attachment 14b, Line 14, Col. (S), (Note C)		DA	1.00000
21	FERC Approved Regulatory Assets and Liabilities	Attachment 19, Line 7, Col. (W) (Notes O & R)		DA	1.00000
22	CWIP	Attachment 17, Line 3, Col. (W) (Notes O & P)		DA	1.00000
23	Unamortized Abandoned Plant	Attachment 16, Line 15, Col. 7 (Notes O & R)		DA	1.00000
24	TOTAL ADJUSTMENTS (sum lines 19-23)		<hr/>		
25	LAND HELD FOR FUTURE USE	(Attachment 14a, Line 5, Col. S) (Note E)		DA	1.00000
26	<b>WORKING CAPITAL (Note F)</b>				
27	CWC	1/8*(Page 3, Line 6 minus Page 3, Line 5)			
28	Materials & Supplies	Attachment 14a, Line 4, Col. (S) (Notes O & E)		DA	1.00000
29	Prepayments (Account 165)	Attachment 14a, Line 2, Col. (S) (Note O)		DA	1.00000
30	TOTAL WORKING CAPITAL (sum lines 27 - 29)		<hr/>		
31	RATE BASE (sum lines 17, 24, 25, & 30)		<hr/> <hr/>		

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

Jersey Central Power & Light  
(2)

Line No.	(1)	(2)	(3)	(4)	(5)
		Source	Company Total	Allocator	Transmission (Col 3 times Col 4)
1	Operating Expenses				
2	Transmission	Attachment 20, Line 26, Col. (G)		DA	1.00000
3	PBOPs Expense Adjustment	Attachment 6, Line 11 (Note C)		DA	1.00000
4	A&G	Attachment 20, Line 41, Col (I)		DA	1.00000
5	FERC Approved Reg. Asset/Liab. Amortizations	Attachment 19, Line 7, Col. (Y) (Note R)		DA	1.00000
6	TOTAL OPERATING EXPENSES (sum lines 2 through 5)		<hr/>		<hr/>
7	DEPRECIATION AND AMORTIZATION EXPENSE				
8	Transmission	336.7.b (Note N)		TP	0.00000
9	General & Intangible	336.1.b,d,e & 336.10.b,d,e (Note N)		W/S	0.00000
10	Amortization of Abandoned Plant	Attachment 16, Line 15, Col. 5 (Note R)		DA	1.00000
11	TOTAL DEPRECIATION (sum lines 8 -10)		<hr/>		<hr/>
12	TOTAL OTHER TAXES	Attachment 7, line 2, Col. (E)		DA	1.00000
13	INCOME TAXES	(Note G)			
14	Total Income Taxes	Attachment 15, Line 22		DA	1.00000
15	RETURN	[Rate Base (page 2, line 31) * Rate of Return (page 4, line 21, col. 6)]		NA	
16	GROSS REV. REQUIREMENT (WITHOUT INCENTIVE)	(sum lines 6, 11, 12, 14, 15)	<hr/>		<hr/>
17	ADDITIONAL INCENTIVE REVENUE	Attachment 11, Page 2, Line 4, Col. 11 (Note Q)			
18	GROSS REV. REQUIREMENT	(line 16 + line 17)	<hr/> <hr/>		<hr/> <hr/>

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

Jersey Central Power & Light  
**SUPPORTING CALCULATIONS AND NOTES**

Line No.	(1)	(2)	(3)	(4)	(5)	(6)
<b>TRANSMISSION PLANT INCLUDED IN ISO RATES</b>						
1	Total transmission plant (page 2, line 2, column 3)					
2	Less transmission plant excluded from ISO rates (Note H)					
3	Less transmission plant included in OATT Ancillary Services (Note I)					
4	Transmission plant included in ISO rates (line 1 less lines 2 & 3)					
5	Percentage of transmission plant included in ISO Rates (line 4 divided by line 1)				TP=	
<b>TRANSMISSION EXPENSES</b>						
6	Total transmission expenses (Attachment 20, Line 26, Col. C)					
7	Less transmission expenses included in OATT Ancillary Services (Note B)					
8	Included transmission expenses (line 6 less line 7)					
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)					0.00000
10	Percentage of transmission plant included in ISO Rates (line 5)				TP	0.00000
11	Percentage of transmission expenses included in ISO Rates (line 9 times line 10)				TE=	0.00000
<b>WAGES &amp; SALARY ALLOCATOR (W&amp;S)</b>						
		Form 1 Reference	\$	TP	Allocation	
12	Production	354.20.b	-	0.00	-	
13	Transmission	354.21.b		0.00		
14	Distribution	354.23.b		0.00	-	W&S Allocator
15	Other	354.24,354.25,354.26. b		0.00	-	(\$ / Allocation)
16	Total (sum lines 12-15)				=	0.00000 = WS
<b>RETURN (R)</b>						
17	Preferred Dividends (118.29c) (positive number)					\$ -
18	Long Term Debt (Attachment 8, Line 14, Col. 7) (Note O)		\$	%	Cost (Note K)	Weighted
19	Preferred Stock (112.3d) (Attachment 8, Line 14, Col. 2) (Note O)					=WCLTD
20	Common Stock Attachment 8, Line 14, Col. 6) (Note O)				0.1020	
21	Total (sum lines 18-20)					=R
<b>REVENUE CREDITS</b>						
<b>ACCOUNT 447 (SALES FOR RESALE)</b>						
22	a. Bundled Non-RQ Sales for Resale (311.x.h)	(310-311)		(Note L)		
23	b. Bundled Sales for Resale included in Divisor on page 1					
24	Total of (a)-(b)					



Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

Jersey Central Power &amp; Light

General Note:           References to pages in this formulary 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 Removes dollar amount of transmission expenses included in the OATT ancillary services rates, including Account Nos. 561.1 - 561.3, and 561.X., 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.
- C Transmission-related only
- D 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 G. Account 281 is not allocated.
- E Identified in Form 1 as being only transmission related.
- F Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at page 3, line 6, column 5 minus amortization of regulatory assets (page 3, line 5, col. 5). Total company Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111, line 57 in the Form 1. JCP&L to include transmission prepayments only.
- G 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).
- H 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).
- I 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.
- J Enter dollar amounts
- K Debt cost rate = Attachment 10, Column (j) total. Preferred cost rate = preferred dividends (line 21) / preferred outstanding (line 23). No change in ROE may be made absent a filing with FERC under Section 205 or Section 206 of the Federal Power Act. Per the Settlement Agreement in Docket No. ER20-227-000, JCP&L's stated ROE is set to 10.20% (9.7% base ROE plus 50 basis point adder for RTO participation).
- L Line 22 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.
- M The revenues credited on page 1, Line 2 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 3 is supported by its own reference.
- N Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation and Account 405 amounts unless authorized by FERC.
- O Calculate using a 13 month average balance.
- P Includes only CWIP authorized by the Commission for inclusion in rate base.
- Q 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.
- R Unamortized Abandoned Plant, Amortization of Abandoned Plant, and Regulatory assets and liabilities will be zero until the Commission accepts or approves recovery or refund. Utility must submit a Section 205 filing to recover or refund.
- S 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	\$	Attachment 20, Lines 2+3+4, Col. C
2	\$	Revenue Credits for Sched 1A - Note A
3	\$	Net Schedule 1A Expenses (Line 1 - Line 2)
4		Annual MWh in JCP&L Zone - Note B
5	\$	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

Return Calculation			Source Reference
1	Rate Base		Attachment H-4A, page 2, Line 31, Col. 5
2	Preferred Dividends	enter positive	Attachment H-4A, page 4, Line 17, Col. 6
	Common Stock		
3	Proprietary Capital		Attachment 8, Line 14, Col. 1
4	Less Preferred Stock		Attachment 8, Line 14, Col. 2
5	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 4
6	Less Account 216.1 & Goodwill		Attachment 8, Line 14, Col. 3&5
7	Common Stock		Attachment 8, Line 14, Col. 6
	Capitalization		
8	Long Term Debt		Attachment H-4A, page 4, Line 18, Col. 3
9	Preferred Stock		Attachment H-4A, page 4, Line 19, Col. 3
10	Common Stock		Attachment H-4A, page 4, Line 20, Col. 3
11	Total Capitalization		Attachment H-4A, page 4, Line 21, Col. 3
12	Debt %	Total Long Term Debt	Attachment H-4A, page 4, Line 18, Col. 4
13	Preferred %	Preferred Stock	Attachment H-4A, page 4, Line 19, Col. 4
14	Common %	Common Stock	Attachment H-4A, page 4, Line 20, Col. 4
15	Debt Cost	Total Long Term Debt	Attachment H-4A, page 4, Line 18, Col. 5
16	Preferred Cost	Preferred Stock	Attachment H-4A, page 4, Line 19, Col. 5
17	Common Cost	Common Stock	0.1020
18	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 12*Line 15)
19	Weighted Cost of Preferred	Preferred Stock	(Line 13*Line 16)
20	Weighted Cost of Common	Common Stock	(Line 14*Line 17)
21	Rate of Return on Rate Base ( ROR )		(Sum Lines 18 to 20)
22	Investment Return = Rate Base * Rate of Return		(Line 1*Line 21)

Income Taxes		
Income Tax Rates		
23	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$	T from Attachment 15, line 8
24	$CIT=(T/1-T) * (1-(WCLTD/R)) =$	Calculated
25	$1 / (1 - T) =$ (from line 23)	
26	Amortized Investment Tax Credit (266.8.f) (enter negative)	Attachment 15, line 17
27	Tax Effect of Permanent Differences and AFUDC Equity	Attachment 15, line 16
28	(Excess)/Deficient Deferred Income Taxes	Attachment 15, line 18
29	Income Tax Calculation	(Line 22*Line 24)
30	ITC adjustment	Line 25 * Line 26 * GP
31	Permanent Differences and AFUDC Equity Tax Adjustment	Line 25 * Line 27
32	(Excess)/Deficient Deferred Income Tax Adjustment	Line 25 * Line 28
33	Total Income Taxes	Sum Lines 29 to 32

Increased Return and Taxes		
34	Return and Income taxes with increase in ROE	(Line 22 + Line 33)
35	Return without incentive adder	Attachment H-4A, Page 3, Line 15, Col. 5
36	Income Tax without incentive adder	Attachment H-4A, Page 3, Line 14, Col. 5
37	Return and Income taxes <u>without</u> increase in ROE	Line 35 + Line 36
38	Return and Income taxes with increase in ROE	Line 34
39	Incremental Return and incomes taxes for increase in ROE	Line 38 - Line 37
40	Rate Base	Line 1
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.

**Gross Plant Calculation**

	[1] Production	[2] Transmission	[3] Distribution	[4] Intangible	[5] General	[6] Total
1	December	20XX				
2	January	20XX				
3	February	20XX				
4	March	20XX				
5	April	20XX				
6	May	20XX				
7	June	20XX				
8	July	20XX				
9	August	20XX				
10	September	20XX				
11	October	20XX				
12	November	20XX				
13	December	20XX				
14	<b>13-month Average [A] [C]</b>					

		Production	Transmission	Distribution	Intangible	General	Total
	[B]	205.46.g	207.58.g	207.75.g	205.5.g	207.99.g	
15	December	20XX					
16	January	20XX					
17	February	20XX					
18	March	20XX					
19	April	20XX					
20	May	20XX					
21	June	20XX					
22	July	20XX					
23	August	20XX					
24	September	20XX					
25	October	20XX					
26	November	20XX					
27	December	20XX					
28	<b>13-month Average</b>						

	Asset Retirement Costs		Production	Transmission	Distribution	Intangible	General
	[B]		205.44g	207.57.g	207.74.g	company records	207.98.g
29	December	20XX					
30	January	20XX					
31	February	20XX					
32	March	20XX					
33	April	20XX					
34	May	20XX					
35	June	20XX					
36	July	20XX					
37	August	20XX					
38	September	20XX					
39	October	20XX					
40	November	20XX					
41	December	20XX					
42	<b>13-month Average</b>						

Notes:

- [A] Taken to Attachment H-4A, page 2, lines 1-4, Col. 3
- [B] Reference for December balances as would be reported in FERC Form 1.
- [C] Balance excludes Asset Retirements Costs

Accumulated Depreciation Calculation

			[1] Production	[2] Transmission	[3] Distribution	[4] Intangible	[5] General	[6] Total
1	December	20XX						
2	January	20XX						
3	February	20XX						
4	March	20XX						
5	April	20XX						
6	May	20XX						
7	June	20XX						
8	July	20XX						
9	August	20XX						
10	September	20XX						
11	October	20XX						
12	November	20XX						
13	December	20XX						
14	13-month Average	[A] [C]						
			<b>Production</b>	<b>Transmission</b>	<b>Distribution</b>	<b>Intangible</b>	<b>General</b>	<b>Total</b>
			[B] 219.20-24.c	219.25.c	219.26.c	200.21.c	219.28.c	
15	December	20XX						
16	January	20XX						
17	February	20XX						
18	March	20XX						
19	April	20XX						
20	May	20XX						
21	June	20XX						
22	July	20XX						
23	August	20XX						
24	September	20XX						
25	October	20XX						
26	November	20XX						
27	December	20XX						
28	13-month Average							
	Reserve for Depreciation of Asset Retirement Costs							
			<b>Production</b>	<b>Transmission</b>	<b>Distribution</b>	<b>Intangible</b>	<b>General</b>	
			[B] Company Records	Company Records	Company Records	Company Records	Company records	
29	December	20XX						
30	January	20XX						
31	February	20XX						
32	March	20XX						
33	April	20XX						
34	May	20XX						
35	June	20XX						
36	July	20XX						
37	August	20XX						
38	September	20XX						
39	October	20XX						
40	November	20XX						
41	December	20XX						
42	13-month Average		-		-	-	-	

Notes:

- [A] Taken to Attachment H-4A, page 2, lines 7-10, 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

Ln.	Text Description	(B) Allocator	(C) Allocator Output	(D)	(E)	(F)	(G)	(H)	(I)	(J)
				2019	2020	2020	2020	2020	To Rate Base	Total
				December 31 Balance	March Balance	June Balance	September Balance	December Balance	(I)	(J)
1	FERC Account No. 190 (e)									
1.01		DA	1,000							
1.02		DA	1,000							
1.03		DA	1,000							
1.04		DA	1,000							
1.05		DA	1,000							
1.06		DA	1,000							
1.07		DA	1,000							
1.08		DA	1,000							
1.XX		DA	1,000							
2	Sum of Lines 1.01 through 1.XX									
3	FERC Account No. 190 ADIT Adjustments									
3.01		DA	1,000							
3.02		DA	1,000							
3.03		DA	1,000							
3.04		DA	1,000							
3.05		DA	1,000							
3.XX		DA	1,000							
4	Sum of Lines 3.01 through 3.XX									
5	FERC Account No. 281									
5.01		DA	1,000							
5.XX		DA	1,000							
6	Sum of Lines 5.01 through 5.XX									
7	FERC Account No. 281 ADIT Adjustments									
7.01		DA	1,000							
7.XX		DA	1,000							
8	Sum of Lines 7.01 through 7.XX									
9	FERC Account No. 282 (e)									
9.01		DA	1,000							
9.02		DA	1,000							
9.03		DA	1,000							
9.04		DA	1,000							
9.05		DA	1,000							
9.06		DA	1,000							
9.07		DA	1,000							
9.08		DA	1,000							
9.09		DA	1,000							
9.10		DA	1,000							
9.11		DA	1,000							
9.12		DA	1,000							
9.13		DA	1,000							
9.14		DA	1,000							
9.XX		DA	1,000							
10	Sum of Lines 9.01 through 9.XX									
11	FERC Account No. 282 ADIT Adjustments									
11.01		DA	1,000							
11.02		DA	1,000							
11.03		DA	1,000							
11.04		DA	1,000							
11.05		DA	1,000							
11.XX		DA	1,000							
12	Sum of Lines 11.01 through 11.XX									
13	FERC Account No. 283 (e)									
13.01		DA	1,000							
13.02		DA	1,000							
13.03		DA	1,000							
13.04		DA	1,000							
13.05		DA	1,000							
13.06		DA	1,000							
13.07		DA	1,000							
13.08		DA	1,000							
13.09		DA	1,000							
13.10		DA	1,000							
13.11		DA	1,000							
13.12		DA	1,000							
13.13		DA	1,000							
13.14		DA	1,000							
13.15		DA	1,000							
13.16		DA	1,000							
13.17		DA	1,000							
13.18		DA	1,000							
13.19		DA	1,000							
13.20		DA	1,000							
13.XX		DA	1,000							
14	Sum of Lines 13.01 through 13.XX									
15	FERC Account No. 283 ADIT Adjustments									
15.01		DA	1,000							
15.02		DA	1,000							
15.03		DA	1,000							
15.04		DA	1,000							
15.05		DA	1,000							
15.XX		DA	1,000							
16	Sum of Lines 15.01 through 15.XX									
17	FERC Account No. 255 (e)									
17.01		DA	1,000							
17.XX		DA	1,000							
18	Sum of Lines 17.01 through 17.XX									
19	(Line 2 - Line 4 - Line 6 + Line 8 - Line 10 + Line 12 - Line 14 + Line 16 + Line 18)									

Notes  
 (a) If JCP&L is including an ITC amortization as part of its income tax calculation on Attachment 15, it does not need to input data for FERC Account No. 255 on this Attachment.  
 (b) Allocator must be DA, TE, TP, GP, WS, CE, or ENCL.  
 (c) JCP&L may add or remove subline without making a Section 205 filing.  
 (d) Normalization is sourced from Attachment 5a, page 1, col. O for PFR&R Attachment 5b, page 2, col. O for ATRR.  
 (e) JCP&L to include only balances attributable to transmission.  
 (f) JCP&L to include year-end balances.  
 (g) JCP&L shall not include ADIT associated with nonoperating items.

Line		A	B	C	D	E	F	G	H	I
20XX Quarterly Activity and Balances										
1	PTRR	Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
2	PTRR	Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
3	PTRR	Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
4	PTRR	Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
5	PTRR	Beginning 283 (Including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
6	PTRR	Beginning 283 (Including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	

20XX PTRR

Line	Account	J	K	L	M	N	O	P
		Estimated Ending Balance (Before Adjustments)	Projected Activity	Prorated Ending Balance	Prorated – Estimated End (Before Adjustments)	Sum of end ADIT Adjustments	Normalization	Ending ADIT Balance Included in Formula Rate
7	PTRR Total Account 190							
8	PTRR Total Account 282							
9	PTRR Total Account 283							
10	PTRR Total ADIT Subject to Normalization							

Notes:

- Attachment 5b will only be populated within the PTRR.
- Normalization is calculated using transmission ADIT balances/adjustments only.





**20XX PTRR**

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

**20XX ATRR**

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

**Notes:**

1. Attachment 5c will only be populated within the ATRR
2. Normalization is calculated using the transmission ADIT balances/adjustments only.

1 **Calculation of PBOP Expenses**

<u>JCP&amp;L</u>	<u>Amount</u>	<u>Source</u>
3 Total FirstEnergy PBOP expenses	-\$155,537,000	FirstEnergy 2018 Actuarial Study
4 Labor dollars (FirstEnergy)	\$2,363,633,077	FirstEnergy 2018 Actual: Company Records
5 cost per labor dollar (line 3 / line 4)	-\$0.0658	
6 labor (labor not capitalized) current year, transmission only	[REDACTED]	JCP&L Labor: Company Records
7 PBOP Expense for current year (line 5 * line 6)		
8 PBOP expense in Account 926 for current year, total company	[REDACTED]	JCP&L Account 926: Company Records
9 W&S Labor Allocator		
10 Allocated Transmission PBOP (line 8 * line 9)		
11 PBOP Adjustment for Attachment H-4A, page 3, line 3 (line 7 - line 10)		
12 Lines 3-4 cannot change absent a Section 205 or 206 filing approved or accepted by FERC in a separate proceeding		

	(A)	(B)	(C)	(D)	(E)
Ln.	Description	Allocator	Amount	× Allocator Output	= To Transmission
1	<b>Taxes Other Than Income</b>				
1.01		263.i		-	-
1.02		263.i		-	-
1.03		263.i		-	-
1.04		263.i		-	-
1.05		263.i		-	-
1.06		263.i		-	-
1.XX					
2	Sum of Lines 1.01 through 1.XX		-		-
3	FF1, Page 115.14g				

**Notes**

(a) Gross receipts taxes are not included in transmission revenue requirement in the Formula Rate Template since they are recovered elsewhere.

(b) Allocator must be DA, TE, TP, GP, WS, CE, or EXCL.

(c) JCP&L may add or remove sublines applicable to the transmission revenue requirement without an FPA Section 205 filing.

**Capital Structure Calculation**

		[1] <b>Proprietary Capital</b>	[2] <b>Preferred Stock</b>	[3] <b>Account 216.1</b>	[4] <b>Account 219</b>	[5] <b>Goodwill</b>	[6] <b>Common Stock</b>	[7] <b>Long Term Debt</b>
	[A]	112.16.c	112.3.c	112.12.c	112.15.c	233.XX.f	(1) - (2) - (3) - (4) - (5)	112.18-21.c
1	December	20XX						
2	January	20XX						
3	February	20XX						
4	March	20XX						
5	April	20XX						
6	May	20XX						
7	June	20XX						
8	July	20XX						
9	August	20XX						
10	September	20XX						
11	October	20XX						
12	November	20XX						
13	December	20XX						
14	13-month Average							

Notes:

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

**Stated Value Inputs****Formula Rate Protocols  
Section VIII.A****1. Rate of Return on Common Equity (“ROE”)**

JCP&L’s stated ROE is set to: 10.2%

**2. Postretirement Benefits Other Than Pension (“PBOP”)**

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

Total FirstEnergy PBOP expenses	-\$155,537,000
Labor dollars (FirstEnergy)	\$2,363,633,077
Cost per labor dollar	-\$0.0658

**3. Depreciation Rates [1][2]**

FERC Account	Depr %
350.2	1.53%
352	1.14%
353	2.28%
354	0.83%
355	1.81%
356	2.14%
356.1	1.04%
357	1.32%
358	1.67%
359	1.10%
389.2	3.92%
390.1	1.51%
390.2	0.46%
391.1	4.00%
391.15	5.00%
391.2	20.00%
391.25	20.00%
392	3.84%
393	3.33%
394	4.00%
395	5.00%
396	3.03%
397	5.00%
398	5.00%

Note:

[1] Account 303 amortization period is 7 years.

[2] Accounts 391.10, 391.15, 391.20, 391.25, 393, 394, 395, 397, and 398 have an unrecovered reserve to be amortized over 5 years separately from the assets in these accounts beginning January 1, 2020 through December 31, 2025; Per the Settlement Agreement in Docket No. ER20-227-000.

**Debt Cost Calculation**

<b>TABLE 1: Summary Cost of Long Term Debt</b>										
<b>CALCULATION OF COST OF DEBT</b>										
<b>YEAR ENDED 12/31/20XX</b>										
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
	t=N Issue Date	Maturity Date	ORIGINAL ISSUANCE (table 2, col. cc)	Net Proceeds At Issuance (table 2, col. gg)	Net Amount Outstanding at t=N	Months Outstanding at t=N	Average Net Outstanding in Year* z* (col e. * col. F)/12)	Weighted Outstanding Ratios (col. g/col. g total)	Effective Cost Rate (Table 2, Col.kk)	Weighted Debt Cost at t = N (h) * (i)
<b>Long Term Debt Cost at Year Ended:</b>	12/31/20XX									
First Mortgage Bonds:										
(1)										
(2)										
(3)										
(4)										
(5)										
										**

t = time  
The current portion of long term debt is included in the Net Amount Outstanding at t = N in these calculations.  
The outstanding amount (column (e)) for debt retired during the year is the outstanding amount at the last month it was outstanding.  
\* z = Average of monthly balances for months outstanding during the year (average of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month.).  
Interim (individual debenture) debt cost calculations shall be taken to four decimals in percentages (7.2300%, 5.2582%); Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (7.03%).  
\*\* This Total Weighted Average Debt Cost will be shown on page 4, line 18, column 5 of formula rate Attachment H-4A.

<b>TABLE 2: Effective Cost Rates For Traditional Front-Loaded Debt Issuances:</b>												
<b>YEAR ENDED 12/31/20XX</b>												
	(aa)	(bb)	(cc)	(dd)	(ee)	(ff)	(gg)	(hh)	(ii)	(jj)	(kk)	
<b>Long Term Debt Issuances</b>	Affiliate	Issue Date	Maturity Date	Amount Issued	(Discount) Premium at Issuance	Issuance Expense	Loss/Gain on Recquired Debt	Net Proceeds (col. cc + col. dd - col. ee - col. ff)	Net Proceeds Ratio (col. gg / col. cc) *100)	Coupon Rate Percentage (%)	Annual Interest (col. cc *col. ii)	Effective Cost Rate* (Yield to Maturity at Issuance, t = 0)
(1)												
(2)												
(3)												
(4)												
(5)												
	TOTALS											

\* YTM at issuance calculated from an acceptable bond table or from YTM = Internal Rate of Return (IRR) calculation  
Effective Cost Rate of Individual Debenture (YTM at issuance): the t=0 Cashflow C<sub>0</sub> equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows (C<sub>t=1</sub>, C<sub>t=2</sub>, etc.).

**Transmission Enhancement Charge (TEC) Worksheet**  
To be completed in conjunction with Attachment H-4A

Line No.	(1) Reference	(3) Transmission	(4) Allocator
1	Gross Transmission Plant - Total		Attach. H-4A, p. 2, line 2, col. 5 (Note A)
2	Net Transmission Plant - Total		Attach. H-4A, p. 2, line 14, col. 5 (Note B)
<b>O&amp;M EXPENSE</b>			
3	Total O&M Allocated to Transmission		Attach. H-4A, p. 3, line 6, col. 5
4	Annual Allocation Factor for O&M		(line 3 divided by line 1, col. 3)
<b>GENERAL &amp; INTANGIBLE (G &amp; I) DEPRECIATION EXPENSE</b>			
5	Total G & I depreciation expense		Attach. H-4A, p. 3, line 9, col. 5
6	Annual allocation factor for G & I depreciation expense		(line 5 divided by line 1, col. 3)
<b>TAXES OTHER THAN INCOME TAXES</b>			
7	Total Other Taxes		Attach. H-4A, p. 3, line 11, col. 5
8	Annual Allocation Factor for Other Taxes		(line 7 divided by line 1, col. 3)
<b>9</b>	<b>Annual Allocation Factor for Expense</b>		<b>Sum of line 4, 6, &amp; 8</b>
<b>INCOME TAXES</b>			
10	Total Income Taxes		Attach. H-4A, p. 3, line 13, col. 5
11	Annual Allocation Factor for Income Taxes		(line 10 divided by line 2, col. 3)
<b>RETURN</b>			
12	Return on Rate Base		Attach. H-4A, p. 3, line 14, col. 5
13	Annual Allocation Factor for Return on Rate Base		(line 12 divided by line 2, col. 3)
<b>14</b>	<b>Annual Allocation Factor for Return</b>		<b>Sum of line 11 and 13</b>

Columns 5-9 (page 1) only applies with incentive ROE project(s) (Note F)					
Line No.	(5)	(6)	(7) Reference	(8) Transmission	(9) Allocator
<b>INCOME TAXES</b>					
10b	Total Income Taxes		Attachment 2, line 33		
11b	Annual Allocation Factor for Income Taxes		(line 10b divided by line 2, col. 3)		
<b>RETURN</b>					
12b	Return on Rate Base		Attachment 2, line 22		
13b	Annual Allocation Factor for Return on Rate Base		(line 12b divided by line 2, col. 3)		
<b>14b</b>	<b>Annual Allocation Factor for Return</b>		<b>Sum of line 11b and 13b</b>		
<b>15</b>	<b>Additional Annual Allocation Factor for Return</b>		<b>Line 14 b, col. 9 less line 14, col. 4</b>		

**Transmission Enhancement Charge (TEC) Worksheet**  
To be completed in conjunction with Attachment H-4A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
Line No.	Project Name	RTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	Additional Incentive Annual Allocation	Total Annual Revenue Requirement	True-up Adjustment	Net Revenue Requirement
			(Page 1, line 9) (Note C & H)	(Col. 3 * Col. 4)	(Note D & H)	Page 1, line 14	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8, & 9)	(Col. 6 * Page 1, line 15, Col. 9)	(Sum Col. 10 & 11)	(Note G)	(Sum Col. 12 & 13)	
1														

- 3 Transmission Enhancement Credit taken to Attachment H-4A Page 1, Line 3, Col. 3
- 4 Additional Incentive Revenue taken to Attachment H-4A, Page 3, Line 16

Notes

- A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-4A.
- B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-4A.
- C Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1 above. This value includes subsequent capital investments required to maintain the project in-service.
- D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- E Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment H-4A, page 3, line 8.
- F Any actual ROE incentive must be approved by the Commission
- G True-up adjustment is calculated on the project true-up schedule, attachment 12 column j
- H Based on a 13-month average



**TEC Worksheet Support**  
 Net Plant Detail

Line No.	Project Name	RTEP Project Number	Project Gross Plant	Dec-XX	Jan-XX	Feb-XX	Mar-XX	Apr-XX	May-XX	Jun-XX	Jul-XX	Aug-XX	Sep-XX	Oct-XX	Nov-XX	Dec-XX
			(Note A)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)

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 13-month average. [B] Company records

**TEC Worksheet Support**  
 Net Plant Detail

<b>Accumulated Depreciation</b>	<b>Dec-XX</b>	<b>Jan-XX</b>	<b>Feb-XX</b>	<b>Mar-XX</b>	<b>Apr-XX</b>	<b>May-XX</b>	<b>Jun-XX</b>	<b>Jul-XX</b>	<b>Aug-XX</b>	<b>Sep-XX</b>	<b>Oct-XX</b>	<b>Nov-XX</b>	<b>Dec-XX</b>	<b>Project Net Plant</b>
(Note C)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note C & D)

NOTE

[B] Company records [C] Utilizing a 13-month average. [D] Taken to Attachment 11, Page 2, Col. 6

**TEC – True-up**

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

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
Line No.	Project Name	RTEP Project Number	Actual Revenues for Attachment 11	Projected Annual Revenue Requirement	% of Total Revenue Requirement	Revenue Received	Actual Annual Revenue Requirement	True-up Adjustment Principal Over/(Under)	Applicable Interest Rate on Over/(Under)	Total True-up Adjustment with Interest Over/(Under)
		Attachment 13b line 26, Col. E	PTRR (True-up Vintage) Attachment 11 p 2 of 2, col. 14	Col d, line 2 / col. d, line 3	Col c, line 1 * Col e	ATRR (True-up Vintage) Attachment 11 p 2 of 2, col. 14	Col. f - Col. G	Col. H line 2x / Col. H line 3* Col. J line 4	Col. h + Col. i	
1	[A] Actual RTEP Credit Revenues for true-up year									
2a	Project 1			-	-	-	-	-		
2b	Project 2				-	-		-		
2c	Project 3				-	-		-		
3	Subtotal			-			-	-		
4	Total Interest (Sourced from Attachment 13a, line 49)									-

NOTE

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

Line	(A) Month	(B) Annual Rate	(C) Monthly	(D) True-Up Adj.	(E) Interest	(F) Compounding
1	Jan-xx	-	-	0.0833	-	-
2	Feb-xx	-	-	0.1667	-	-
3	Mar-xx	-	-	0.2500	-	-
4	Apr-xx	-	-	0.3333	-	-
5	May-xx	-	-	0.4167	-	-
6	Jun-xx	-	-	0.5000	-	-
7	Jul-xx	-	-	0.5833	-	-
8	Aug-xx	-	-	0.6667	-	-
9	Sep-xx	-	-	0.7500	-	-
10	Oct-xx	-	-	0.8333	-	-
11	Nov-xx	-	-	0.9167	-	-
12	Dec-xx	-	-	1.0000	-	-
13			Year 1 True-Up Adjustment + Interest EB	1.0000		
14	Jan-xx	-	-	1.0000	-	-
15	Feb-xx	-	-	1.0000	-	-
16	Mar-xx	-	-	1.0000	-	-
17	Apr-xx	-	-	1.0000	-	-
18	May-xx	-	-	1.0000	-	-
19	Jun-xx	-	-	1.0000	-	-
20	Jul-xx	-	-	1.0000	-	-
21	Aug-xx	-	-	1.0000	-	-
22	Sep-xx	-	-	1.0000	-	-
23	Oct-xx	-	-	1.0000	-	-
24	Nov-xx	-	-	1.0000	-	-
25	Dec-xx	-	-	1.0000	-	-
26			Year 2 True-Up Adjustment + Interest EB	1.0000		
27			Principle Amortization	0.0833		
28			Interest Amortization	-	(Found using Excel Solver/Goal Seek/or equivalent)	
29			Year 3 Monthly Amortization	0.0833		
30	Jan-xx	-	-	0.9167	-	-
31	Feb-xx	-	-	0.8333	-	-
32	Mar-xx	-	-	0.7500	-	-
33	Apr-xx	-	-	0.6667	-	-
34	May-xx	-	-	0.5833	-	-
35	Jun-xx	-	-	0.5000	-	-
36	Jul-xx	-	-	0.4167	-	-
37	Aug-xx	-	-	0.3333	-	-
38	Sep-xx	-	-	0.2500	-	-
39	Oct-xx	-	-	0.1667	-	-
40	Nov-xx	-	-	0.0833	-	-
41	Dec-xx	-	-	-	-	-
42			Year 3 True-Up Adjustment + Interest EB	-		
43			Total Amount Refunded/Surcharged	1.0000		
44			True-Up Before Interest	1.0000		
45			Interest Refunded/Surcharged	-		
46			Attachment 13b - PJM Billings, Line 13, Col. E:	-		
47		xxxx	Rate Year ATRR (c):	-		
48			Base Refund or (Surcharge):	-		
49			Interest (Line 45 × Line 48):	+		
50			Total Refund or (Surcharge):	-		

Notes

(a) Interest rate inputs will be equal to C.F.R. 35.19a.

(b) The interest rate to be applied to the True-up will be determined as follows: (i) for time periods for which there is an interest rate posted on FERC's website, the True-up will reflect each applicable quarter's annual rate; (ii) for time periods for which there is no interest rate posted on FERC's website (i.e., future time periods, in which an interest rate is not yet available), the True-up will reflect the last known quarter's annual rate, as posted on FERC's website and as determined prior to the posting of the JCP&L PTRR that includes the applicable True-up.

(c) The ATRR is used to compare against the billed revenue in the true-up calculation. This section will not contain true-up amounts.

Line	(A) Month	(B) Annual Rate	(C) Monthly	(D) True-Up Adj.	(E) Interest	(F) Compounding
1	Jan-xx	-	-	0.0833	-	-
2	Feb-xx	-	-	0.1667	-	-
3	Mar-xx	-	-	0.2500	-	-
4	Apr-xx	-	-	0.3333	-	-
5	May-xx	-	-	0.4167	-	-
6	Jun-xx	-	-	0.5000	-	-
7	Jul-xx	-	-	0.5833	-	-
8	Aug-xx	-	-	0.6667	-	-
9	Sep-xx	-	-	0.7500	-	-
10	Oct-xx	-	-	0.8333	-	-
11	Nov-xx	-	-	0.9167	-	-
12	Dec-xx	-	-	1.0000	-	-
13			Year 1 True-Up Adjustment + Interest EB	1.0000		
14	Jan-xx	-	-	1.0000	-	-
15	Feb-xx	-	-	1.0000	-	-
16	Mar-xx	-	-	1.0000	-	-
17	Apr-xx	-	-	1.0000	-	-
18	May-xx	-	-	1.0000	-	-
19	Jun-xx	-	-	1.0000	-	-
20	Jul-xx	-	-	1.0000	-	-
21	Aug-xx	-	-	1.0000	-	-
22	Sep-xx	-	-	1.0000	-	-
23	Oct-xx	-	-	1.0000	-	-
24	Nov-xx	-	-	1.0000	-	-
25	Dec-xx	-	-	1.0000	-	-
26			Year 2 True-Up Adjustment + Interest EB	1.0000		
27			Principle Amortization	0.0833		
28			Interest Amortization	-	(Found using Excel Solver/Goal Seek/or equivalent)	
29			Year 3 Monthly Amortization	0.0833		
30	Jan-xx	-	-	0.9167	-	-
31	Feb-xx	-	-	0.8333	-	-
32	Mar-xx	-	-	0.7500	-	-
33	Apr-xx	-	-	0.6667	-	-
34	May-xx	-	-	0.5833	-	-
35	Jun-xx	-	-	0.5000	-	-
36	Jul-xx	-	-	0.4167	-	-
37	Aug-xx	-	-	0.3333	-	-
38	Sep-xx	-	-	0.2500	-	-
39	Oct-xx	-	-	0.1667	-	-
40	Nov-xx	-	-	0.0833	-	-
41	Dec-xx	-	-	-	-	-
42			Year 3 True-Up Adjustment + Interest EB	-		
43			Total Amount Refunded/Surcharged	1.0000		
44			True-Up Before Interest	1.0000		
45			Interest Refunded/Surcharged	-		
46			Attachment 13b - PJM Billings, Line 26, Col. E:	-		
47		xxxx	Rate Year ATRR (c):	-		
48			Base Refund or (Surcharge):	-		
49			Interest (Line 45 × Line 48):	+		
50			Total Refund or (Surcharge):	-		

Notes

(a) Interest rate inputs will be equal to C.F.R. 35.19a.

(b) The interest rate to be applied to the True-up will be determined as follows: (i) for time periods for which there is an interest rate posted on FERC's website, the True-up will reflect each applicable quarter's annual rate; (ii) for time periods for which there is no interest rate posted on FERC's website (i.e., future time periods, in which an interest rate is not yet available), the True-up will reflect the last known quarter's annual rate, as posted on FERC's website and as determined prior to the posting of the JCP&L PTRR that includes the applicable True-up.

(c) The ATRR is used to compare against the billed revenue in the true-up calculation. This section will not contain true-up amounts.

(A)	(B)	(C)	(D)	(E)	
Line	Month	PJM Bill NITS Charge Code	True-up (a)	Other (b)	Total
1	January	-			-
2	February	-			-
3	March	-			-
4	April	-			-
5	May	-			-
6	June	-			-
7	July	-			-
8	August	-			-
9	September	-			-
10	October	-			-
11	November	-			-
12	December	-			-
13	Total	-	-	-	-

(A)	(B)	(C)	(D)	(E)	
Line	Month	PJM Bill TEC Charge Code	True-up (a)	Other (b)	Total
14	January	-			-
15	February	-			-
16	March	-			-
17	April	-			-
18	May	-			-
19	June	-			-
20	July	-			-
21	August	-			-
22	September	-			-
23	October	-			-
24	November	-			-
25	December	-			-
26	Total	-	-	-	-

**Notes**

- (a) The PJM NITS & TEC charges will include a true-up for the over/under recovery from a prior rate period.
- (b) JCP&L to include any necessary prior period adjustments including those identified through the discovery or challenge procedures, as defined within the protocols.

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	
Ln.	Text Description	Allocator (b) (d) (f)	Exp. Acct. (e)	2019 Decem ber 31	2020 Janu ary 31	2020 Februa ry 28/29	2020 Mar ch 31	202 0 9 Ap ril 30	202 0 9 Ma y 31	202 0 9 Ju ne 30	20 20 Jul y 31	2020 Aug ust 31	2020 Septem ber 30	2020 Octo ber 31	2020 Novem ber 30	2020 Decem ber 31	Aver age	Allocator Output (b)	To Transmi ssion
1	FERC Account No. 165																		
1.0	Prepayment Item 1																		
1.0	Prepayment Item 2																		
1.0	Prepayment Item 3																		
1.X	Prepayment Item 4																		
X	Sum of Lines 1.01 through 1.XX																		
2	FERC Form No. 1 p.111.57.d & c																		
3	FERC Account No. 154 (Transmission Only) FERC Form No. 1 p.227.8.b & c																		
4	FERC Account No. 105 (Transmission Only) FERC Form No. 1 p.214...d																		
5																			

**Notes**  
(a) Average calculated as [Sum of Columns (D) through (P)] ÷ 13.  
(b) Allocator must be DA, TE, TP, GP, WS, CE, or EXCL.  
(c) JCP&L may add or remove sublines for prepayments without a FPA Section 205 filing.  
(d) Prepaid income taxes and other prepayments that are considered short-term (12-months or less amortization period) shall have an allocator of "EXCL."  
(e) The expense account will only be populated with prepaid expense items included in transmission rates.  
(f) Any line item allocated by "EXCL" will only show year-end balances.

Ln.	(A) Text Description	(B) Exp. Acct.	(C) through (O)												(Q)		(S) To Formula Rate (Col. P x Col. R) (c)		
			(C) 2019 December 31	(D) 2020 January 31	(E) 2020 February 28/29	(F) 2020 March 31	(G) 2020 April 30	(H) 2020 May 31	(I) 2020 June 30	(J) 2020 July 31	(K) 2020 August 31	(L) 2020 September 30	(M) 2020 October 31	(N) 2020 November 30	(O) 2020 December 31	(P) JCP&L Average (a)		(R) Alloc ator Output	
1																			
2	FERC Account No. 228.1 (d)																		
2.01																			
2.02																			
3	Sum of Lines 2.01 through 2.02																		
4	FERC Account No. 228.2 (d)																		
4.01																			
4.02																			
5	Sum of Lines 4.01 through 4.02																		
6	FERC Account No. 228.3 (d)																		
6.01																			
6.02																			
7	Sum of Lines 6.01 through 6.02																		
8	FERC Account No. 228.4 (d)																		
8.01																			
8.02																			
9	Sum of Lines 8.01 through 8.02																		
10	FERC Account No. 242 (d)																		
10.01																			
10.02																			
11	Sum of Lines 10.01 through 10.02																		
12	Other Reserves (d)																		
12.01																			
12.02																			
13	Sum of Lines 12.01 through 12.02																		
14	Total Reserves (Line 3 + Line 5 + Line 7 + Line 9 + Line 11 + Line 13)																		

**Notes**  
(a) Average calculated as (Sum of Columns (C) through (O)) + 13.  
(b) JCP&L may add or remove sublines without a FPA Section 205 filing.  
(c) JCP&L to include as a credit to rate base on Attachment H-4A, page 2, line 20.  
(d) JCP&L to include total company balances to allocate to the transmission formula rate component and will only show underlying expense accounts for items that are included as a reduction to rate base.



Line	Item		New Jersey			Combined Tax Rate	
1	State						
2	Nominal Federal Tax Rate (FIT)		0.00%	+	0.00%	+	0.00%
3	Apportionment Percentage (p)		0.00%	+		+	0.00%
4	Nominal State Tax Rate		0.00%	+		+	0.00%
5	Percent of Federal Deducted for State		0.00%	+		+	0.00%
6	Line 3 × Line 4		0.00%	+		+	0.00%
7	Line 3 × Line 5		0.00%	+		+	0.00%
8		T =	0.00%	=	1 - {[ (1 - SIT) * (1 - FIT) ] / (1 - SIT * FIT * p)}		
9	Composite Tax Factor (CTF)	=	#DIV/0!	=	(T / (1 - T)) * (1 - (WCLTD / ROR))		
10					where WCLTD = Attachment H4-A, page 4, line 12, and		
11					R= (page 4, line 15)		
12	Tax Gross-up Factor (TGUF)	=	0.00%	=	(T / (1 - T))		
13	Return on Rate Base		#DIV/0!		Attachment H-4A, Page 3, Line 15, Col. 5		
14	Composite Tax Factor	×	#DIV/0!				
15	Preliminary Income Taxes Allowable		#DIV/0!				
16	AFUDC Equity (b)		-				
17	Amortization of ITC Tax Credit (a)		-	=	-	×	GP
18	Amortization of (Excess)/Deficient Deferred Income Tax (c)	+	-	=	Attachment 15a, Line 21, Col. (M)		
19	Income Tax Adjustments		-				
20	Gross-up on Income Tax Adjustments	+	-	=	Line 19 × TGUF		
21	Grossed-Up Income Tax Adjustments		-				
22	Income Taxes Allowable		#DIV/0!	=	Line 15 + Line 21		

Notes

(a) FERC Form No. 1, page 266.8.f.

(b) The source shall be company records for current-year AFUDC Equity Depreciation. No additional permanent tax differences may be included without JCP&L making a Section 205 filing.

(c) JCP&L to provide additional attachments for each tax rate change and aggregate related amortization.

Line	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
	Description	(Range) Multiple of ABAM Reg Balance of Line 10	Current Paid of Other Assets	Net Transmittable EDEBT Balance (E-1)	Property for EDEBT project 2	Property for EDEBT project 3	Amount of cash on hand	Amount Paid	ABAM Year of Encumbrance	Unencumbered Balance of Year EDEBT (E)	Amortization for year ABAM	ABAM Associate #	Net Transmittable EDEBT Amortization	Amortization Account
1	EDEBT New Property													
2	FEB Account No. 199 EDEBT													4001
2.01														4001
2.02														4001
2.03														4001
2.04														4001
2.05														4001
2.06														4001
2.07														4001
2.08														4001
2.09														4001
2.10														4001
2.11														4001
2.12														4001
2.13														4001
2.14														4001
2.15														4001
2.16														4001
2.17														4001
2.18														4001
3	Total FEB Account No. 199 EDEBT (Sum of 2) (col 14)													4001
4	FEB Account No. 201 EDEBT													4001
4.01														4001
5	Total FEB Account No. 201 EDEBT (Sum of 4) (col 14)													4001
6	FEB Account No. 202 EDEBT													4001
6.01														4001
6.02														4001
6.03														4001
6.04														4001
6.05														4001
6.06														4001
6.07														4001
6.08														4001
6.09														4001
6.10														4001
6.11														4001
7	Total FEB Account No. 202 EDEBT (Sum of 6) (col 14)													4001
8	Subtotal EDEBT New Property before Growth (Sum of Lines 3, 5, and 7)													
9	Non-Property Growth (Line 8 - FGCR)													
10	CATEGORY 2: Total Non-Property After Growth (Line 8 - Line 9)													
11	EDEBT Property													
12	FEB Account No. 199 EDEBT													4001 90.1
12.01	Property Book-De Timing Difference													
13	Total FEB Account No. 199 EDEBT													4001 90.1
14	FEB Account No. 201 EDEBT													4001 90.1
14.01	Property Book-De Timing Difference													
15	Total FEB Account No. 201 EDEBT													4001 90.1
16	FEB Account No. 202 EDEBT													4001 90.1
16.01	Property Book-De Timing Difference													
17	Total FEB Account No. 202 EDEBT													4001 90.1
18	Subtotal EDEBT Property before Growth (Sum of Lines 12, 15, and 17)													
19	Property Growth (Line 18 - FGCR)													
20	CATEGORY 3: Total Property after Growth (Line 18 + Line 19)													
21	Total EDEBT before Growth (Line 8 + Line 19)													
22	Total EDEBT after Growth (Line 19 + Line 20)													

Notes:  
 (a) FGCR shall provide endogenous supporting accounts shown in Column (H) for all EDEBT and EDEBT loans for any future tax rate changes.  
 (b) FGCR shall add or remove as many columns as needed to adequately show the detail of its balance.  
 (c) FGCR to include only balances attributable to transmission.  
 Notes:  
 (d) Per settlement of Order No. EDCN-207, the amortization schedule of the EDEBT EDEBT balances related to Tax Cuts and Job Act of 2017 by classification is:  
 Protected Property & Non-Protected Property: ABAM  
 Non-Protected, Non-Property: 10  
 Protected, Non-Property: 20

**Abandoned Plant**

[1]	[2]	[3] Months Remaining In Amortization Period	[4] Beginning Balance	[5] Amortization Expense (p114.10.c)	[6] Additions (Deductions)	[7] Ending Balance
1	<b>Monthly Balance</b>	Source				
2	December 20XX	p111.71.d (and Notes)	13			
3	January	FERC Account 182.2	12			
4	February	FERC Account 182.2	11			
5	March	FERC Account 182.2	10			
6	April	FERC Account 182.2	9			
7	May	FERC Account 182.2	8			
8	June	FERC Account 182.2	7			
9	July	FERC Account 182.2	6			
10	August	FERC Account 182.2	5			
11	September	FERC Account 182.2	4			
12	October	FERC Account 182.2	3			
13	November	FERC Account 182.2	2			
14	December 20XX	p111.71.c (and Notes) Detail on p230b	1			
15	<b>Ending Balance 13-Month Average</b>	(sum lines 2-14) /13				

Attachment H-4A, page 3, Line 10      Attachment H-4A, page 2, Line 23

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

L. n.	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)
	Project ID	Text Description	FERC Docket No.	Project Start Date	Original In-Service Date	Revised In-Service Date	2019	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	Average (a)	Alloc. (b)	Alloc. or Ombuds	To Transmission
1	Construction Work in Progress																						
2a	[Placeholder 1]																						
2b	[Placeholder 2]																						
3	Total CWIP in Rate Base																						

**Notes:**  
 (a) Average calculated as [Sum of Columns (G) through (S)] ÷ 13.  
 (b) The allocator in Col. (U) must be zero unless otherwise authorized by order from the FERC. This page will only be populated at such time that CWIP is approved to be included within rate base by FERC.

Ln.	(A) Text Description	(B) Allocator	(C) Amount	x	(D) Allocator Output	=	(E) To Transmission
1	<b>FERC Account No. 451</b>						
1.01					-		-
1.XX					-		-
2	Sum of Lines 1.01 through 1.XX		-				-
3	<b>FERC Account No. 454 (d)</b>						
3.01			-		-		-
3.XX					-		-
4	Sum of Lines 3.01 through 3.XX		-				-
5	<b>FERC Account No. 456 (e)</b>						
5.01			-		-		-
5.XX					-		-
6	Sum of Lines 5.01 through 5.XX		-				-
7	<b>Other</b>						
7.01					-		-
7.XX					-		-
8	Sum of Lines 7.01 through 7.XX		-				-
9	Sum of Lines 2, 4, 6, and 8						-

**Notes**

(a) Allocator must be DA, TE, TP, GP, WS, CE, or EXCL.

(b) JCP&L may add or remove sublines without a FPA Section 205 filing.

(c) JCP&L to populate column C if item is partially or wholly allocated to the transmission revenue requirement.

(d) Includes income related only to transmission facilities, such as pole attachments, rentals and special use.

(e) 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.



(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
Line	FERC A/C	Title	FERC Form No. 1 Citation	FERC Form No. 1 Balance	TE Allocator	Total Transmission	Transmission Exclusions (a)	To Revenue Req.	
1	560	Operation Supervision and Engineering	Page 321.83.b	-	-	-	-	-	
2	561.1	Load Dispatch-Reliability	Page 321.85.b	-	-	-	-	-	
3	561.2	Load Dispatch-Monitor and Operate Transmission System	Page 321.86.b	-	-	-	-	-	
4	561.3	Load-Dispatch-Transmission Service and Scheduling	Page 321.87.b	-	-	-	-	-	
5	561.4	Scheduling, System Control and Dispatch Services	Page 321.88.b	-	-	-	-	-	
6	561.5	Reliability, Planning and Standards Development	Page 321.89.b	-	-	-	-	-	
7	561.6	Transmission Service Studies	Page 321.90.b	-	-	-	-	-	
8	561.7	Generation Interconnection Studies	Page 321.91.b	-	-	-	-	-	
9	561.8	Reliability, Planning and Standards Development Services	Page 321.92.b	-	-	-	-	-	
10	562	Station Expenses	Page 321.93.b	-	-	-	-	-	
11	563	Overhead Lines Expense	Page 321.94.b	-	-	-	-	-	
12	564	Underground Lines Expense	Page 321.95.b	-	-	-	-	-	
13	565	Transmission of Electricity by Others	Page 321.96.b	-	-	-	-	-	
14	566	Miscellaneous Transmission Expense	Page 321.97.b	-	-	-	-	-	
15	567	Rents	Page 321.98.b	-	-	-	-	-	
16	568	Maintenance Supervision and Engineering	Page 321.101.b	-	-	-	-	-	
17	569	Maintenance of Structures	Page 321.102.b	-	-	-	-	-	
18	569.1	Maintenance of Computer Hardware	Page 321.103.b	-	-	-	-	-	
19	569.2	Maintenance of Computer Software	Page 321.104.b	-	-	-	-	-	
20	569.3	Maintenance of Communication Equipment	Page 321.105.b	-	-	-	-	-	
21	569.4	Maintenance of Miscellaneous Regional Transmission Plant	Page 321.106.b	-	-	-	-	-	
22	570	Maintenance of Station Equipment	Page 321.107.b	-	-	-	-	-	
23	571	Maintenance of Overhead Lines	Page 321.108.b	-	-	-	-	-	
24	572	Maintenance of Underground Lines	Page 321.109.b	-	-	-	-	-	
25	573	Maintenance of Miscellaneous Transmission Plant	Page 321.110.b	-	-	-	-	-	
26		Sum of Lines 1 through 25		-	-	-	-	-	

Line	FERC A/C	Title	FERC Form No. 1 Citation	FERC Form No. 1 Balance	Production Exclusion (b)	Total Excluding Production	Allocator	Total Transmission	Transmission Exclusions (a)	To Revenue Req.
27	920	Administrative and General Salaries	Page 323.181.b	-	-	-	1,000.00	-	-	-
28	921	Office Supplies and Expenses	Page 323.182.b	-	-	-	1,000.00	-	-	-
29	922	Administrative Expenses Transferred - Credit	Page 323.183.b	-	-	-	1,000.00	-	-	-
30	923	Outside Services Employed	Page 323.184.b	-	-	-	1,000.00	-	-	-
31	924	Property Insurance	Page 323.185.b	-	-	-	1,000.00	-	-	-
32	925	Injuries and Damages	Page 323.186.b	-	-	-	1,000.00	-	-	-
33	926	Employee Pensions and Benefits	Page 323.187.b	-	-	-	1,000.00	-	-	-
34	927	Franchise Requirements	Page 323.188.b	-	-	-	1,000.00	-	-	-
35	928	Regulatory Commission Expense	Page 323.189.b	-	-	-	1,000.00	-	-	-
36	929	(Less) Duplicate Charges-Cr.	Page 323.190.b	-	-	-	1,000.00	-	-	-
37	930.1	General Advertising Expenses	Page 323.191.b	-	-	-	1,000.00	-	-	-
38	930.2	Miscellaneous General Expenses	Page 323.192.b	-	-	-	1,000.00	-	-	-
39	931	Rents	Page 323.193.b	-	-	-	1,000.00	-	-	-
40	935	Maintenance of General Plant	Page 323.196.b	-	-	-	1,000.00	-	-	-
41		Sum of Lines 27 through 40		-	-	-	-	-	-	-
42										Total OpEx (Line 26 + Line 41)

Notes:

- (a) Excluded costs specifically include, but are not limited to any amortization related to Regulatory Assets for which FERC approval has not been granted, EPRI dues and non-safety advertising included within 930.1. Regulatory commission expenses within 928 that are directly assigned in total or portions allocated to distribution; accounts 561.4, 561.8, and 575.7 that consist of RTO expenses billed to load-serving entities and account 565 transmission of electricity by others.
- (b) All production labor or expenses to be excluded from A&G accounts.
- (c) JCP&L to include only balances attributable to transmission.

**ATTACHMENT H-4B**  
**Jersey Central Power & Light Company**  
**Formula Rate Implementation Protocols**  
**ANNUAL TRUE-UP, INFORMATION EXCHANGE,**  
**AND CHALLENGE PROCEDURES**

**Definitions**

“Actual Transmission Revenue Requirement” or “ATRR” means the actual net transmission revenue requirement calculated and posted on the PJM website no later than June 10 of each year subsequent to calendar year 2020 for the immediately preceding calendar year in accordance with JCP&L’s Formula Rate and based upon JCP&L’s actual costs and expenditures.

“Annual Update” means JCP&L’s ATRR for the preceding calendar year, as well as the True-up for the prior Rate Year, as posted on or before June 10 of each year.

“Formal Challenge” means a written challenge to an Annual Update or Projected Transmission Revenue Requirement submitted to the Federal Energy Regulatory Commission (the “Commission” or “FERC”) as provided in Section IV below.

“Formula Rate” means the collection of formulas and worksheets, unpopulated with any data, included as Attachment H-4A of the PJM Tariff.

“Interested Parties” include, but are not limited to, customers under the PJM Tariff, state utility regulatory commissions, the Organization of PJM States, Inc., consumer advocacy agencies, and state attorneys general.

“PJM Tariff” means the Open Access Transmission Tariff of the PJM Interconnection, L.L.C.

“Preliminary Challenge” means a written challenge to the Annual Update or Projected Transmission Revenue Requirement submitted to JCP&L as provided in Section IV below.

“Projected Transmission Revenue Requirement” or “PTRR” means the projected net transmission revenue requirement calculated for the forthcoming Rate Year, as well as, where applicable, the most recently calculated True-up, with interest, to be posted on the PJM website no later than October 31 of each year for rates effective the next calendar year starting January 1.

“Protocols” means these Protocols, included as Attachment H-4B of the PJM Tariff).

“Publication Date” means the date on which the Annual Update is posted.

“Rate Year” means the twelve consecutive month period that begins on January 1 and continues through December 31.



“True-up” means the difference between the revenues collected by PJM based on the PTRR (net of the True-up from the prior year) and the ATRR for the same Rate Year, which shall be provided in the Annual Update on or before June 10 of the year subsequent to the Rate Year. The True-up will be a component of the PTRR.

### **Section I. Applicability**

The following procedures shall apply to the Jersey Central Power & Light Company (“JCP&L”) calculation of its Actual Transmission Revenue Requirement, True-up, and Projected Transmission Revenue Requirement.

### **Section II. Annual Update and Projected Transmission Revenue Requirement**

- A. On or before June 10 of each year subsequent to calendar year 2020, JCP&L shall determine its Annual Update for the immediately preceding calendar year under Attachment H-4A and Section VII of these Protocols, including calculation of the True-up to be included in JCP&L’s PTRR for the subsequent Rate Year.
- B. On or before June 10 of each year subsequent to calendar year 2020, JCP&L shall provide its Annual Update for the immediately preceding calendar year to PJM and cause such information to be posted on the PJM website. Within two (2) days of such posting, JCP&L shall provide notice of such posting via an e-mail exploder list.
- C. On or before September 1 JCP&L shall upon request provide any Interested Party with:
  - (1) information showing (a) each transmission project forecasted to be placed into service in the following Rate Year that is expected to have a direct cost of \$1,000,000 (one million dollars) or greater, and a breakdown of the projected direct costs of each such project in as much detail as is reasonably available; and (b) purchases of categories of capital equipment (e.g., switches, transformers, relays, etc.) \$1,000,000 (one million dollars) or greater in the aggregate that are forecasted to enter service during the following Rate Year, either through the use of such capital equipment in projects forecasted to be placed in service during the following Rate Year or as spare plant that JCP&L determines to be needed for the safe and reliable operation of the transmission system in accordance with Good Utility Practice during the following Rate Year; and (2) a statement setting forth the basis for JCP&L’s determination that each such transmission project or capital equipment purchase, as applicable, is needed for service during the following Rate Year (which statement may be based on a determination that the placement of the project or equipment purchases into service during the following Rate Year, as described below, is needed as part of a larger multi-year transmission project or equipment purchase project, as applicable). JCP&L’s provision of such information shall be subject to the protection of any confidential information, as needed, under non-disclosure agreements that are based on FERC’s Model Protective Order.

- D. JCP&L shall provide: (1) to PJM, JCP&L's PTRR for rates to be effective the following Rate Year, by October 31, and (2) upon request to any Interested Party by October 31, (a) a list of the transmission projects and capital equipment purchases included in the PTRR capital projections, which shall be projects and capital equipment forecasted to enter service through projects in service or as spare plant during the Rate Year that is the subject to the PTRR; (b) a copy of the approved budget and/or construction plan pursuant to which such projects and equipment purchases have been undertaken; (c) a statement setting forth the basis for JCP&L's determination that each such transmission project or capital equipment purchase, as applicable, is needed for service during the following Rate Year (which statement may be based on a determination that the placement of the project or equipment purchase into service during the following Rate Year is needed as part of a larger multi-year transmission project or equipment purchase project, as applicable). With respect to the information referenced in clause (1), on October 31, JCP&L shall provide via an email exploder list: (i) its PTRR for rates to be effective the following Rate Year; and (ii) notice of such posting. With respect to the information described in clause (2), JCP&L's provision of such information shall be subject to the protection of any confidential information, as needed, under non-disclosure agreements that are based on FERC's Model Protective Order.
- E. If the date for posting the Annual Update or PTRR falls on a weekend or a holiday recognized by FERC, then the posting shall be due on the next business day. The date on which posting of the Annual Update occurs shall be that year's Publication Date. Any delay in the Publication Date or in the posting of the PTRR will result in an equivalent extension of time for the submission of information requests discussed in Section III of these Protocols. If the deadline for any event under these Protocols falls on a weekend or a holiday recognized by the Commission, the deadline for such event shall be extended to the next business day.
- F. The ATRR shall:
1. Include a workable data-populated version of the Formula Rate template and underlying work papers in Excel format with all formulas and links intact;
  2. Be based on JCP&L's FERC Form No. 1 for the prior calendar year;
  3. Provide the Formula Rate calculations and all inputs thereto, as well as supporting documentation and work papers for data that are used in the ATRR that are not otherwise available in the FERC Form No. 1, subject to the protection of any confidential information, as needed, under non-disclosure agreements that are based on FERC's Model Protective Order;
  4. Provide sufficient information to enable Interested Parties to replicate the

calculation of the ATRR results from the FERC Form No. 1;

5. Identify any changes in the formula references (page and line numbers) to the FERC Form No. 1;
6. Identify and, to the extent not explained in a worksheet included in the ATRR, explain, all material adjustments made to the FERC Form No. 1 data in determining formula inputs, including relevant footnotes to the FERC Form No. 1 and any adjustments not shown in the FERC Form No. 1;
7. Provide underlying data for Formula Rate inputs that provide greater granularity than is required for the FERC Form No. 1;
8. With respect to any change in accounting that affects inputs to the Formula Rate or the resulting charges billed under the Formula Rate (“Accounting Change”):
  - a. Identify any Accounting Change, including:
    - i. the initial implementation of an accounting standard such as a new requirement under Generally Accepted Accounting Principles (“GAAP”) or changes to GAAP, or policy;
    - ii. the initial implementation of accounting practices for unusual or unconventional items where FERC has not provided specific accounting direction;
    - iii. the initial implementation of accounting changes in the reporting of the FERC Form No. 1 accounts from the prior year to the current year to the extent such change(s) affect(s) the Formula Rate revenue requirement: changes in (1) FERC’s Uniform System of Accounts, (2) FERC Form No. 1 reporting requirements as applicable, (3) any FERC ratemaking orders applicable to the Formula Rate, and (4) the accounting policies of JCP&L;
    - iv. correction of errors and prior period adjustments that affect the ATRR and True-up calculation;
    - v. the implementation of new estimation methods or policies that change prior estimates; and
    - vi. changes to income tax elections;
  - b. Identify items included in the ATRR at an amount other than on a historic

cost basis (e.g., fair value adjustments);

- c. Identify any reorganization or merger transaction during the previous year and explain the effect of the accounting for such transaction(s) on inputs to the ATRR; and
- d. Provide, for each item identified pursuant to items II.E.8.a - II.E.8.c above, a narrative explanation of the individual impact of such change on the ATRR; and

It is the intent of the Formula Rate, including the supporting explanations and allocation described therein, that each input to the Formula Rate will be either taken directly from FERC Form No. 1 or reconcilable to FERC Form No. 1 by the application of clearly identified and supported information. If the referenced form is superseded, the successor form(s) shall be utilized and supplemented as necessary to provide equivalent information as that provided in the superseded form. If the referenced form(s) is (are) discontinued, equivalent information as that provided in the discontinued form(s) shall be utilized.

9. Include for the applicable Rate Year the following information related to affiliate cost allocation: (A) a detailed description of the methodologies used to allocate and directly assign costs between JCP&L and its affiliates by service category and function, including any changes to such cost allocation methodologies from the prior year, and the reasons and justification for those changes; and (B) the magnitude of such costs that have been allocated or directly assigned between JCP&L and each affiliate by service category or function.

G. The Projected Transmission Revenue Requirement shall:

1. Include a workable data-populated version of the Formula Rate template and underlying work papers in Excel format with all formulas and links intact;
2. Provide the Formula Rate calculations and all inputs thereto, as well as supporting documentation and work papers for data that are used in the PTRR;
3. Provide sufficient information to enable Interested Parties to replicate the calculation of the PTRR;
4. With respect to any Accounting Change:
  - a. Identify any Accounting Change, including:
    - i. the initial implementation of an accounting standard such as a new

- requirement under Generally Accepted Accounting Principles (“GAAP”) or changes to GAAP, or policy;
- ii. the initial implementation of accounting practices for unusual or unconventional items where FERC has not provided specific accounting direction;
  - iii. the initial implementation of accounting changes in the reporting of the FERC Form No. 1 accounts from the prior year to the current year to the extent such change(s) affect(s) the Formula Rate revenue requirement: changes in (1) FERC’s Uniform System of Accounts, (2) FERC Form No. 1 reporting requirements as applicable, (3) any FERC ratemaking orders applicable to the Formula Rate, and (4) the accounting policies of JCP&L;
  - iv. correction of errors and prior period adjustments that affect the PTRR calculation;
  - v. the implementation of new estimation methods or policies that change prior estimates; and
  - vi. changes to income tax elections;
- b. Identify items included in the PTRR at an amount other than on a historic cost basis (e.g., fair value adjustments);
  - c. Identify any reorganization or merger transaction during the previous year and explain the effect of the accounting for such transaction(s) on inputs to the PTRR; and
  - d. Provide, for each item identified pursuant to items II.F.4.a - II.F.4.c of these Protocols, a narrative explanation of the individual impact of such change on the PTRR.
- H. JCP&L shall hold an open meeting among Interested Parties (“Annual Update Meeting”), to be conducted via Internet webcast, no earlier than ten (10) business days following the Publication Date and no later than July 10. No fewer than seven (7) days prior to such Annual Update Meeting, JCP&L shall provide notice on PJM’s website of the time and date of the Annual Update Meeting, and shall provide notice of the posting via an e-mail exploder list. The Annual Update Meeting shall: (i) permit JCP&L to explain and clarify its ATRR and True-up; and (ii) provide Interested Parties an opportunity to seek information and clarifications from JCP&L about the ATRR and True-up.

- I. JCP&L shall hold an open meeting among Interested Parties (“Annual Projected Rate Meeting”), to be conducted via Internet webcast, no earlier than five (5) business days following the posting of the PTRR (as described in Section II.C of these Protocols) and no later than November 30. No fewer than five (5) days prior to such Annual Projected Rate Meeting, JCP&L shall provide notice on PJM’s website of the time and date of the Annual Projected Rate Meeting, and shall provide notice of the posting via an e-mail exploder list. The Annual Projected Rate Meeting shall: (i) permit JCP&L to explain and clarify its PTRR and (ii) provide Interested Parties an opportunity to seek information and clarifications from JCP&L about the PTRR.

### **Section III. Information Exchange Procedures**

Each Annual Update and PTRR shall be subject to the following information exchange procedures (“Information Exchange Procedures”):

- A. Interested Parties shall have until January 15 following the Publication Date (unless such period is extended with the written consent of JCP&L or by FERC order) to serve reasonable information and document requests on JCP&L (“Information Exchange Period”). If January 15 falls on a weekend or a holiday recognized by FERC, the deadline for submitting all information and document requests shall be extended to the next business day. Such information and document requests shall be limited to what is necessary to determine:
  1. the extent or effect of an Accounting Change;
  2. whether the ATRR or PTRR fails to include data properly recorded in accordance with these Protocols;
  3. the proper application of the Formula Rate and procedures in these Protocols;
  4. the accuracy of data and consistency with the Formula Rate of the calculations shown in the ATRR or PTRR;
  5. the prudence of actual costs and expenditures included in the ATRR or the reasonableness of projected costs and expenditures included in the PTRR, information concerning which may include JCP&L's utilized procurement methods and cost control methodologies, and the basis for and reasonableness of allocating all or any portion of such costs and expenditures to wholesale transmission service;
  6. whether transmission projects or equipment purchases underlying the costs and expenditures included in the ATRR or PTRR are needed for service during the Rate Year (including as part of a larger multi-year transmission project or

- equipment purchase program, as applicable);
7. the effect of any change to the underlying Uniform System of Accounts or FERC Form No. 1; or
  8. any other information that may reasonably have a substantive effect on the calculation of the charge pursuant to the Formula Rate.

The information and document requests shall not be directed to ascertaining whether the Formula Rate is just and reasonable.

- B. JCP&L shall make a good faith effort to respond to any information and document request within fifteen (15) business days of receipt of such request. JCP&L shall respond to all information and document requests by no later than February 25 following the Publication Date, unless the Information Exchange Period is extended by JCP&L or FERC.
- C. JCP&L will serve all information requests from Interested Parties and JCP&L's response(s) to such requests upon any Interested Party that requests such service, subject to the protection of any confidential information contained in such information requests or responses, as needed, under non-disclosure agreements that are based on FERC's Model Protective Order.
- D. JCP&L shall not claim that responses to information and document requests provided pursuant to these Protocols are subject to any settlement privilege in any proceeding addressing JCP&L's Annual Update or PTRR, and such responses may be included in any Formal Challenge or other submittal addressing JCP&L's Annual Update or PTRR.
- E. To the extent JCP&L and any Interested Parties are unable to resolve disputes related to Information Requests submitted in accordance with these Protocols, such dispute will be discussed by senior representatives of JCP&L and the Interested Party(ies). If the representatives are unsuccessful in resolving the dispute, JCP&L or Interested Party(ies) may petition the FERC's On Call Settlement Judge to assist in resolving the dispute.

#### **Section IV. Challenge Procedures**

- A. Interested Parties shall have until March 31 following the Publication Date (unless such period is extended with the written consent of JCP&L or by FERC order) ("Review Period"), to review the inputs, supporting explanations, allocations and calculations and to notify JCP&L in writing, which may be made electronically, of any specific Preliminary Challenges to the Annual Update or PTRR. If the final day of the Review Period falls on a holiday recognized by FERC, the deadline for submitting all Preliminary Challenges shall be extended to the next business day. Failure to pursue an issue through

a Preliminary Challenge or to lodge a Formal Challenge regarding any issue as to a given Annual Update or PTRR shall bar pursuit of such issue with respect to that Annual Update or PTRR under the challenge procedures set forth in these Protocols, but shall not bar pursuit of such issue or the lodging of a Formal Challenge as to such issue as it relates to a subsequent Annual Update or PTRR. This Section IV.A in no way shall affect a party's rights under Federal Power Act ("FPA") section 206 as set forth in Section IV.I of these Protocols.

- B. Preliminary Challenges shall be subject to the resolution procedures and limitations in this Section IV and shall satisfy all of the following requirements.
1. A party submitting a Preliminary Challenge to JCP&L must specify the inputs, supporting explanations, allocations, calculations, or other information to which it objects, and provide an appropriate explanation and documents to support its challenge.
  2. JCP&L shall make a good faith effort to respond to any Preliminary Challenge within twenty (20) business days of written receipt of such challenge.
  3. JCP&L, and where applicable, PJM, shall appoint a senior representative to work with each party that submitted a Preliminary Challenge (or its representative) toward a resolution of the challenge.
  4. If JCP&L disagrees with such challenge, JCP&L will provide the Interested Party(ies) with an explanation supporting the inputs, supporting explanations, allocations, calculations, or other information.
  5. No Preliminary Challenge may be submitted after March 31, and JCP&L must respond to all Preliminary Challenges by no later than April 30 unless the Review Period is extended by JCP&L or FERC, or as provided in Section IV.A above.
  6. JCP&L will serve all Preliminary Challenges and JCP&L's response(s) to such Preliminary Challenges upon any Interested Party that requests such service, subject to the protection of any confidential information contained in such Preliminary Challenges or responses, as needed, under non-disclosure agreements that are based on the FERC's Model Protective Order.
- C. Formal Challenges shall be subject to the resolution procedures and limitations in this Section IV. Formal Challenges shall be filed pursuant to these Protocols and shall satisfy all of the following requirements.
1. A Formal Challenge shall:



- a. Clearly identify the action or inaction which is alleged to violate the filed Formula Rate or these Protocols;
- b. Explain how the action or inaction violates the filed Formula Rate or these Protocols;
- c. Set forth the business, commercial, economic or other issues presented by the action or inaction as such relate to or affect the party filing the Formal Challenge, including:
  - (i) the extent or effect of an Accounting Change;
  - (ii) whether the ATRR or PTRR fails to include data properly recorded in accordance with these Protocols;
  - (iii) the proper application of the Formula Rate and procedures in these Protocols;
  - (iv) the accuracy of data and consistency with the Formula Rate of the charges shown in the ATRR or PTRR;
  - (v) the prudence of actual costs and expenditures;
  - (vi) the reasonableness of any projection that forms a basis of the PTRR;
  - (vii) whether transmission projects or equipment purchases underlying the costs and expenditures included in the ATRR or PTRR are needed for service during the Rate Year (including as part of a larger multi-year transmission project or equipment purchase program, as applicable);
  - (viii) the effect of any change to the underlying Uniform System of Accounts or FERC Form No. 1; or
  - (ix) any other information that may reasonably have a substantive effect on the calculation of the charge pursuant to the Formula Rate.
- d. Make a good faith effort to quantify the financial impact or burden (if any) created for the party filing the Formal Challenge as a result of the challenged action or inaction;
- e. State whether the issues presented are pending in an existing Commission

proceeding or a proceeding in any other forum in which the filing party is a party, and if so, provide an explanation why timely resolution cannot be achieved in that forum;

- f. State the specific relief or remedy requested, including any request for stay or extension of time, and the basis for that relief;
  - g. Include all documents that support the facts in the Formal Challenge in possession of, or otherwise attainable by, the filing party, including, but not limited to, contracts and affidavits; and
  - h. State whether the filing party utilized the Preliminary Challenge procedures described in these Protocols to dispute the challenged action or inaction raised by the Formal Challenge, and, if not, describe why not.
2. Service. Any person filing a Formal Challenge must serve a copy of such Formal Challenge on JCP&L. Service to JCP&L must be simultaneous with filing at FERC. Simultaneous service can be accomplished by electronic mail in accordance with 18 C.F.R. § 385.2010(f)(3), facsimile, express delivery, or messenger. A party filing a Formal Challenge shall serve the individual listed as the contact person on JCP&L's Informational Filing required under Section VI of these Protocols.

D. Preliminary and Formal Challenges shall be limited to all issues that may be necessary to determine:

1. the extent or effect of an Accounting Change;
2. whether the ATRR or PTRR fails to include data properly recorded in accordance with these Protocols, or includes data not properly recorded in accordance with these Protocols;
3. the proper application of the Formula Rate and procedures in these Protocols;
4. the accuracy of data and consistency with the Formula Rate of the calculations shown in the ATRR and PTRR;
5. the prudence of actual costs and expenditures included as inputs to the Formula Rate;
6. the reasonableness of any projection that forms a basis of the PTRR;
7. whether transmission projects or equipment purchases underlying the costs and

- expenditures included in the ATRR or PTRR are needed for service during the Rate Year (including as part of a larger multi-year transmission project or equipment purchase program, as applicable);
8. the effect of any change to the underlying Uniform System of Accounts or FERC Form No. 1; or
  9. any other information that may reasonably have a substantive effect on the calculation of the charge pursuant to the Formula Rate.
- E. Any changes or adjustments to the ATRR and PTRR resulting from the information exchange and Preliminary Challenge processes that are agreed to by JCP&L will be reported in the Informational Filing required pursuant to Section VI of these Protocols. Any such changes or adjustments agreed to by JCP&L on or before December 1 will be reflected in the PTRR for the upcoming Rate Year. Any changes or adjustments agreed to by JCP&L after December 1 will be reflected in the following year's Annual Update, as discussed in Section V of these Protocols.
- F. An Interested Party shall have until June 1 following the Review Period (unless such date is extended with the written consent of JCP&L to continue efforts to resolve the Preliminary Challenge) to make a Formal Challenge with FERC, which shall be served on JCP&L on the date of such filing as specified in Section IV.C.2 above. A Formal Challenge shall be filed in the same docket as JCP&L's Informational Filing discussed in Section VI of these Protocols. JCP&L shall respond to the Formal Challenge by the deadline established by FERC. An Interested Party may not pursue a Formal Challenge unless it submitted a Preliminary Challenge on some issue (which may be different from the Formal Challenge issue) during the applicable Review Period.
- G. In any proceeding initiated by FERC concerning the Annual Update or PTRR or in response to a Formal Challenge, JCP&L shall bear the burden, consistent with FPA section 205, of proving that it has correctly applied the terms of the Formula Rate consistent with these Protocols, that it followed the applicable requirements and procedures in the Formula Rate. Nothing herein is intended to alter the burdens applied by FERC with respect to prudence challenges.
- H. Except as specifically provided herein, nothing herein shall be deemed to limit in any way the right of JCP&L to file unilaterally, pursuant to FPA section 205 and the regulations thereunder, to change these Protocols, the Formula Rate, or any of its inputs (including, but not limited to, rate of return and transmission incentive rate treatment), or to replace the Formula Rate with a stated rate, or the right of any other party to request such changes pursuant to FPA section 206.

- I. No party shall seek to modify these Protocols or the Formula Rate under the challenge procedures set forth in these Protocols, and the Annual Update and PTRR shall not be subject to challenge by anyone for the purpose of modifying the Formula Rate. Any modifications to these Protocols or the Formula Rate will require, as applicable, a FPA section 205 or section 206 proceeding.
- J. Any Interested Party seeking changes to the application of the Formula Rate due to a change in the Uniform System of Accounts or FERC Form No. 1 must have raised a Preliminary Challenge with JCP&L before pursuing a Formal Challenge.

#### **Section V. Changes to Actual Transmission Revenue Requirement or Projected Transmission Revenue Requirement**

- A. Except as provided in Section IV.E of these Protocols, any changes to the data inputs, including but not limited to revisions to JCP&L's FERC Form No. 1, or as the result of any FERC proceeding to consider the ATRR or PTRR, or as a result of the procedures set forth herein, shall be incorporated into the Formula Rate and the charges produced by the Formula Rate in the PTRR for the next Rate Year. This reconciliation mechanism shall apply in lieu of mid-Rate Year adjustments. Interest on any refund or surcharge shall be calculated in accordance with the procedures outlined in Section VII of these Protocols.
- B. In the event that JCP&L identifies an error in the Annual Update (or its FERC Form No. 1 or successor form which is used as an input to the Formula Rate), or if JCP&L is required by applicable law or a court or a regulatory body to correct such error, JCP&L shall correct the error in good faith and without regard to whether the correction increases or decreases JCP&L's revenue requirements. JCP&L shall implement the correction in the next Annual Update following the identification of the error or the order of a court or regulatory body. Nothing in these protocols should or may be construed as preventing Interested Parties from protesting such correction.

#### **Section VI. Informational Filings**

- A. By June 10 of each year, JCP&L shall submit to FERC an informational filing ("Informational Filing") of its PTRR for the Rate Year, including its ATRR and True-up. This Informational Filing must include information that is reasonably necessary to determine:
  - 1. that input data to the Formula Rate are properly recorded in any underlying work papers;
  - 2. that JCP&L has properly applied the Formula Rate and these Protocols;
  - 3. the accuracy of data and the consistency with the Formula Rate of the

- transmission revenue requirement and rates under review;
- 4. the extent of Accounting Changes that affect Formula Rate inputs; and
- 5. the reasonableness of projected costs and the prudence of actual costs.

The Informational Filing must also describe any corrections or adjustments made during the period since the Publication Date, and must describe all aspects of the Formula Rate or its inputs that are the subject of an ongoing dispute under the Preliminary Challenge or Formal Challenge procedures. Finally, the Informational Filing shall include for the applicable Rate Year the following information related to affiliate cost allocation: a detailed description of the methodologies used to allocate and directly assign costs between JCP&L and its affiliates by service category or function, including any changes to such cost allocation methodologies from the prior year, and the reasons and justification for those changes; the magnitude of such costs that have been allocated or directly assigned between JCP&L and each affiliate by service category or function; and a copy of any service agreement between JCP&L and any JCP&L affiliate that went into effect during the Rate Year. Within five (5) days of such Informational Filing, JCP&L shall provide notice of the Informational Filing via an e-mail exploder list and by posting the docket number assigned to JCP&L's Informational Filing on the PJM website, subject to the protection of any confidential information contained in the Informational Filing, as needed, under non-disclosure agreements that are based on FERC's Model Protective Order.

- B. Any challenges to the implementation of the Formula Rate must be made through the challenge procedures described in Section IV of these Protocols or in a separate complaint proceeding, and not in response to the Informational Filing.

## **Section VII. Calculation of True-up**

The True-up will be determined in the following manner:

- A. As part of the Annual Update for each Rate Year, JCP&L shall determine the difference between the revenues collected by PJM based on the PTRR for the Rate Year (net of the True-up from the prior year) and the ATRR for the same Rate Year based on actual cost data as reflected in its FERC Form No. 1. The True-up will be determined as follows:
  - i. The ATRR for the previous Rate Year as determined using JCP&L's completed FERC Form No. 1 report shall be compared to the revenues collected by PJM based on the PTRR (net of the True-up from the prior year) for that same Rate Year ("True-up Year") to determine any excess or shortfall in the revenues

collected by PJM in the True-up Year. The revenue excess or shortfall determined by this comparison shall constitute the “True-up.”

- ii. Interest on any True-up shall be based on the interest rate equal to the interest rate determined by 18 CFR § 35.19a. Interest rates will be used to calculate the time value of money for the period that the True-up exists. The interest rate to be applied to the True-up will be determined as follows: (i) for time periods for which there is an interest rate posted on FERC’s website, the True-up will reflect each applicable quarter’s annual rate; (ii) for time periods for which there is no interest rate posted on FERC’s website (*i.e.*, future time periods, in which an interest rate is not yet available), the True-up will reflect the last known quarter’s annual rate, as posted on FERC’s website and as determined prior to the posting of the JCP&L PTRR that includes the applicable True-up.
- B. JCP&L will post on PJM’s website all information relating to the True-up as part of the Annual Update. As provided in Section II.B of these Protocols, JCP&L shall provide its Annual Update for the immediately preceding calendar year to PJM and cause such information to be posted on the PJM website on or before June 10 of each year subsequent to calendar year 2020.

### **Section VIII. Formula Rate Inputs**

- A. Stated inputs to the Formula Rate: For (i) rate of return on common equity; (ii) “Post-Employment Benefits other than Pension” (“PBOP”) charges pursuant to Statement of Financial Accounting Standards No. 106, Employers’ Accounting for Postretirement Benefits Other Than Pensions; and (iii) depreciation and/or amortization rates, the values in the Formula Rate shall be stated values and may be changed only pursuant to a FPA section 205 or section 206 proceeding. These stated-value inputs are specified in Attachment 9 of the Formula Rate.
- B. Unpopulated Formula Rate line items: With respect to line items in the Formula Rate that are not currently populated with non-zero numerical values because FERC policy requires prior authorization for recovery of the underlying costs or because, due to the nature of the associated functional activities, such costs are not considered part of JCP&L’s transmission-related revenue requirement (but not line items that are zero values in a particular Rate Year for the sole reason that no such costs or revenues were incurred or revenues received or projected to be incurred or received during the Rate Year), such line items shall not be populated with non-zero values except as may be authorized following a FPA section 205 or section 206 proceeding.

**ATTACHMENT H-4C**  
**Other Supporting Facilities Rates -- Jersey Central Power & Light Company**  
**for Network Integration Transmission Service**

**Service Below 34.5 kV delta**

As provided in Attachment H-4, section 1, service utilizing facilities at voltages below 34.5 kV delta to serve certain New Jersey municipal utilities will be provided at rates determined on a case-by-case basis and stated in existing NITS Agreements under Attachment F through the expiration of such agreements on May 31, 2019. Commencing on June 1, 2019, the rates for such service shall be as follows:

Borough of Butler, New Jersey: \$0.1121/kW-Month

Borough of Lavallette, New Jersey: \$2.3784/kW-Month

Borough of Madison, New Jersey: \$0.0570/kW-Month

Borough of Pemberton, New Jersey: \$1.1081/kW-Month

Borough of Seaside Heights, New Jersey: \$1.2459/kW-Month

The above rates will be applied to the each of the New Jersey boroughs' monthly sixty (60) minute coincident billing demands measured at the time of JCP&L's system peak each month.

FERC rendition of the electronically filed tariff records in Docket No. ER20-00227-003

Filing Data:

CID: C000030

Filing Title: JCP&L submits Compliance Filing in ER20-227

Company Filing Identifier: 5653

Type of Filing Code: 80

Associated Filing Identifier: 5461

Tariff Title: Intra-PJM Tariffs

Tariff ID: 23

Payment Confirmation:

Suspension Motion:

Tariff Record Data:

Record Content Description, Tariff Record Title, Record Version Number, Option Code:

OATT ATT H-4, OATT Attachment H-4 - Jersey Central Power & Light, 6.1.0, A

Record Narrative Name: OATT Attachment H-4 - Jersey Central Power & Light Company

Tariff Record ID: 1439

Tariff Record Collation Value: 343444949 Tariff Record Parent Identifier: 357

Proposed Date: 2020-01-01

Priority Order: 700

Record Change Type: CHANGE

Record Content Type: 1

Associated Filing Identifier: 5461

## ATTACHMENT H-4

### **Annual Transmission Rates -- Jersey Central Power & Light Company for Network Integration Transmission Service**

1. The transmission revenue requirements and the rates for Network Integration Transmission Service are equal to the results of the formula shown in Attachment H- 4A, and will be posted on the PJM website pursuant to Attachment H-4B (Formula Rate Protocols). The transmission revenue requirement and the rates reflect the cost of providing transmission service over the 34.5 kV delta and higher transmission facilities of Jersey Central Power & Light Company (“JCP&L”). Service utilizing facilities at voltages below 34.5 kV delta will be provided at rates determined on a case-by-case basis and stated in [Attachment H-4C as well as in](#) service agreements with affected customers.
2. The formula rate set forth in Attachment H-4A shall be calculated on the basis of projections, subject to true-up to actual data in accordance with the adjustment mechanism described in Attachment H-4B (Formula Rate Protocols).
3. The rates and revenue requirements in this attachment shall be effective until amended by JCP&L or modified by the Commission.
4. In addition to the rates set forth in paragraph 1 above, a Network Customer purchasing Network Integration Transmission Service shall pay for transmission congestion charges, in accordance with the provisions of the Tariff, and any amounts necessary to reimburse JCP&L for applicable sales, excise, “Btu,” carbon, value-added or similar taxes (other than taxes based upon or measured by net income) with respect to the amounts payable pursuant to the Tariff.

Record Content Description, Tariff Record Title, Record Version Number, Option Code:



OATT ATT H-4A, OATT Attachment H-4A - JCPL Annual Transmission Rates, 4.1.0, A  
Record Narrative Name: Jersey Central Power & Light Company's Annual Transmission Rates  
Tariff Record ID: 1659  
Tariff Record Collation Value: 343444959      Tariff Record Parent Identifier: 357  
Proposed Date: 2020-01-01  
Priority Order: 700  
Record Change Type: CHANGE  
Record Content Type: 1  
Associated Filing Identifier: 5461

**ATTACHMENT H-4A**  
**Annual Transmission Rates -- Jersey Central Power & Light Company**  
**for Network Integration Transmission Service**

For PJM billings (on behalf of JCP&L), on an interim basis for rate year 2021, the Net Revenue Requirement for NITS and TEC will be an annual aggregate amount of \$182,720,888 for rate year 2021 prorated for the time period from the effective date of the interim rate reduction authorized by the Chief Administrative Law Judge in Docket No. ER20-227-000 through the end of calendar year 2021. This Net Revenue Requirement will be reflected in the following rate and revenues:

- Annual NITS Net Revenue Requirement (sourced from Attachment H-4A, page 1, line 10, column 5) to be \$161,318,343, resulting in an Annual NITS Rate (\$/MW/Yr) (sourced from Attachment H-4A, page 1, line 13, column 3) of \$27,327.27.
- TEC Project Revenues (TEC Project Names, RTEP Project Numbers, and TEC Revenues sourced from Attachment 11 to Attachment H-4A, lines 2a through 2d, column 14) to be \$21,402,545. The following breakout of these amounts is shown by project below:
  - Upgrade the Portland – Greystone 230 kV circuit (RTEP Project No. b0174) to be \$1,254,675;
  - Reconductor the 8 mile Gilbert – Glen Gardner 230 kV circuit (RTEP Project No. b0268) to be \$619,750;
  - Add a 2nd Raritan River 230/115 kV transformer (RTEP Project No. b0726) to be \$791,662; and
  - Build a new 230 kV circuit from Larrabee to Oceanview (RTEP Project No. b2015) to be \$18,736,458.

The above noted billings will replace the billings currently in effect that were set based on the JCP&L 2021 Projected Transmission Revenue Requirement (PTRR) that was posted November 2, 2020 for rates effective for calendar year 2021. These adjusted billings will remain in place for the balance of 2021 in accordance with the order of the Chief Administrative Law Judge in Docket No. ER20-227-000 on JCP&L's Motion to Implement Interim Settlement Rates and Request for Waivers and Expedited Consideration and the Settlement Agreement and the 2021 PTRR will not be amended or further adjusted upon the Commission approval of the Settlement Agreement and Settled Template.

Once the Settlement Agreement is approved by the Commission, all other aspects of the Settled Template will be utilized for subsequent rate updates including the JCP&L 2020 Actual Transmission Revenue Requirement (ATRR) that will be posted on June 10, 2021, the JCP&L

2022 PTRR that will be posted on November 1, 2021, and the JCP&L 2021 ATRR that will be posted on June 10, 2022. The utilization of the Settled Template for the 2020 and 2021 ATRRs and related resulting true-ups will ensure that the provisions of the Settlement Agreement are implemented for the full calendar years 2020 and 2021 thus ensuring the Settlement Agreement was applied from the retroactive effective date of January 1, 2020 forward.

The true-ups for calendar years 2020 and 2021 resulting from comparison of the ATRRs calculated with the Settled Template to the amounts billed that were calculated in accordance with the originally filed template or interim rates approved by the Chief Administrative Law Judge will be refunded/collected with interest in the next rate update in accordance with the Settled Protocols. Further, all future rate years will reflect the Settled Template, as provided under Attachment H-4A.

**Service Above 34.5 kV delta**

See attached formula.

Formula Rate - Non-Levelized

For the 1

Line No.	(1)	(2)	(3)
	Rate Formula Template Utilizing FERC Form 1 Data  Jersey Central Power & Light		
1	GROSS REVENUE REQUIREMENT [page 3, line 18, col 5]		
2	REVENUE CREDITS	(Note M)	Total
	Revenue Credits	Attachment 18, Line 9, Col. (E)	
3	TEC Revenue	Attachment 11, Page 2, Line 3, Col. 12	
4	TOTAL REVENUE CREDITS (sum lines 2-3)		
5	True-up Adjustment with Interest	Enter negative of Attachment 13, Line 50	

6	NET REVENUE REQUIREMENT	(Line 1 - Line 4 + Line 5)	
7	DIVISOR		
8	1 Coincident Peak (CP) (MW)		
9	Average 12 CPs (MW)		
10	Annual Rate (\$/MW/Yr)	(line 6 / line 8)	<u>Total</u>
11	Point-to-Point Rate (\$/MW/Year)	(line 6 / line 9)	
12	Point-to-Point Rate (\$/MW/Month)	(line 11/12)	
13	Point-to-Point Rate (\$/MW/Week)	(line 11/52)	
14	Point-to-Point Rate (\$/MW/Day)	(line 13/5; line 13/7)	
15	Point-to-Point Rate (\$/MWh)	(line 11/4,160; line 11/8,760)	<u>Peak Rate Total</u>

Formula Rate - Non-Levelized		Rate Formula Template	
Utilizing FERC Form 1 Data			
Jersey Central Power & Light			
Line No.	(1)	(2)	(3)
Line No.	RATE BASE:	Source	Company Total
	GROSS PLANT IN SERVICE		
1	Production	Attachment 3, Line 14, Col. 1 (Notes N & O)	
2	Transmission	Attachment 3, Line 14, Col. 2 (Notes N & O)	
3	Distribution	Attachment 3, Line 14, Col. 3 (Notes N & O)	
4	General & Intangible	Attachment 3, Line 14, Col. 4 & 5 (Notes N & O)	
5	TOTAL GROSS PLANT (sum lines 1-4)		<hr/>
6	ACCUMULATED DEPRECIATION		
7	Production	Attachment 4, Line 14, Col. 1 (Notes N & O)	
8	Transmission	Attachment 4, Line 14, Col. 2 (Notes N & O)	
9	Distribution	Attachment 4, Line 14, Col. 3 (Notes N & O)	
10	General & Intangible	Attachment 4, Line 14, Col. 4 & 5 (Notes N & O)	
11	TOTAL ACCUM. DEPRECIATION (sum lines 7-10)		<hr/>
12	NET PLANT IN SERVICE		
13	Production	(line 1 - line 7)	
14	Transmission	(line 2 - line 8)	
15	Distribution	(line 3 - line 9)	
16	General & Intangible	(line 4 - line 10)	
17	TOTAL NET PLANT (sum lines 13-16)		<hr/>
18	ADJUSTMENTS TO RATE BASE		
19	Accumulated Deferred Income Taxes	Attachment 5, Line 19, Col. (J) (Notes C, D)	
20	Unfunded Reserves	Enter Negative Attachment 14b, Line 14, Col. (S), (Note C)	
21	FERC Approved Regulatory Assets and Liabilities	Attachment 19, Line 7, Col. (W) (Notes O & R)	
22	CWIP	Attachment 17, Line 3, Col. (W) (Notes O & P)	
23	Unamortized Abandoned Plant	Attachment 16, Line 15, Col. 7 (Notes O & R)	
24	TOTAL ADJUSTMENTS (sum lines 19-23)		<hr/>
25	LAND HELD FOR FUTURE USE	(Attachment 14a, Line 5, Col. S) (Note E)	
26	WORKING CAPITAL (Note F)		
27	CWC	1/8*(Page 3, Line 6 minus Page 3, Line 5)	
28	Materials & Supplies	Attachment 14a, Line 4, Col. (S) (Notes O & E)	
29	Prepayments (Account 165)	Attachment 14a, Line 2, Col. (S) (Note O)	
30	TOTAL WORKING CAPITAL (sum lines 27 - 29)		<hr/>
31	RATE BASE (sum lines 17, 24, 25, & 30)		<hr/> <hr/>

Formula Rate - Non-Levelized		Utilizing FERC Form 1 Data	Rate Formula Template	
		Jersey Central Power & Light		
<u>Line No.</u>	(1)		(2)	(3)
			Source	Company Total
1	Operating Expenses			
2	Transmission			
3	PBOPs Expense Adjustment		Attachment 20, Line 26, Col. (G)	
4	A&G		Attachment 6, Line 11 (Note C)	
5	FERC Approved Reg. Asset/Liab. Amortizations		Attachment 20, Line 41, Col (I)	
6	TOTAL OPERATING EXPENSES (sum lines 2 through 5)		Attachment 19, Line 7, Col. (Y) (Note R)	<hr/>
7	DEPRECIATION AND AMORTIZATION EXPENSE			
8	Transmission		336.7.b (Note N)	
9	General & Intangible		336.1.b,d,e & 336.10.b,d,e (Note N)	
10	Amortization of Abandoned Plant		Attachment 16, Line 15, Col. 5 (Note R)	<hr/>
11	TOTAL DEPRECIATION (sum lines 8 -10)			
12	TOTAL OTHER TAXES		Attachment 7, line 2, Col. (E)	
13	INCOME TAXES		(Note G)	
14	Total Income Taxes		Attachment 15, Line 22	
15	RETURN		[Rate Base (page 2, line 31) * Rate of Return (page 4, line 21, col. 6)]	
16	GROSS REV. REQUIREMENT (WITHOUT INCENTIVE)		(sum lines 6, 11, 12, 14, 15)	<hr/>
17	ADDITIONAL INCENTIVE REVENUE		Attachment 11, Page 2, Line 4, Col. 11 (Note Q)	<hr/>
18	GROSS REV. REQUIREMENT		(line 16 + line 17)	<hr/> <hr/>

Formula Rate - Non-Levelized

Utilizing FERC Form 1 Data

Rate Formula Template

Jersey Central Power & Light

**SUPPORTING CALCULATIONS AND NOTES**

Line No.	(1)	(2)	(3)	(4)
<b>TRANSMISSION PLANT INCLUDED IN ISO RATES</b>				
1	Total transmission plant (page 2, line 2, column 3)			
2	Less transmission plant excluded from ISO rates (Note H)			
3	Less transmission plant included in OATT Ancillary Services (Note I)			
4	<hr/> Transmission plant included in ISO rates (line 1 less lines 2 & 3)			
5	Percentage of transmission plant included in ISO Rates (line 4 divided by line 1)			
<b>TRANSMISSION EXPENSES</b>				
6	Total transmission expenses (Attachment 20, Line 26, Col. C)			
7	Less transmission expenses included in OATT Ancillary Services (Note B)			
8	<hr/> Included transmission expenses (line 6 less line 7)			
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)			
10	Percentage of transmission plant included in ISO Rates (line 5)			
11	Percentage of transmission expenses included in ISO Rates (line 9 times line 10)			
<b>WAGES &amp; SALARY ALLOCATOR (W&amp;S)</b>				
		Form 1 Reference	\$	TP
12	Production	354.20.b	-	0.00
13	Transmission	354.21.b		0.00
14	Distribution	354.23.b		0.00
15	Other	354.24,354.25,354.26. b		0.00
16	Total (sum lines 12-15)		<hr/>	<hr/>
<b>RETURN (R)</b>				
17	Preferred Dividends (118.29c) (positive number)			
			\$	%
18	Long Term Debt (Attachment 8, Line 14, Col. 7) (Note O)			
19	Preferred Stock (112.3d) (Attachment 8, Line 14, Col. 2) (Note O)			
20	Common Stock Attachment 8, Line 14, Col. 6) (Note O)			
21	<hr/> Total (sum lines 18-20)			
<b>REVENUE CREDITS</b>				
<b>ACCOUNT 447 (SALES FOR RESALE)</b>				
22	a. Bundled Non-RQ Sales for Resale (311.x.h)			
23	b. Bundled Sales for Resale included in Divisor on page 1			
24	<hr/> Total of (a)-(b)			

Formula Rate - Non-Levelized

Utilizing FERC Form 1 Data

Rate Formula Template

Jersey Central Power & Light

General Note: References to pages in this formulary 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 Removes dollar amount of transmission expenses included in the OATT ancillary services rates, including Account Nos. 561.1 - 561.3, and 561.X., 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.
- C Transmission-related only
- D 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 G. Account 281 is not allocated.
- E Identified in Form 1 as being only transmission related.
- F Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at page 3, line 6, column 5 minus amortization of regulatory assets (page 3, line 5, col. 5). Total company Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111, line 57 in the Form 1. JCP&L to include transmission prepayments only.
- G 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).
- H 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).
- I 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.
- J Enter dollar amounts
- K Debt cost rate = Attachment 10, Column (j) total. Preferred cost rate = preferred dividends (line 21) / preferred outstanding (line 23). No change in ROE may be made absent a filing with FERC under Section 205 or Section 206 of the Federal Power Act. Per the Settlement Agreement in Docket No. ER20-227-000, JCP&L's stated ROE is set to 10.20% (9.7% base ROE plus 50 basis point adder for RTO participation).
- L Line 22 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.
- M The revenues credited on page 1, Line 2 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 3 is supported by its own reference.
- N Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation and Account 405 amounts unless authorized by FERC.
- O Calculate using a 13 month average balance.
- P Includes only CWIP authorized by the Commission for inclusion in rate base.
- Q 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.
- R Unamortized Abandoned Plant, Amortization of Abandoned Plant, and Regulatory assets and liabilities will be zero until the Commission accepts or approves recovery or refund. Utility must submit a Section 205 filing to recover or refund.
- S Peak as would be reported on page 401, column d of Form 1 at the time of the zonal peak for the twelve month period ending October 31 of the calendar year used to calculate rates. The projection year will utilize the most recent preceding 12-month period at the time of the filing.

Attachment H-4A, Attachment 1

page 1 of 1

For the 12 months ended 12/31/XXXX

**Schedule 1A Rate Calculation**

1	\$		Attachment 20, Lines 2+3+4, Col. C
2	\$		Revenue Credits for Sched 1A - Note A
3	\$	<hr style="width: 100%;"/>	Net Schedule 1A Expenses (Line 1 - Line 2)
4			Annual MWh in JCP&L Zone - Note B
5	\$		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.

Attachment H-4A, Attachment 2  
**Incentive ROE Calculation**  
 For the 12 months ended 12/31/XXXX

**Return Calculation**

			<b>Source Reference</b>
1	Rate Base		Attachment H-4A, page 2, Line 31, Col. 5
2	Preferred Dividends	enter positive	Attachment H-4A, page 4, Line 17, Col. 6
	Common Stock		
3	Proprietary Capital		Attachment 8, Line 14, Col. 1
4	Less Preferred Stock		Attachment 8, Line 14, Col. 2
5	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 4
6	Less Account 216.1 & Goodwill		Attachment 8, Line 14, Col. 3&5
7	Common Stock		Attachment 8, Line 14, Col. 6
	Capitalization		
8	Long Term Debt		Attachment H-4A, page 4, Line 18, Col. 3
9	Preferred Stock		Attachment H-4A, page 4, Line 19, Col. 3
10	Common Stock		Attachment H-4A, page 4, Line 20, Col. 3
11	Total Capitalization		Attachment H-4A, page 4, Line 21, Col. 3
12	Debt %	Total Long Term Debt	Attachment H-4A, page 4, Line 18, Col. 4
13	Preferred %	Preferred Stock	Attachment H-4A, page 4, Line 19, Col. 4
14	Common %	Common Stock	Attachment H-4A, page 4, Line 20, Col. 4
15	Debt Cost	Total Long Term Debt	Attachment H-4A, page 4, Line 18, Col. 5
16	Preferred Cost	Preferred Stock	Attachment H-4A, page 4, Line 19, Col. 5
17	Common Cost	Common Stock	
18	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 12*Line 15)
19	Weighted Cost of Preferred	Preferred Stock	(Line 13*Line 16)
20	Weighted Cost of Common	Common Stock	(Line 14*Line 17)
21	Rate of Return on Rate Base ( ROR )		(Sum Lines 18 to 20)
22	Investment Return = Rate Base * Rate of Return		<b>(Line 1*Line 21)</b>

**Income Taxes**

	<b>Income Tax Rates</b>		
23	$T = 1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$		T from Attachment 15, line 8
24	$CIT = (T/1-T) * (1-(WCLTD/R)) =$		Calculated
25	$1 / (1 - T) =$ (from line 23)		
26	Amortized Investment Tax Credit (266.8.f) (enter negative)		Attachment 15, line 17
27	Tax Effect of Permanent Differences and AFUDC Equity		Attachment 15, line 16
28	(Excess)/Deficient Deferred Income Taxes		Attachment 15, line 18
29	Income Tax Calculation		(Line 22*Line 24)
30	ITC adjustment		Line 25 * Line 26 * GP
31	Permanent Differences and AFUDC Equity Tax Adjustment		Line 25 * Line 27
32	(Excess)/Deficient Deferred Income Tax Adjustment		Line 25 * Line 28
33	Total Income Taxes		Sum Lines 29 to 32

**Increased Return and Taxes**

34	Return and Income taxes with increase in ROE		(Line 22 + Line 33)
35	Return without incentive adder		Attachment H-4A, Page 3, Line 15, Col. 5
36	Income Tax without incentive adder		Attachment H-4A, Page 3, Line 14, Col. 5
37	Return and Income taxes <u>without</u> increase in ROE		Line 35 + Line 36
38	Return and Income taxes with increase in ROE		Line 34
39	Incremental Return and incomes taxes for increase in ROE		Line 38 - Line 37
40	Rate Base		Line 1
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. Unti



			[1] Production	[2] Transmission	[3] Distribution	[4] Intangible	[5] General	[6] Total
1	December	20XX						
2	January	20XX						
3	February	20XX						
4	March	20XX						
5	April	20XX						
6	May	20XX						
7	June	20XX						
8	July	20XX						
9	August	20XX						
10	September	20XX						
11	October	20XX						
12	November	20XX						
13	December	20XX						

14 13-month Average [A] [C]

			Production	Transmission	Distribution	Intangible	General	Total
		[B]	205.46.g	207.58.g	207.75.g	205.5.g	207.99.g	
15	December	20XX						
16	January	20XX						
17	February	20XX						
18	March	20XX						
19	April	20XX						
20	May	20XX						
21	June	20XX						
22	July	20XX						
23	August	20XX						
24	September	20XX						
25	October	20XX						
26	November	20XX						
27	December	20XX						

28 13-month Average

	Asset Retirement Costs		Production	Transmission	Distribution	Intangible	General
		[B]	205.44g	207.57.g	207.74.g	company records	207.98.g
29	December	20XX					
30	January	20XX					
31	February	20XX					
32	March	20XX					
33	April	20XX					
34	May	20XX					
35	June	20XX					
36	July	20XX					
37	August	20XX					
38	September	20XX					
39	October	20XX					
40	November	20XX					
41	December	20XX					
42	13-month Average		-				

Notes:

- [A] Taken to Attachment H-4A, page 2, lines 1-4, Col. 3
- [B] Reference for December balances as would be reported in FERC Form 1.
- [C] Balance excludes Asset Retirements Costs

			[1] Production	[2] Transmission	[3] Distribution	[4] Intangible	[5] General
1	December	20XX					
2	January	20XX					
3	February	20XX					
4	March	20XX					
5	April	20XX					
6	May	20XX					
7	June	20XX					
8	July	20XX					
9	August	20XX					
10	September	20XX					
11	October	20XX					
12	November	20XX					
13	December	20XX					

14	13-month Average	[A] [C]	Production	Transmission	Distribution	Intangible	General
		[B]	219.20-24.c	219.25.c	219.26.c	200.21.c	219.28.c
15	December	20XX					
16	January	20XX					
17	February	20XX					
18	March	20XX					
19	April	20XX					
20	May	20XX					
21	June	20XX					
22	July	20XX					
23	August	20XX					
24	September	20XX					
25	October	20XX					
26	November	20XX					
27	December	20XX					

28	13-month Average		Production	Transmission	Distribution	Intangible	General
		[B]	Company Records	Company Records	Company Records	Company Records	Company records
29	December	20XX					
30	January	20XX					
31	February	20XX					
32	March	20XX					
33	April	20XX					
34	May	20XX					
35	June	20XX					
36	July	20XX					
37	August	20XX					
38	September	20XX					
39	October	20XX					
40	November	20XX					
41	December	20XX					
42	13-month Average		-	-	-	-	-

Notes:  
 [A] Taken to Attachment H-4A, page 2, lines 7-10, 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





6	PTRR	Beginning 283 (Including adjustments)	Pro-rated Q1	Pro-rated Q2	Pro-rated Q3		
			<b>20XX PTRR</b>				
			J	K Page 1, B+D+F+H	L Page 1, row 2,4,6 Column A+B+D+F+H	M  J-L	N
<u>Line</u>		<u>Account</u>	Estimated Ending Balance (Before Adjustments)	Projected Activity	Prorated Ending Balance	Prorated – Estimated End (Before Adjustments)	Sum of end ADIT Adjustments
7	PTRR	Total Account 190					
8	PTRR	Total Account 282					
9	PTRR	Total Account 283					
10	PTRR	Total ADIT Subject to Normalization					

**Notes:**

1. Attachment 5b will only be populated within the PTRR.
2. Normalization is calculated using transmission ADIT balances/adjustments only.

Attachment H-4A, Attachment 5b  
 ATRR Proration  
 page 1 of 2  
 For the 12 months ended 12/31/XXXX

<u>Line</u>		A	B	C	D	E	F	G
20XX Quarterly Activity and Balances								
1	PTRR	<b>Beginning 190 (including adjustments)</b>	Q1 Activity	<b>Ending Q1</b>	Q2 Activity	<b>Ending Q2</b>	Q3 Activity	<b>Ending Q3</b>
2	ATRR							
3	PTRR	<b>Beginning 190 (including adjustments)</b>	<b>Pro-rated Q1</b>		<b>Pro-rated Q2</b>		<b>Pro-rated Q3</b>	
4	ATRR							
5	PTRR	<b>Beginning 282 (including adjustments)</b>	Q1 Activity	<b>Ending Q1</b>	Q2 Activity	<b>Ending Q2</b>	Q3 Activity	<b>Ending Q3</b>
6	ATRR							
7	PTRR	<b>Beginning 282 (including adjustments)</b>	<b>Pro-rated Q1</b>		<b>Pro-rated Q2</b>		<b>Pro-rated Q3</b>	
8	ATRR							
9	PTRR	<b>Beginning 283 (Including adjustments)</b>	Q1 Activity	<b>Ending Q1</b>	Q2 Activity	<b>Ending Q2</b>	Q3 Activity	<b>Ending Q3</b>
10	ATRR							
11	PTRR	<b>Beginning 283 (Including adjustments)</b>	<b>Pro-rated Q1</b>		<b>Pro-rated Q2</b>		<b>Pro-rated Q3</b>	
12	ATRR							

Attachment H-4A, Attachment 5b  
 ATRR Proration  
 page 2 of 2  
 For the 12 months ended 12/31/XXXX

20XX PTRR

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

4 PTRR Total ADIT Subject to Normalization

**20XX ATRR**

	H	I	J	K	L	M	N
Account	Actual Ending Balance (Before Adjustments)	Page 1, B+D+F+H Actual Activity	Page 1, row 4,8,12 column A+B+D+F+H Prorated Ending Balance	H-J Prorated – Actual End (Before Adjustments)	D-K Prorated Activity Not Projected	Sum of end ADIT Adjustments	E-M ADIT Adjustments n projected

5 ATRR Total Account 190

6 ATRR Total Account 282

7 ATRR Total Account 283

8 ATRR Total ADIT Subject to Normalization

**Notes:**

- 1. Attachment 5c will only be populated within the ATRR
- 2. Normalization is calculated using the transmission ADIT balances/adjustments only.

Attachment H-4A, Attachment 6  
page 1 of 1  
For the 12 months ended 12/31/XXXX

**1 Calculation of PBOP Expenses**

**2 JCP&L**

	<u>Amount</u>	<u>Source</u>
3 Total FirstEnergy PBOP expenses	-\$155,537,000	FirstEnergy 2018 Actuarial Study
4 Labor dollars (FirstEnergy)	\$2,363,633,077	FirstEnergy 2018 Actual: Company Records
5 cost per labor dollar (line 3 / line 4)	-\$0.0658	
6 labor (labor not capitalized) current year, transmission only		JCP&L Labor: Company Records
7 PBOP Expense for current year (line 5 * line 6)		
8 PBOP expense in Account 926 for current year, total company		JCP&L Account 926: Company Records
9 W&S Labor Allocator		
10 Allocated Transmission PBOP (line 8 * line 9)		
11 PBOP Adjustment for Attachment H-4A, page 3, line 3 (line 7 - line 10)		
12 Lines 3-4 cannot change absent a Section 205 or 206 filing approved or accepted by FERC in a separate proceeding		

Attachment H-4A, Attachment 7

page 1 of 1

For the 12 months ended 12/31/2020

	(A)	(B)	(C)	(D)	(E)
<u>Ln.</u>	<u>Description</u>	<u>Allocator</u>	<u>Amount</u>	<u>Allocator Output</u>	<u>To Transmission</u>
1	Taxes Other Than Income				
1.01		263.i		-	-
1.02		263.i		-	-
1.03		263.i		-	-
1.04		263.i		-	-
1.05		263.i		-	-
1.06		263.i		-	-
1.XX					
2	Sum of Lines 1.01 through 1.XX		-		-
3	FF1, Page 115.14g				

Notes

(a) Gross receipts taxes are not included in transmission revenue requirement in the Formula Rate Template since they are recovered elsewhere.

(b) Allocator must be DA, TE, TP, GP, WS, CE, or EXCL.

(c) JCP&L may add or remove sublines applicable to the transmission revenue requirement without an FPA Section 205 filing.

Attachment H-4A, Attachment 8  
page 1 of 1  
For the 12 months ended 12/31/XXXX

**Capital Structure Calculation**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]
	<b>Proprietary Capital</b>	<b>Preferred Stock</b>	<b>Account 216.1</b>	<b>Account 219</b>	<b>Goodwill</b>	<b>Common Stock</b>	<b>Long Term Debt</b>
[A]	112.16.c	112.3.c	112.12.c	112.15.c	233.XX.f	(1) - (2) - (3) - (4) - (5)	112.18-21.c
1	December 20XX						
2	January 20XX						
3	February 20XX						
4	March 20XX						
5	April 20XX						
6	May 20XX						
7	June 20XX						
8	July 20XX						
9	August 20XX						
10	September 20XX						
11	October 20XX						
12	November 20XX						
13	December 20XX						
14	13-month Average						

Notes:

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

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

**Stated Value Inputs**

**Formula Rate Protocols  
Section VIII.A**

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

JCP&L’s stated ROE is set to: 10.2%

**2. Postretirement Benefits Other Than Pension (“PBOP”)**

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

Total FirstEnergy PBOP expenses	-\$155,537,000
Labor dollars (FirstEnergy)	\$2,363,633,077
Cost per labor dollar	-\$0.0658



**3. Depreciation Rates [1][2]**

FERC Account	Depr %
350.2	1.53%
352	1.14%
353	2.28%
354	0.83%
355	1.81%
356	2.14%
356.1	1.04%
357	1.32%
358	1.67%
359	1.10%
389.2	3.92%
390.1	1.51%
390.2	0.46%
391.1	4.00%
391.15	5.00%
391.2	20.00%
391.25	20.00%
392	3.84%
393	3.33%
394	4.00%
395	5.00%
396	3.03%
397	5.00%
398	5.00%

Note:

[1] Account 303 amortization period is 7 years.  
 [2] Accounts 391.10, 391.15, 391.20, 391.25, 393, 394, 395, 397, and 398 have an unrecovered reserve to be amortized over 5 years separately from the assets in these accounts beginning January 1, 2020 through December 31, 2025; Per the Settlement Agreement in Docket No. ER20-227-000.

Attachment H-4A, Attachment 10  
 page 1 of 1  
 For the 12 months ended 12/31/XXXX

**Debt Cost Calculation**

TABLE 1: Summary Cost of Long Term Debt										
CALCULATION OF COST OF DEBT										
YEAR ENDED 12/31/20XX										
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)		
	t=N	Issue Date	Maturity Date	ORIGINAL ISSUANCE (table 2, col. cc)	Net Proceeds At Issuance (table 2, col. gg)	Net Amount Outstanding at t=N	Months Outstandin g at t=N	Average Net Outstanding in Year* z* (col. e. * col. F)/12)	Weighted Outstanding Ratios (col. g/col. g total)	Eff
<b>Long Term Debt Cost</b>	12/31/20XX									
<b>at Year Ended:</b>										

First Mortgage Bonds:

- (1)
- (2)
- (3)
- (4)
- (5)

t = time

The current portion of long term debt is included in the Net Amount Outstanding at t = N in these calculations.

The outstanding amount (column (e)) for debt retired during the year is the outstanding amount at the last month it was outstanding.

\* z = Average of monthly balances for months outstanding during the year (average of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding)

Interim (individual debenture) debt cost calculations shall be taken to four decimals in percentages (7.2300%, 5.2582%); Final Total Weighted Average Debt Cost for the Formula Rate shall be taken to four decimals of a percent (7.03%).

\*\* This Total Weighted Average Debt Cost will be shown on page 4, line 18, column 5 of formula rate Attachment H-4A.

**TABLE 2: Effective Cost Rates For Traditional Front-Loaded Debt Issuances:**

<b>YEAR ENDED 12/31/20XX</b>		(aa)	(bb)	(cc)	(dd)	(ee)	(ff)	(gg)	(hh)
<b>Long Term Debt Issuances</b>	Affiliate	Issue Date	Maturity Date	Amount Issued	(Discount Premium at Issuance)	Issuance Expense	Loss/Gain on Reacquired Debt	Net Proceeds (col. cc + col. dd - col. ee - col. ff)	Net Proceeds Ratio ((col. gg / col. cc) *100)
(1)									
(2)									
(3)									
(4)									
(5)									
TOTALS									

\* YTM at issuance calculated from an acceptable bond table or from YTM = Internal Rate of Return (IRR) calculation

Effective Cost Rate of Individual Debenture (YTM at issuance): the t=0 Cashflow C<sub>0</sub> equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows (C<sub>t=1</sub>, C<sub>t=2</sub>, etc.).

Attachment H-4A, Attachment 11

page 1 of 2

For the 12 months ended 12/31/XXXX

**Transmission Enhancement Charge (TEC) Worksheet**

To be completed in conjunction with Attachment H-4A

Line No.	(1)	(2)	(3)	(4)	Columns 5-9 (page 1) onl	
					(5)	(6)
	Reference	Transmission	Allocator	Line No.		
1	Gross Transmission Plant - Total	Attach. H-4A, p. 2, line 2, col. 5 (Note A)				
2	Net Transmission Plant - Total	Attach. H-4A, p. 2, line 14, col. 5 (Note B)				
<b>O&amp;M EXPENSE</b>						
3	Total O&M Allocated to Transmission	Attach. H-4A, p. 3, line 6, col. 5				
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col. 3)				
<b>GENERAL &amp; INTANGIBLE (G &amp; I) DEPRECIATION EXPENSE</b>						
5	Total G & I depreciation expense	Attach. H-4A, p. 3, line 9, col. 5				
6	Annual allocation factor for G & I depreciation expense	(line 5 divided by line 1, col. 3)				
<b>TAXES OTHER THAN INCOME TAXES</b>						
7	Total Other Taxes	Attach. H-4A, p. 3, line 11, col. 5				
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col. 3)				
9	<b>Annual Allocation Factor for Expense</b>	<b>Sum of line 4, 6, &amp; 8</b>				
<b>INCOME TAXES</b>						
10	Total Income Taxes	Attach. H-4A, p. 3, line 13, col. 5			10b	Total Income Taxes
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col. 3)			11b	Annual Allocation Factor for Income T

RETURN  
12 Return on Rate Base Attach. H-4A, p. 3, line 14, col. 5  
13 Annual Allocation Factor for Return on Rate Base (line 12 divided by line 2, col. 3)

**14 Annual Allocation Factor for Return** **Sum of line 11 and 13**

RETURN
12b Return on Rate Base
13b Annual Allocation Factor for Return on Rate Base
<b>14b Annual Allocation Factor for Return</b>
<b>15 Additional Annual Allocation Factor</b>

**Transmission Enhancement Charge (TEC) Worksheet**  
To be completed in conjunction with Attachment H-4A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Line No.	Project Name	RTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Return Requirement
1			(Note C & H)	(Page 1, line 9)	(Col. 3 * Col. 4)	(Note D & H)	Page 1, line 14	(Col. 6 * Col. 7)	(Note E)	(Sum of 8)

- 3 Transmission Enhancement Credit taken to Attachment H-4A Page 1, Line 3, Col. 3
- 4 Additional Incentive Revenue taken to Attachment H-4A, Page 3, Line 16

Notes

- A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-4A.
- B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-4A.
- C Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1 above. This value includes subsequent capital investment.
- D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- E Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment H-4A, page 3, line 8.
- F Any actual ROE incentive must be approved by the Commission
- G True-up adjustment is calculated on the project true-up schedule, attachment 12 column j
- H Based on a 13-month average

**TEC Worksheet Support**  
Net Plant Detail

Line No.	Project Name	RTEP Project Number	Project Gross Plant	Dec-XX	Jan-XX	Feb-XX	Mar-XX	Apr-XX	May-XX	Jun-XX	Jul-XX
			(Note A)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)

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 13-month average. [B] Compa

TEC Worksheet Support

Net Plant Detail

Accumulated Depreciation	Dec-XX	Jan-XX	Feb-XX	Mar-XX	Apr-XX	May-XX	Jun-XX	Jul-XX	Aug-XX	Sep-XX	Oct-XX	No
(Note C)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(Note B)	(No

NOTE

[B] Company records [C] Utilizing a 13-month average. [D] Taken to Attachment 11, Page 2, Col. 6

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

**TEC – True-up**

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

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
Line No.	Project Name	RTEP Project Number	Actual Revenues for Attachment 11	Projected Annual Revenue Requirement	% of Total Revenue Requirement	Revenue Received	Actual Annual Revenue Requirement
			Attachment 13b line 26, Col. E	PTRR (True-up Vintage) Attachment 11 p 2 of 2, col. 14	Col d, line 2 / col. d, line 3	Col c, line 1 * Col e	ATRR (True-up Vintage) Attachment 11 p 2 of 2, col. 14
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 49)		

NOTE

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

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

Line	(A) Month	(B) Annual Rate	(C) Monthly	(D) True-Up Adj.	(E) Interest	(F) Compounding
1	Jan-xx	-	-	0.0833	-	-
2	Feb-xx	-	-	0.1667	-	-
3	Mar-xx	-	-	<u>0.2500</u>	-	-
4	Apr-xx	-	-	0.3333	-	-
5	May-xx	-	-	0.4167	-	-
6	Jun-xx	-	-	<u>0.5000</u>	-	-
7	Jul-xx	-	-	0.5833	-	-
8	Aug-xx	-	-	0.6667	-	-
9	Sep-xx	-	-	<u>0.7500</u>	-	-
10	Oct-xx	-	-	0.8333	-	-
11	Nov-xx	-	-	0.9167	-	-
12	Dec-xx	-	-	<u>1.0000</u>	-	-
13			Year 1 True-Up Adjustment + Interest EB	1.0000		
14	Jan-xx	-	-	1.0000	-	-
15	Feb-xx	-	-	1.0000	-	-
16	Mar-xx	-	-	<u>1.0000</u>	-	-
17	Apr-xx	-	-	1.0000	-	-
18	May-xx	-	-	1.0000	-	-
19	Jun-xx	-	-	<u>1.0000</u>	-	-
20	Jul-xx	-	-	1.0000	-	-
21	Aug-xx	-	-	1.0000	-	-
22	Sep-xx	-	-	<u>1.0000</u>	-	-
23	Oct-xx	-	-	1.0000	-	-
24	Nov-xx	-	-	1.0000	-	-
25	Dec-xx	-	-	<u>1.0000</u>	-	-
26			Year 2 True-Up Adjustment + Interest EB	1.0000		

27				Principle Amortization	0.0833		
28				Interest Amortization	+	-	(Found using Excel Solver/Goal Seek/or equivalent)
29				Year 3 Monthly Amortization		0.0833	
30	Jan-xx	-	-			0.9167	-
31	Feb-xx	-	-			0.8333	-
32	Mar-xx	-	-			<u>0.7500</u>	-
33	Apr-xx	-	-			0.6667	-
34	May-xx	-	-			0.5833	-
35	Jun-xx	-	-			<u>0.5000</u>	-
36	Jul-xx	-	-			0.4167	-
37	Aug-xx	-	-			0.3333	-
38	Sep-xx	-	-			<u>0.2500</u>	-
39	Oct-xx	-	-			0.1667	-
40	Nov-xx	-	-			0.0833	-
41	Dec-xx	-	-			<u>-</u>	-
42				Year 3 True-Up Adjustment + Interest EB		-	
43				Total Amount Refunded/Surcharged		1.0000	
44				True-Up Before Interest	-	<u>1.0000</u>	
45				Interest Refunded/Surcharged		-	
46				Attachment 13b - PJM Billings, Line 13, Col. E:		-	
47	xxxx			Rate Year ATRR (c):	-	<u>-</u>	
48				Base Refund or (Surcharge):		-	
49				Interest (Line 45 × Line 48):	+	<u>-</u>	
50				Total Refund or (Surcharge):		<u>-</u>	

Notes

(a) Interest rate inputs will be equal to C.F.R. 35.19a.

(b) The interest rate to be applied to the True-up will be determined as follows: (i) for time periods for which there is an interest rate posted on FERC’s website, the True-up will reflect each applicable quarter’s annual rate; (ii) for time periods for which there is no interest rate posted on FERC’s website (i.e., future time periods, in which an interest rate is not yet available), the True-up will reflect the last known quarter’s annual rate, as posted on FERC’s website and as determined prior to the posting of the JCP&L PTRR that includes the applicable True-up.

(c) The ATRR is used to compare against the billed revenue in the true-up calculation. This section will not contain true-up amounts.

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

Line	(A) Month	(B) Annual Rate	(C) Monthly	(D) True-Up Adj.	(E) Inter
1	Jan-xx	-	-	0.0833	
2	Feb-xx	-	-	0.1667	
3	Mar-xx	-	-	<u>0.2500</u>	
4	Apr-xx	-	-	0.3333	
5	May-xx	-	-	0.4167	
6	Jun-xx	-	-	<u>0.5000</u>	
7	Jul-xx	-	-	0.5833	
8	Aug-xx	-	-	0.6667	

		-			
9	Sep-xx	-	-		<u>0.7500</u>
10	Oct-xx	-	-		0.8333
11	Nov-xx	-	-		0.9167
12	Dec-xx	-	-		<u>1.0000</u>
13				Year 1 True-Up Adjustment + Interest EB	1.0000
14	Jan-xx	-	-		1.0000
15	Feb-xx	-	-		1.0000
16	Mar-xx	-	-		<u>1.0000</u>
17	Apr-xx	-	-		1.0000
18	May-xx	-	-		1.0000
19	Jun-xx	-	-		<u>1.0000</u>
20	Jul-xx	-	-		1.0000
21	Aug-xx	-	-		1.0000
22	Sep-xx	-	-		<u>1.0000</u>
23	Oct-xx	-	-		1.0000
24	Nov-xx	-	-		1.0000
25	Dec-xx	-	-		<u>1.0000</u>
26				Year 2 True-Up Adjustment + Interest EB	1.0000
27				Principle Amortization	0.0833
28				Interest Amortization + -	
29				Year 3 Monthly Amortization	0.0833
30	Jan-xx	-	-		0.9167
31	Feb-xx	-	-		0.8333
32	Mar-xx	-	-		<u>0.7500</u>
33	Apr-xx	-	-		0.6667
34	May-xx	-	-		0.5833
35	Jun-xx	-	-		<u>0.5000</u>
36	Jul-xx	-	-		0.4167
37	Aug-xx	-	-		0.3333
38	Sep-xx	-	-		<u>0.2500</u>
39	Oct-xx	-	-		0.1667
40	Nov-xx	-	-		0.0833
41	Dec-xx	-	-		<u>-</u>
42				Year 3 True-Up Adjustment + Interest EB	-
43				Total Amount Refunded/Surcharged	1.0000
44				True-Up Before Interest -	<u>1.0000</u>
45				Interest Refunded/Surcharged	-

(Found usin



47	xxxx	Rate Year ATRR (c):	-	-
48		Base Refund or (Surcharge):	-	
49		Interest (Line 45 × Line 48):	+	-
50		Total Refund or (Surcharge):	-	-

Notes

(a) Interest rate inputs will be equal to C.F.R. 35.19a.

(b) The interest rate to be applied to the True-up will be determined as follows: (i) for time periods for which there is an interest rate posted on FERC's website, the True-up will be the interest rate posted on FERC's website; (ii) for time periods for which there is no interest rate posted on FERC's website (i.e., future time periods, in which an interest rate is not yet available), the True-up will reflect the last known interest rate as determined prior to the posting of the JCP&L PTRR that includes the applicable True-up.

(c) The ATRR is used to compare against the billed revenue in the true-up calculation. This section will not contain true-up amounts.

Attachment H-4A, Attachment

page 1 of 1

For the 12 months ended 12/31

Line	(A) Month	(B) PJM Bill NITS Charge Code	(C) True-up (a)	(D) Other (b)
1	January	-		
2	February	-		
3	March	-		
4	April	-		
5	May	-		
6	June	-		
7	July	-		
8	August	-		
9	September	-		
10	October	-		
11	November	-		
12	December	-		
13	Total	-	-	-

Month	(B) PJM Bill TEC Charge Code	(C) True-up (a)	(D) Other (b)
14	January	-	
15	February	-	
16	March	-	
17	April	-	
18	May	-	
19	June	-	
20	July	-	
21	August	-	
22	September	-	
23	October	-	
24	November	-	
25	December	-	
26	Total	-	-

Notes

- (a) The PJM NITS & TEC charges will include a true-up for the over/under recovery from a prior rate period.
- (b) JCP&L to include any necessary prior period adjustments including those identified through the discovery or challenge procedures, as defined within the protocols.

Attachment H-4A, Attachment 14a  
page 1 of 1  
For the 12 months ended 12/31/XXXX

-----  
-----  
-----  
-----  
=====



		<u>New Jersey</u>				<u>Combined Tax Rate</u>	
1	State						
2	Nominal Federal Tax Rate (FIT)	0.00%		0.00%		0.00%	= FIT
3	Apportionment Percentage (p)	0.00%	+		+	0.00%	=
4	Nominal State Tax Rate	0.00%				0.00%	
5	Percent of Federal Deducted for State	0.00%					
6	Line 3 × Line 4	0.00%	+		+	0.00%	= SIT
7	Line 3 × Line 5	0.00%	+		+	0.00%	= p
8				T	=	0.00%	=
9	Composite Tax Factor (CTF)	=	#DIV/0!	=	1 - {[ (1 - SIT) * (1 - FIT) ] / (1 - SIT * FIT * p)}		
10					(T / (1 - T)) * (1 - (WCLTD / ROR))		
11					where WCLTD = Attachment H4-A, page 4, line 12, and		
12	Tax Gross-up Factor (TGUF)	=	0.00%	=	R= (page 4, line 15)		
					(T / (1 - T))		
13	Return on Rate Base			#DIV/0!		Attachment H-4A, Page 3, Line 15, Col. 5	
14	Composite Tax Factor	×	#DIV/0!		#DIV/0!		
15	Preliminary Income Taxes Allowable				#DIV/0!		
16	AFUDC Equity (b)				-		
17	Amortization of ITC Tax Credit (a)				-	×	GP
18	Amortization of (Excess)/Deficient Deferred Income Tax (c)	+			-	=	Attachment 15a, Line 21, Col. (M)
19	Income Tax Adjustments				-		
20	Gross-up on Income Tax Adjustments	+			-	=	Line 19 × TGUF
21	Grossed-Up Income Tax Adjustments				-		
22	Income Taxes Allowable				#DIV/0!	=	Line 15 + Line 21

Notes

(a) FERC Form No. 1, page 266.8.f.

(b) The source shall be company records for current-year AFUDC Equity Depreciation. No additional permanent tax differences may be included without JCP&L making a Section 205 filing.

(c) JCP&L to provide additional attachments for each tax rate change and aggregate related amortization.



9	July	FERC Account 182.2	6
10	August	FERC Account 182.2	5
11	September	FERC Account 182.2	4
12	October	FERC Account 182.2	3
13	November	FERC Account 182.2	2
		p111.71.c (and Notes)	
14	December 20XX	Detail on p230b	1
15	<b>Ending Balance 13-Month Average</b>	(sum lines 2-14) /13	

Attachment H-4A, page 3, Li

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

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

-----

=====

-----

Attachment H-4A, Attachment 18  
page 1 of 1  
For the 12 months ended 12/31/XXXX

Ln.	Text Description	(A)	(B) Allocator	(C) Amount	x	(D) Allocator
1	<b>FERC Account No. 451</b>					
1.01						
1.XX						
2	Sum of Lines 1.01 through 1.XX			-		
3	<b>FERC Account No. 454 (d)</b>					
3.01						
3.XX						
4	Sum of Lines 3.01 through 3.XX			-		
5	<b>FERC Account No. 456 (e)</b>					
5.01						
5.XX						
6	Sum of Lines 5.01 through 5.XX			-		
7	<b>Other</b>					
7.01						
7.XX						
8	Sum of Lines 7.01 through 7.XX			-		
9	Sum of Lines 2, 4, 6, and 8					

**Notes**

(a) Allocator must be DA, TE, TP, GP, WS, CE, or EXCL.

(b) JCP&L may add or remove sublines without a FPA Section 205 filing.

(c) JCP&L to populate column C if item is partially or wholly allocated to the transmission revenue requirement.

(d) Includes income related only to transmission facilities, such as pole attachments, rentals and special use.

(e) 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 revenues and revenues related to RTEP projects.



Attachment H-4A, Attachment 19  
 page 1 of 1  
 For the 12 months ended 12/31/XXXX

Line	FERC A/C	(A) Title	(B) FERC Form No. 1 Citation	(C) FERC Form No. 1 Balance	x	(D) TE Allocator	=	(E) Total Transmission	-	(F) Transmission Exclusions (a)	=	(G) To Revenue Req.	(H)
1	560	Operation Supervision and Engineering	Page 321.83.b			-		-				-	
2	561.1	Load Dispatch-Reliability	Page 321.85.b			-		-				-	
3	561.2	Load Dispatch-Monitor and Operate Transmission System	Page 321.86.b			-		-				-	
4	561.3	Load-Dispatch-Transmission Service and Scheduling	Page 321.87.b			-		-				-	
5	561.4	Scheduling, System Control and Dispatch Services	Page 321.88.b			-		-				-	
6	561.5	Reliability, Planning and Standards Development	Page 321.89.b			-		-				-	
7	561.6	Transmission Service Studies	Page 321.90.b			-		-				-	
8	561.7	Generation Interconnection Studies	Page 321.91.b			-		-				-	
9	561.8	Reliability, Planning and Standards Development Services	Page 321.92.b			-		-				-	
10	562	Station Expenses	Page 321.93.b			-		-				-	
11	563	Overhead Lines Expense	Page 321.94.b			-		-				-	
12	564	Underground Lines Expense	Page 321.95.b			-		-				-	
13	565	Transmission of Electricity by Others	Page 321.96.b			-		-				-	
14	566	Miscellaneous Transmission Expense	Page 321.97.b			-		-				-	
15	567	Rents	Page 321.98.b			-		-				-	
16	568	Maintenance Supervision and Engineering	Page 321.101.b			-		-				-	
17	569	Maintenance of Structures				-		-				-	

Record  
 Content  
 Description,  
 Tariff  
 Record  
 Title,  
 Record  
 Version

n  
Number,  
Option  
Code:  
OATT  
ATT  
H-4B,  
OATT  
Attachment  
H-4B -  
Formula Rate  
Implementation  
Protocols,  
4.1.0,  
A  
Record  
Narrative  
Name:  
Jersey  
Central  
Power  
& Light  
Company's  
Formula Rate  
Implementation  
Protocols  
Tariff  
Record  
ID:  
1660  
Tariff  
Record  
Collation  
Value:  
34344  
4969  
Tariff  
Record  
Parent  
Identifier: 357  
Proposed  
Date:  
2020-0  
1-01  
Priority  
Order:  
700  
Record  
Change  
Type:  
CHAN

GE  
Record  
Content  
Type:  
1  
Associated  
Filing  
Identifier:  
5461

**ATT**

**ACH**

**ME**

**NT**

**H-4B**

**Jerse**

**y**

**Cent**

**ral**

**Powe**

**r &**

**Ligh**

**t**

**Com**

**pany**

**For**

**mula**

**Rate**

**Impl**

**emen**

**tatio**

**n**

**Prot**

**ocols**

**ANN**

**UAL**

**TRU  
E-U  
P,  
INF  
OR  
MA  
TIO  
N  
EXC  
HAN  
GE,  
AND  
CHA  
LLE  
NGE  
PRO  
CED  
URE  
S  
Defi  
nitio  
ns**

“Act  
ual  
Trans  
missi  
on  
Reve  
nue  
Requ  
ireme  
nt” or  
“AT  
RR”  
mean  
s the  
actua  
l net  
trans  
missi

on  
reven  
ue  
requi  
reme  
nt  
calcu  
lated  
and  
poste  
d on  
the  
PJM  
webs  
ite no  
later  
than  
June  
10 of  
each  
year  
subse  
quent  
to  
calen  
dar  
year  
2020  
for  
the  
imme  
diatel  
y  
prece  
ding  
calen  
dar  
year  
in  
accor

danc  
e  
with  
JCP  
&L's  
Form  
ula  
Rate  
and  
based  
upon  
JCP  
&L's  
actua  
l  
costs  
and  
expe  
nditu  
res.

“Ann  
ual  
Upda  
te”  
mean  
s  
JCP  
&L's  
ATR  
R for  
the  
prece  
ding  
calen  
dar  
year,  
as  
well  
as the  
True-

up  
for  
the  
prior  
Rate  
Year,  
as  
poste  
d on  
or  
befor  
e  
June  
10 of  
each  
year.

“For  
mal  
Chall  
enge  
”

mean  
s a  
writt  
en  
chall  
enge  
to an  
Annu  
al  
Upda  
te or  
Proje  
cted  
Trans  
missi  
on  
Reve  
nue  
Requ

irement  
not  
submitted  
to the  
Federal  
Energy  
Regulatory  
Commission  
(the  
“Commission”  
or  
“FERC”)  
as  
provided  
in  
Section IV  
below.

“Formula  
Rate”  
means the  
collection  
of  
formulas



and  
work  
sheet  
s,  
unpo  
pulat  
ed  
with  
any  
data,  
inclu  
ded  
as  
Attac  
hmen  
t  
H-4A  
of the  
PJM  
Tarif  
f.

“Inte  
reste  
d  
Parti  
es”  
inclu  
de,  
but  
are  
not  
limit  
ed to,  
custo  
mers  
under  
the  
PJM  
Tarif  
f,

state  
utilit  
y  
regul  
atory  
com  
missi  
ons,  
the  
Orga  
nizati  
on of  
PJM  
State  
s,  
Inc.,  
cons  
umer  
advo  
cacy  
agen  
cies,  
and  
state  
attor  
neys  
gener  
al.

“PJM  
Tarif  
f”  
mean  
s the  
Open  
Acce  
ss  
Trans  
missi  
on  
Tarif

f of  
the  
PJM  
Inter  
conn  
ectio  
n,  
L.L.  
C.

“Prel  
imina  
ry  
Chall  
enge  
”

mean  
s a  
writt  
en  
chall  
enge  
to the  
Annu  
al  
Upda  
te or  
Proje  
cted  
Trans  
missi  
on  
Reve  
nue  
Requ  
ireme  
nt  
subm  
itted  
to  
JCP

&L  
as  
provi  
ded  
in  
Secti  
on IV  
belo  
w.

“Proj  
ected  
Trans  
missi  
on  
Reve  
nue  
Requ  
ireme  
nt” or  
“PTR  
R”  
mean  
s the  
proje  
cted  
net  
trans  
missi  
on  
reven  
ue  
requi  
reme  
nt  
calcu  
lated  
for  
the  
forth  
comi

ng  
Rate  
Year,  
as  
well  
as,  
wher  
e  
appli  
cable  
, the  
most  
recen  
tly  
calcu  
lated  
True-  
up,  
with  
intere  
st, to  
be  
poste  
d on  
the  
PJM  
webs  
ite no  
later  
than  
Octo  
ber  
31 of  
each  
year  
for  
rates  
effect  
ive  
the

next  
calen  
dar  
year  
starti  
ng  
Janua  
ry 1.

“Prot  
ocols  
”

mean  
s  
these  
Proto  
cols,  
inclu  
ded  
as  
Attac  
hmen  
t  
H-4B  
of the  
PJM  
Tarif  
f).

“Publ  
icatio  
n  
Date  
”

mean  
s the  
date  
on  
whic  
h the  
Annu

al  
Upda  
te is  
poste  
d.

“Rate  
Year  
”

mean  
s the  
twelv  
e  
conse  
cutiv  
e  
mont  
h  
perio  
d that  
begin  
s on  
Janua  
ry 1  
and  
conti  
nues  
throu  
gh  
Dece  
mber  
31.

“Tru  
e-up”  
mean  
s the  
differ  
ence  
betw  
een

the  
reven  
ues  
colle  
cted  
by  
PJM  
based  
on  
the  
PTR  
R  
(net  
of the  
True-  
up  
from  
the  
prior  
year)  
and  
the  
ATR  
R for  
the  
same  
Rate  
Year,  
whic  
h  
shall  
be  
provi  
ded  
in the  
Annu  
al  
Upda  
te on  
or



before  
June  
10 of  
the  
year  
subse  
quent  
to the  
Rate  
Year.  
The  
True-  
up  
will  
be a  
comp  
onent  
of the  
PTR  
R.

**Secti  
on I.**

**Appl  
icabi  
lity**

he  
follo  
wing  
proce  
dures  
shall  
apply  
to the  
Jerse  
y  
Centr

al  
Powe  
r &  
Light  
Com  
pany  
("JC  
P&L  
")  
calcu  
lation  
of its  
Actu  
al  
Trans  
missi  
on  
Reve  
nue  
Requ  
ireme  
nt,  
True-  
up,  
and  
Proje  
cted  
Trans  
missi  
on  
Reve  
nue  
Requ  
ireme  
nt.

**Secti  
on  
II.**

**Ann**

**ual  
Upd  
ate  
and  
Proj  
ected  
Tran  
smis  
sion  
Reve  
nue  
Requ  
irem  
ent**

A.

















B.

















C.





































































































































































































DE.



































~~E~~F.

The  
ATR  
R  
shall:































































































































































































































~~F~~G.

The  
Proj  
ecte  
d

Trans  
mission  
n  
Revenue  
e  
Requirements  
t  
shall:  
l:

























.  
Ident  
ify  
any  
Acco  
untin  
g  
Chan  
ge,  
inclu  
ding:















































































[GH.](#)





































HI.









































**Secti  
on**

**III.**

**Information  
Exchange  
Procedures**

Each Annual Update and PTR R shall be subject to the following information exchange procedures (“Information Exchange Procedures

”):

A.

































































































The  
infor  
matio  
n and  
docu  
ment  
reque  
sts  
shall  
not  
be  
direct  
ed to  
ascer  
tainin  
g  
whet  
her  
the  
Form  
ula  
Rate  
is  
just  
and  
reaso  
nable  
.

B.





















C.



















D.

















E.























**Secti  
on  
IV.**

**Chal  
lenge**

**Pro  
cedur  
es**

A.































































B.























































































C.











.

A  
Form  
al  
Chall  
enge  
shall:



















i)

the  
exten  
t or  
effect



of an  
Acco  
untin  
g  
Chan  
ge;



































































































































D.



































































E.





























F.









































G.

























H.



























I.



















































J.

















**Secti**



A.



































B.



































**Secti**

A.























































































































B.











**Secti  
on  
VII.**

**Calc  
ulati  
on of  
True  
-up**

he  
True-  
up  
will  
be  
deter  
mine  
d in  
the  
follo  
wing  
mann  
er:

A.







































































































B.



















**Secti**

A.































B.







































Record  
Content  
Description,

Tariff  
Record  
Title,  
Record  
Versio  
n  
Numbe  
r,  
Option  
Code:  
OATT  
ATT  
H-4C,  
OATT  
Attach  
ment  
H-4C -  
Other  
Support  
ing  
Faciliti  
es  
Rates,  
0.1.0,  
A  
Record  
Narativ  
e  
Name:  
Jersey  
Central  
Power  
& Light  
Compa  
ny's  
Other  
Support  
ing  
Faciliti  
es  
Rates  
Tariff  
Record  
ID:  
1755  
Tariff  
Record  
Collati  
on  
Value:  
34344  
4979  
Tariff  
Record  
Parent  
Identifi  
er: 357  
Propos  
ed  
Date:  
2020-0  
1-01  
Priority  
Order:  
600  
Record  
Chang



e  
Type:  
CHAN  
GE  
Record  
Conten  
t Type:  
1  
Associ  
ated  
Filing  
Identifi  
er:

**ATT  
ACH  
ME  
NT  
H-4  
C  
Othe  
r  
Supp  
ortin  
g  
Facil  
ities  
Rate  
s --  
Jerse  
y  
Cent  
ral  
Powe  
r &  
Ligh  
t  
Com  
pany  
for  
Netw  
ork  
Integ  
ratio  
n  
Tran  
smis  
sion  
Servi  
ce**

Servi  
ce  
Belo  
w  
34.5  
kV  
delta

s  
provi  
ded  
in  
Attac  
hmen  
t  
H-4,  
secti  
on 1,  
servi  
ce  
utiliz  
ing  
facili  
ties  
at  
volta  
ges  
belo  
w  
34.5  
kV  
delta  
to  
serve  
certain  
n  
New  
Jerse  
y  
muni  
cipal  
utiliti  
es  
will  
be

provi  
ded  
at  
rates  
deter  
mine  
d on  
a  
case-  
by-ca  
se  
basis  
and  
stated  
in  
existi  
ng  
NITS  
Agre  
emen  
ts  
under  
Attac  
hmen  
t F  
throu  
gh  
the  
expir  
ation  
of  
such  
agree  
ment  
s on  
May  
31,  
2019.  
Com  
menc  
ing  
on  
June  
1,  
2019,  
the

rates  
for  
such  
servi  
ce  
shall  
be as  
follo  
ws:

B  
rou  
gh of  
Butle  
r,  
New  
Jerse  
y:  
\$0.11  
21/k  
W-M  
onth

B  
rou  
gh of  
Laval  
lette,  
New  
Jerse  
y:  
\$2.37  
84/k  
W-M  
onth

B  
rou  
gh of  
Madi  
son,  
New  
Jerse  
y:  
\$0.05  
70/k  
W-M

onth

B  
orou  
gh of  
Pemb  
erton,  
New  
Jerse  
y:  
\$1.10  
81/k  
W-M  
onth

B  
orou  
gh of  
Seasi  
de  
Heig  
hts,  
New  
Jerse  
y:  
\$1.24  
59/k  
W-M  
onth

he  
abov  
e  
rates  
will  
be  
appli  
ed to  
the  
each  
of the  
New  
Jerse  
y  
boro  
ughs'

monthly sixty (60) minute coincident billing demands measured at the time of JCP &L's system peak each month.

			321.102.b					
18	569.1	Maintenance of Computer Hardware	Page 321.103.b	-	-	-	-	-
19	569.2	Maintenance of Computer Software	Page 321.104.b	-	-	-	-	-
20	569.3	Maintenance of Communication Equipment	Page 321.105.b	-	-	-	-	-
21	569.4	Maintenance of Miscellaneous Regional Transmission Plant	Page 321.106.b	-	-	-	-	-
22	570	Maintenance of Station Equipment	Page 321.107.b	-	-	-	-	-
23	571	Maintenance of Overhead Lines	Page 321.108.b	-	-	-	-	-
24	572	Maintenance of Underground Lines	Page 321.109.b	-	-	-	-	-
25	573	Maintenance of Miscellaneous Transmission Plant	Page 321.110.b	-	-	-	-	-
26		Sum of Lines 1 through 25		-	-	-	-	-

Line	FERC A/C	Title	FERC Form No. 1 Citation	FERC Form No. 1 Balance	Production Exclusion (b)	Total Excluding Production	x	Allocator	=	Total Transmission	-	Transmission Exclusions (a)
27	920	Administrative and General Salaries	Page 323.181.b			-		1.0000		-		
28	921	Office Supplies and Expenses	Page 323.182.b			-		1.0000		-		
29	922	Administrative Expenses Transferred - Credit	Page 323.183.b			-		1.0000		-		
30	923	Outside Services Employed	Page 323.184.b			-		1.0000		-		
31	924	Property Insurance	Page 323.185.b			-		1.0000		-		
32	925	Injuries and Damages	Page 323.186.b			-		1.0000		-		
33	926	Employee Pensions and Benefits	Page 323.187.b			-		1.0000		-		
34	927	Franchise Requirements	Page 323.188.b			-		1.0000		-		
35	928	Regulatory Commission Expense	Page 323.189.b			-		1.0000		-		
36	929	(Less) Duplicate Charges-Cr.	Page 323.190.b			-		1.0000		-		
37	930.1	General Advertising Expenses	Page 323.191.b			-		1.0000		-		
38	930.2	Miscellaneous General Expenses	Page 323.192.b			-		1.0000		-		
39	931	Rents	Page 323.193.b			-		1.0000		-		

40	935	Maintenance of General Plant	Page 323.196.b			-	1.0000	-
41		Sum of Lines 27 through 40		-	-	-		-
42								

Notes:

- (a) Excluded costs specifically include, but are not limited to any amortization related to Regulatory Assets for which FERC approval has not been granted, EPRI dues and non-safety advertising included within 930.1. Regulatory commission expenses within 928 that are directly assigned in total or portions allocated to distribution; accounts 561.4, 561.8, and 575.7 that consist of RTO expenses billed to load-serving entities and account 565 transmission of electricity by others.
- (b) All production labor or expenses to be excluded from A&G accounts.
- (c) JCP&L to include only balances attributable to transmission.

Document Content(s)

JCPL Compliance Filing Transmittal Letter (ER20-227).PDF .....	1
Marked Tariff.PDF.....	5
Clean Tariff.PDF.....	83
FERC GENERATED TARIFF FILING.RTF.....	136