

March 25, 2022

via Electronic Submission

Aida Camacho-Welch, Secretary
Board of Public Utilities
44 South Clinton Ave., 9th Floor
PO Box 350
Trenton, NJ 08625-0350
board.secretary@bpu.nj.gov

RE: Jersey Central Power & Light Company
Tariff Compliance Filing
I/M/O The Provision of Basic Generation Service
For the Period Beginning June 1, 2022– Auction Results
Docket No. ER21030631

Dear Secretary Camacho-Welch:

Pursuant to the referenced Order dated February 9, 2022 approving BGS auction results, attached please find electronic version of the Company's Compliance Filing for Rider BGS-RSCP (Residential Small Commercial Pricing) and Rider BGS-CIEP (Commercial Industrial Energy Pricing) for service rendered effective June 1, 2022.

This filing includes the following attachments:

Attachment 1 – Proposed tariff sheets effective June 1, 2022.

Attachment 2 – The 2022 BGS Auction Cost and Bid Factor Tables for ratios used in developing Rider BGS-RSCP rates. These ratios were updated in January 2022 as stated in JCP&L's Company Specific Addendum Compliance Filing dated December 2, 2021.

Attachment 3 – The calculation of the composite BGS-RSCP wholesale price based on the BPU approved auction results from 2020, 2021 and 2022's BGS RSCP auctions and the worksheet showing the derivation of the proposed Rider BGS-RSCP rates.

Attachment 4 – The PJM Zonal Net Price for delivery year 2022/2023 used in calculation of Capacity Proxy Price True-up.

In accordance with the Board's March 19, 2020 Order in Docket No. EO20030254, JCP&L is providing this filing by electronic mail only. No physical copies will follow. Please kindly confirm your receipt and acceptance of this filing by electronic mail at your earliest convenience.

Sincerely,



Mark A. Mader
Director
Rates & Regulatory Affairs - NJ

Enclosure

cc: (Electronic Mail)
Service List

IN THE MATTER OF THE PROVISION OF BASIC GENERATION SERVICE BGS) FOR THE PERIOD BEGINNING
JUNE 1, 2022

DOCKET NO. ER21030631

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DOCKET NO. ER21030631

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JERSEY CENTRAL POWER & LIGHT COMPANY

BPU No. 13 ELECTRIC - PART III

XX Rev. Sheet No. 41
Superseding XX Rev. Sheet No. 41

Rider BGS-RSCP
Basic Generation Service – Residential Small Commercial Pricing
(Applicable to Service Classifications RS, RT, RGT, GS, GST, OL, SVL, MVL, ISL and LED)

Effective June 1, 2015, Rider BGS-FP (Basic Generation Service – Fixed Pricing) is renamed Rider BGS-RSCP to comply with the BPU Order dated November 24, 2014 (Docket No. ER14040370).

AVAILABILITY: Rider BGS-RSCP is available to and provides Basic Generation Service (default service) charges applicable to all KWH usage for Full Service Customers taking service at secondary voltages under Service Classifications RS, RT, RGT, GS, GST, OL, SVL, MVL, ISL and LED, except for GS and GST customers that have a peak load share of 500 KW or greater as of **November 1, 2021**. Rider BGS-RSCP-eligible GS and GST customers may elect to take default service under Rider BGS-CIEP no later than the second business day in January of each year. Such election will be effective June 1 of that year and Rider BGS-CIEP will remain the customer's default service for the entire 12-month period from June 1 through May 31 of the following year. BGS-RSCP-eligible customers who have elected to take default service under BGS-CIEP may return to BGS-RSCP by notifying the Company no later than the second business day in January of each year. Such notification to return to BGS-RSCP will become effective June 1 of that year.

RATE PER BILLING MONTH: (For service rendered effective **June 1, 2022 through **May 31, 2023**)**
1) BGS Energy Charge per KWH: (All charges include Sales and Use Tax as provided in Rider SUT.)

<u>Service Classification</u>	<u>June through September</u>	<u>October through May</u>
RS - first 600 KWH	\$0.071484	
- all KWH over 600	\$0.080709	
- all KWH		\$0.081471
(Excludes off-peak and controlled water heating special provisions)		
RT - all on-peak KWH	\$0.102557	\$0.103818
- all off-peak KWH	\$0.054151	\$0.057373
RGT - all on-peak KWH	\$0.102557	
- all off-peak KWH	\$0.054151	
- all KWH		\$0.081471
RS and GS Water Heating – all KWH	\$0.074607	\$0.074395
(For separately metered off-peak and controlled water heating usage under applicable special provisions)		
GS - all KWH	\$0.074746	\$0.074466
(Excludes off-peak and controlled water heating special provisions)		
GST - all on-peak KWH	\$0.094431	\$0.088547
- all off-peak KWH	\$0.054711	\$0.056672
OL, SVL, MVL, ISL, LED - all KWH	\$0.057863	\$0.058494

BGS Energy Charges above reflect costs for energy, generation capacity, ancillary services and related cost.

Issued:

Effective: **June 1, 2022**

Filed pursuant to Order of Board of Public Utilities
Docket No. ER21030631 dated February 9, 2022

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

JERSEY CENTRAL POWER & LIGHT COMPANY

BPU No. 13 ELECTRIC - PART III

XX Rev. Sheet No. 43
Superseding XX Rev. Sheet No. 43

Rider BGS-CIEP
Basic Generation Service – Commercial Industrial Energy Pricing
(Applicable to Service Classifications GP and GT and
Certain Customers under Service Classifications GS and GST)

AVAILABILITY: Rider BGS-CIEP is available to and provides Basic Generation Service (default service) charges applicable to all Full Service Customers taking service at primary and transmission voltages under Service Classifications GP and GT and any Full Service Customers taking service at secondary voltages under Service Classifications GS and GST that have a peak load share of 500 KW or greater as of **November 1, 2021**, or that have elected to take BGS-CIEP service no later than the second business day in January of each year. All BGS-CIEP customers remain subject to this Rider for the entire 12-month period from June 1 of any given year through May 31 of the following year.

RATE PER BILLING MONTH:
(For service rendered effective **June 1, 2022 through **May 31, 2023**)**

1) BGS Energy Charge per KWH: The sum of actual real-time PJM load weighted average Residual Metered Load Aggregate Locational Marginal Price for JCP&L Transmission Zone and ancillary services of **\$0.00600** per KWH, times the Losses Multiplier provided below, times 1.06625 multiplier for Sales and Use Tax as provided in Rider SUT.

Losses Multiplier:	GT – High Tension Service	1.005
	GT	1.027
	GP	1.047
	GST	1.103
	GS	1.103

2) BGS Capacity Charge per KW of Generation Obligation: **\$0.25480** per KW-day times BGS-CIEP customer's share of the capacity peak load assigned to the JCP&L Transmission Zone by the PJM Interconnection, L.L.C., as adjusted by PJM assigned capacity related factors, times 1.06625 multiplier for Sales and Use Tax as provided in Rider SUT.

3) BGS Transmission Charge per KWH: As provided in the respective tariff for Service Classifications GS, GST, GP and GT. Effective September 1, 2019, a RMR surcharge will be added to the BGS Transmission Charge applicable to all KWH usage, as follows (includes Sales and Use Tax as provided in Rider SUT):

GT – High Tension Service	\$0.000000
GT	\$0.000000
GP	\$0.000000
GS and GST	\$0.000000

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Effective: **June 1, 2022**

Filed pursuant to Order of Board of Public Utilities
Docket No. ER21030631 dated February 9, 2022

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

JERSEY CENTRAL POWER & LIGHT COMPANY

BPU No. 13 ELECTRIC - PART III

XX Rev. Sheet No. 45
Superseding XX Rev. Sheet No. 45

Rider CIEP – Standby Fee
Commercial Industrial Energy Pricing Standby Fee
(Applicable to Service Classifications GP and GT and
Certain Customers under Service Classifications GS and GST)

Effective June 1, 2007, Rider DSSAC (Default Supply Service Availability Charge) is renamed Rider CIEP – Standby Fee to comply with the BPU Order dated December 22, 2006 (Docket No. EO06020119).

APPLICABILITY: Rider CIEP – Standby Fee provides a charge applicable to all KWH usage of all Full Service Customers or Delivery Service Customers taking service under Service Classifications GP and GT and any Full Service Customer or Delivery Service Customer taking service under Service Classifications GS and GST that has a peak load share of 500 KW or greater as of **November 1, 2021**, or that has elected to take Basic Generation Service-Commercial Industrial Energy Pricing under Rider-CIEP no later than the second business day in January of each year. This charge is applicable for service rendered from **June 1, 2022** through **May 31, 2023** to recover costs associated with administrating and maintaining the availability of the hourly-priced default Basic Generation Service for these customers.

CIEP – Standby Fee per KWH: \$0.000150

(\$0.000160 including Sales and Use Tax as provided in Rider SUT)

Issued:

Effective: **June 1, 2022**

Filed pursuant to Order of Board of Public Utilities
Docket No. ER21030631 dated February 9, 2022

Issued by James V. Fakult, President
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**Jersey Central Power & Light
Attachment 2
2022 BGS Auction Cost and Bid Factor Tables**

2020/2021 BGS Supply Period Estimated Supplier Payments Allocated by Rate Class

**Development of Post Transition Period BGS Cost and Bid Factors
Adjusted to Billing Time Periods**

Table #1

% Usage During PJM On-Peak Period

*Based on an average of 2018 through 2020 Load Profile Information
On-Peak periods defined as the 16 hr PJM Trading period, adj for NERC holidays*

	<i>Profile Meter Data</i>	<i>Profile Meter Data</i>	<i>Profile Meter Data</i>	<i>Profile Meter Data</i>	<i>Other Analysis</i>
	RT{1}	RS{2}	GS{3}	GST	OL/SL
<i>(data rounded to nearest .01 %)</i>					
January	49.26%	51.71%	57.70%	55.37%	33.70%
February	47.00%	49.77%	56.66%	54.60%	30.82%
March	47.66%	50.31%	58.23%	53.75%	30.21%
April	50.07%	52.19%	59.84%	55.60%	31.45%
May	47.79%	49.49%	58.46%	55.47%	29.65%
June	52.17%	52.87%	57.71%	56.05%	29.33%
July	52.81%	52.68%	58.42%	56.00%	29.37%
August	53.61%	53.55%	58.67%	56.42%	30.19%
September	46.66%	47.66%	56.78%	54.03%	30.29%
October	49.91%	52.91%	60.49%	57.61%	34.64%
November	45.64%	48.42%	56.46%	53.26%	32.22%
December	46.16%	48.29%	55.37%	52.36%	32.63%

Table #2

% Usage During JCP&L On-Peak Billing Period

On-Peak periods as defined in specified rate schedule

	<i>2021 Forecasted Calendar Month Sales</i>	<i>N/A</i>	<i>N/A</i>	<i>2021 Forecasted Calendar Month Sales</i>	<i>N/A</i>
	RT{1}	RS{2}	GS{3}	GST	OL/SL
<i>(data rounded to nearest .01 %)</i>					
January	35.23%	----	----	41.96%	----
February	34.75%	----	----	42.80%	----
March	34.48%	----	----	42.74%	----
April	35.09%	----	----	43.52%	----
May	36.95%	----	----	44.42%	----
June	39.81%	----	----	46.05%	----
July	41.46%	----	----	45.92%	----
August	41.87%	----	----	46.00%	----
September	40.83%	----	----	46.35%	----
October	37.07%	----	----	45.92%	----
November	35.20%	----	----	44.43%	----
December	35.21%	----	----	42.44%	----

{1} For BGS purposes the RT rate class includes the RS and GS rate class Off-Peak (OPWH) and Controlled Water Heating (CTWH) provisions. The RT rate class also includes the summer billing month RGT rate class usage. OPWH and CTWH is billed on the average RT rates, while RT and Summer RGT use is billed at on-peak and off-peak rates.

{2} For BGS purposes the RS rate class excludes the Off-Peak and Controlled Water Heating provisions and includes the winter billing month RGT rate class usage

{3} For BGS purposes the GS rate class excludes the Off-Peak and Controlled Water Heating provisions

**Jersey Central Power & Light
Attachment 2**

Table #3 **Class Usage @ customer**
*calendar month sales forecasted for 2022
in MWh*

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	Total
January	20,815	815,621	466,450	15,399	9,750	1,328,035
February	20,172	762,547	480,508	17,331	9,750	1,290,308
March	18,190	697,680	456,122	15,534	9,750	1,197,276
April	15,457	605,462	452,797	17,351	9,750	1,100,817
May	12,799	566,501	427,400	17,480	9,751	1,033,931
June	14,236	738,012	458,370	13,058	9,751	1,233,427
July	17,304	1,052,540	522,528	17,229	9,751	1,619,352
August	17,988	1,131,632	562,706	18,647	9,751	1,740,724
September	16,104	986,684	508,593	15,352	9,752	1,536,485
October	11,117	649,345	453,589	15,205	9,752	1,139,008
November	12,068	575,446	441,609	16,461	9,752	1,055,336
December	16,437	680,225	476,655	18,111	9,752	1,201,180
Total	192,687	9,261,695	5,707,327	197,158	117,012	15,475,879

Table #4 **Forwards Prices - Energy Only @ bulk system**
in \$/MWh

	Initial On-Peak	Adjusted On-Peak	Initial Off-Peak	Adjusted Off-Peak
January	42.050	41.912	33.119	33.010
February	39.750	39.619	31.307	31.204
March	32.100	31.994	25.282	25.199
April	29.050	28.955	22.880	22.805
May	29.050	28.955	22.880	22.805
June	28.250	38.241	18.882	25.560
July	32.900	44.535	21.990	29.767
August	30.750	41.625	20.553	27.822
September	30.450	41.219	20.353	27.551
October	28.350	28.257	22.328	22.255
November	28.800	28.705	22.683	22.608
December	31.550	31.446	24.849	24.767

Table #5 **Zone-Hub Basis Differential**
Based on 3 Year Average

	On-Peak	Off-Peak
	94%	96%
	94%	96%
	94%	96%
	94%	96%
	94%	96%
	93%	90%
	93%	90%
	93%	90%
	93%	90%
	94%	96%
	94%	96%
	94%	96%

Table #6

Losses	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
Loss Factors =	10.5545%	10.5545%	10.5545%	10.5545%	10.5545%
Expansion Factor =	1.11800	1.11800	1.11800	1.11800	1.11800
Loss Factors from Transmission Nodes =	9.8633%	9.8633%	9.8633%	9.8633%	9.8633%
Expansion Factor to Transmission Nodes =	1.10943	1.10943	1.10943	1.10943	1.10943

{4} The GS and GST units exclude the units associated with the 500 kW and above PLS accounts that will be required to take service under BGS-CIEP

**Jersey Central Power & Light
Attachment 2**

Table #7 **Summary of Average BGS Energy Only Unit Costs @ customer - PJM Time Periods**
based on Forwards prices corrected for zone-hub differential and losses - PJM time periods
in \$/MWh

		RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	
Summer - all hrs		\$ 35.794	\$ 35.935	\$ 36.748	\$ 36.499	\$ 32.377	
	PJM on pk	\$ 43.230	\$ 43.332	\$ 43.171	\$ 43.277	\$ 43.052	
	PJM off pk	\$ 27.936	\$ 28.017	\$ 27.907	\$ 27.989	\$ 27.846	
Winter - all hrs		\$ 31.567	\$ 31.365	\$ 31.428	\$ 31.062	\$ 29.589	
	PJM on pk	\$ 35.157	\$ 34.746	\$ 34.206	\$ 34.074	\$ 34.159	
	PJM off pk	\$ 28.263	\$ 27.926	\$ 27.613	\$ 27.424	\$ 27.447	
Annual		\$ 33.007	\$ 33.294	\$ 33.341	\$ 32.835	\$ 30.518	
System Total	\$ 33.28						

Table #8 **Summary of Average BGS Energy Only Costs @ customer - PJM Time Periods**
based on Forwards prices corrected for zone-hub differential and losses
in \$1000

		RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	Total
Summer - all hrs		\$ 2,349	\$ 140,464	\$ 75,414	\$ 2,346	\$ 1,263	\$ 221,837
	PJM on pk	\$ 1,458	\$ 87,569	\$ 51,317	\$ 1,549	\$ 500	\$ 142,393
	PJM off pk	\$ 891	\$ 52,895	\$ 24,097	\$ 798	\$ 763	\$ 79,444
Winter - all hrs		\$ 4,011	\$ 167,893	\$ 114,875	\$ 4,127	\$ 2,308	\$ 293,214
	PJM on pk	\$ 2,141	\$ 93,790	\$ 72,360	\$ 2,477	\$ 850	\$ 171,619
	PJM off pk	\$ 1,870	\$ 74,103	\$ 42,515	\$ 1,650	\$ 1,458	\$ 121,595
Annual		\$ 6,360	\$ 308,357	\$ 190,289	\$ 6,474	\$ 3,571	\$ 515,051
System Total	\$ 515,051						

**Jersey Central Power & Light
Attachment 2**

Table #9 **Summary of Average BGS Energy Only Unit Costs @ customer - JCP&L Time Periods**
based on Forwards prices corrected for zone-hub differential and losses - JCP&L billing time periods
in \$/MWh

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
Summer - all hrs	\$ 35.794	\$ 35.935	\$ 36.748	\$ 36.499	\$ 32.377
JCP&L On pk	\$ 45.157			\$ 44.868	
JCP&L Off pk	\$ 29.272			\$ 29.348	
Winter - all hrs	\$ 31.567	\$ 31.365	\$ 31.428	\$ 31.062	\$ 29.589
JCP&L On pk	\$ 35.001			\$ 34.929	
JCP&L Off pk	\$ 29.689			\$ 28.083	
Annual Average	\$ 33.007	\$ 33.294	\$ 33.341	\$ 32.835	\$ 30.518
System Average	\$ 33.28				

Table #10 **Generation & Transmission Obligations and Costs and Other Adjustments**
obligations - annual average forecasted for 2022; costs are market estimates
in MW

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	BGS-RSCP TOTAL
Gen Obl - MW	45.6	3,057.8	1,398.7	36.7	0.1	4,539.0
Trans Obl - MW	Not applicable for JCP&L - Transmission rates are based on Retail Tariff rates for the respective rate classes					
# of Months and Days used in this analysis						
	# of summer days =	122	# of summer months =	4		
	# of winter days =	243	# of winter months =	8		
			total # months =	12		
Transmission charges will be based on Retail Tariff rates for the applicable rate schedules						
Generation Capacity cost	Summer	\$ 175.11	174.534 \$/MW/day	Summer Total	\$ 96,649,441	
	Winter	\$ 175.11	174.534 \$/MW/day	Winter Total	\$ 192,506,674	
				Annual Total	\$ 289,156,115	

Residential summer BGS + Transmission charge differential
per BPU and summer blocking percentages

	Charges	Rate	% usage
Block 1 (0-600 kWh/m)			53.25%
Block 2 (>600 kWh/m)			46.75%
Differential (Excl. SUT)	0.8652 ¢/kWh		

Table #11 **Ancillary Services**

	Initial	Adjusted
Forecasted Ancillary Services Cost	\$2.00	
Renewable Portfolio Standard Cost	\$16.72	
forecasted overall annual average	\$18.72	18.658 \$/MWh

Table #12 **Summary of Obligation Costs Expressed as \$/MWh @ customer**

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
Transmission Obl - all months	\$ 8.214	\$ 8.214	\$ 8.214	\$ 8.214	-
Generation Obl \$/MWh - all months	\$ 15.080	\$ 21.032	\$ 15.613	\$ 11.871	\$ 0.059
Generation Obl \$/MWh - Summer - All Hours	\$ 14.798	\$ 16.657	\$ 14.513	\$	\$ 0.059
Generation Obl \$/MWh - Summer - On-Peak Hours	\$	\$	\$	\$ 26.413	
Generation Obl \$/MWh - Winter - All Hours	\$ 15.226	\$ 24.228	\$ 16.230	\$	\$ 0.059
Generation Obl \$/MWh - Winter - On-Peak Hours	\$ 43.062			\$ 26.951	

**Jersey Central Power & Light
Attachment 2**

Table #13 Summary of BGS Unit Costs @ customer

NON-DEMAND RATES

includes energy, Generation and Transmission obligations, and Ancillary Services - adjusted to billing time periods in \$/MWh

		RT{1}		RS{2}		GS{3}		GST {4}		OL/SL
Summer - all hrs		\$ 79.67	\$	81.67	\$	80.33				\$ 53.30
	JCP&L On pk	\$ 110.27					\$	100.36		
	JCP&L Off pk	\$ 58.35					\$	58.42		
	Block 1 (0-600 kWh/m)		\$	77.62						
	Block 2 (>600 kWh/m)		\$	86.27						
Winter - all hrs		\$ 75.87	\$	84.67	\$	76.73				\$ 50.51
	JCP&L On pk	\$ 107.14					\$	90.95		
	JCP&L Off pk	\$ 58.76					\$	57.16		
Annual -all hrs		\$ 77.16	\$	83.40	\$	78.03	\$	73.78	\$	51.44

DEMAND RATES

includes energy and Ancillary Services, G&T obligations charged separately - adjusted to billing time periods in \$/MWh

JCP&L does not have a demand component in its BGS charges

**Jersey Central Power & Light
Attachment 2**

Table #14

**Units @ Customer
in kWh**

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	
Summer - all hrs	2,287,865		2,052,197,000		39,005,000	
JCP&L On pk	26,010,576			29,618,038		
JCP&L Off pk	37,333,559			34,667,962		
Block 1 (0-600 kWh/m)		2,081,517,000				
Block 2 (>600 kWh/m)		1,827,351,000				
Winter - all hrs	5,523,884	5,352,827,000	3,655,130,000		78,007,000	
JCP&L On pk	42,967,631			57,816,158		
JCP&L Off pk	78,563,485			75,055,842		
Summer Total	65,632,000	3,908,868,000	2,052,197,000	64,286,000	39,005,000	6,129,988,000
Winter Total	<u>127,055,000</u>	<u>5,352,827,000</u>	<u>3,655,130,000</u>	<u>132,872,000</u>	<u>78,007,000</u>	<u>9,345,891,000</u>
Annual Total	192,687,000	9,261,695,000	5,707,327,000	197,158,000	117,012,000	15,475,879,000

Table #15

Summary of Total Estimated BGS Costs by Season

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	Total
Total Costs by Rate - in \$1000						
Summer - all hrs	\$ 182		\$ 164,863		\$ 2,079	
JCP&L On pk	\$ 2,868			\$ 2,972		
JCP&L Off pk	\$ 2,178			\$ 2,025		
Block 1 (0-600 kWh/m)		\$ 161,569				
Block 2 (>600 kWh/m)		\$ 157,650				
Winter - all hrs	\$ 419	\$ 453,205	\$ 280,466		\$ 3,940	
JCP&L On pk	\$ 4,603			\$ 5,259		
JCP&L Off pk	\$ 4,617			\$ 4,290		
Total Costs - in \$1000						
Summer	\$ 5,229	\$ 319,219	\$ 164,863	\$ 4,998	\$ 2,079	\$ 496,387
Winter	\$ 9,639	\$ 453,205	\$ 280,466	\$ 9,549	\$ 3,940	\$ 756,799
Total	\$ 14,868	\$ 772,424	\$ 445,329	\$ 14,546	\$ 6,019	\$ 1,253,186
% of Annual Total \$						
Summer	35%	41%	37%	34%	35%	40%
Winter	65%	59%	63%	66%	65%	60%

**Jersey Central Power & Light
Attachment 2**

Table #15A Summary of Total Estimated BGS Costs by Season excluding Transmission

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	Total
Total Costs by Rate - in \$1000						
Summer - all hrs	\$ 163		\$ 148,006		\$ 2,079	
JCP&L On pk	\$ 2,655			\$ 2,729		
JCP&L Off pk	\$ 1,872			\$ 1,741		
Block 1 (0-600 kWh/m)		\$ 144,471				
Block 2 (>600 kWh/m)		\$ 142,640				
Winter - all hrs	\$ 374	\$ 409,237	\$ 250,443		\$ 3,940	
JCP&L On pk	\$ 4,250			\$ 4,784		
JCP&L Off pk	\$ 3,971			\$ 3,673		
Total Costs - in \$1000						
Summer	\$ 4,690	\$ 287,112	\$ 148,006	\$ 4,470	\$ 2,079	\$ 446,356
Winter	\$ 8,595	\$ 409,237	\$ 250,443	\$ 8,457	\$ 3,940	\$ 680,672
Total	\$ 13,285	\$ 696,349	\$ 398,449	\$ 12,927	\$ 6,019	\$ 1,127,028
% of Annual Total \$						
Summer	35%	41%	37%	35%	35%	40%
Winter	65%	59%	63%	65%	65%	60%

Table #16 Customer & Bulk System Costs

Customer Costs Per Allocation Matrix

Grand Total Cost in \$1000 = \$ 1,253,186

Seasonal Units	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	Total
Summer	73,377	4,370,111	2,294,355	71,872	43,608	6,853,323
Winter	142,047	5,984,456	4,086,433	148,551	87,212	10,448,699

Supplier Payment in \$1000

Post Transition Year 18 Bid price	Seasonal Factor	Price per MWH	Units	Payment
Seasonally Adjusted Summer Payment	1.0000	72.430	6,853,323	\$ 496,386
Seasonally Adjusted Winter Payment	1.0000	72.430	10,448,699	\$ 756,799
Total Supplier Payment				\$ 1,253,185

Table #17 Adjustment Factor Calculation

Allocated Customer Costs on a per MWh basis (on bulk system MWhs):	Seasonal Supplier Payment	Adjustment Factor Calculation	Adjustment Factor
Summer	\$ 72.43 per MWh @ bulk system	72.43	1.0000
Winter	\$ 72.43 per MWh @ bulk system	72.43	0.996713

Assumptions:

- Generation Capacity Cost = \$ 174.53 per MW day Summer
- \$ 174.53 per MW day Winter
- Transmission cost = Transmission charges retail tariff rates for the applicable rate schedules to be excluded
- Analysis time period = 4 summer months
- 8 winter months
- Ancillary Services = \$ 18.66 per MWh
- Energy Costs = Based on Forwards prices @ PJM West corrected for hub-zone basis differential (both based on the figures used to derive the Bid Factors and establish retail rates in Post Transition Year 18 and adjusted to match the total cost at the actual supplier bid price.
- Usage patterns = forecasted 2021 energy use by class based upon PJM on/off % from 2018 through 2020 class load profiles
- JCP&L billing on/off % from 2021 forecasted billing determinants
- Obligations = class totals for 2022 excluding accounts required to take service under BGS-CIEP as of June 1, 2022
- Losses = Consistent with Losses as approved by the BPU
- PJM Time Periods = PJM trading time periods - 7 AM to 11 PM weekdays, local time, excluding NERC holidays - New Year's, Memorial, 4th of July, Labor Day, Thanksgiving & Christmas
- JCP&L Billing time periods = RT On-peak hours are 8 am to 8 pm Eastern Standard Time, Monday through Friday.
- GST On-peak hours are 8 am to 8 pm prevailing time, Monday through Friday.
- The Holidays identified by PJM are not excluded from the RT or GST Billing On-Peak kWh.
- NJ Sales and Use Tax (SUT) = SUT excluded from all costs

**Jersey Central Power & Light
Attachment 2
2022 BGS Auction Cost and Bid Factor Tables**

2021/2022 BGS Supply Period Estimated Supplier Payments Allocated by Rate Class

**Development of Post Transition Period BGS Cost and Bid Factors
Adjusted to Billing Time Periods**

Table #1

% Usage During PJM On-Peak Period

*Based on an average of 2018 through 2020 Load Profile Information
On-Peak periods defined as the 16 hr PJM Trading period, adj for NERC holidays*

	Profile Meter Data		Profile Meter Data		Other Analysis
	RT{1}	RS{2}	GS{3}	GST	OL/SL
<i>(data rounded to nearest .01 %)</i>					
January	49.26%	51.71%	57.70%	55.37%	33.70%
February	47.00%	49.77%	56.66%	54.60%	30.82%
March	47.66%	50.31%	58.23%	53.75%	30.21%
April	50.07%	52.19%	59.84%	55.60%	31.45%
May	47.79%	49.49%	58.46%	55.47%	29.65%
June	52.17%	52.87%	57.71%	56.05%	29.33%
July	52.81%	52.68%	58.42%	56.00%	29.37%
August	53.61%	53.55%	58.67%	56.42%	30.19%
September	46.66%	47.66%	56.78%	54.03%	30.29%
October	49.91%	52.91%	60.49%	57.61%	34.64%
November	45.64%	48.42%	56.46%	53.26%	32.22%
December	46.16%	48.29%	55.37%	52.36%	32.63%

Table #2

% Usage During JCP&L On-Peak Billing Period

On-Peak periods as defined in specified rate schedule

	2021 Forecasted			2021 Forecasted	
	Calendar Month Sales RT{1}	N/A RS{2}	N/A GS{3}	Calendar Month Sales GST	N/A OL/SL
<i>(data rounded to nearest .01 %)</i>					
January	35.23%	----	----	41.96%	----
February	34.75%	----	----	42.80%	----
March	34.48%	----	----	42.74%	----
April	35.09%	----	----	43.52%	----
May	36.95%	----	----	44.42%	----
June	39.81%	----	----	46.05%	----
July	41.46%	----	----	45.92%	----
August	41.87%	----	----	46.00%	----
September	40.83%	----	----	46.35%	----
October	37.07%	----	----	45.92%	----
November	35.20%	----	----	44.43%	----
December	35.21%	----	----	42.44%	----

{1} For BGS purposes the RT rate class includes the RS and GS rate class Off-Peak (OPWH) and Controlled Water Heating (CTWH) provisions. The RT rate class also includes the summer billing month RGT rate class usage. OPWH and CTWH is billed on the average RT rates, while RT and Summer RGT use is billed at on-peak and off-peak rates.

{2} For BGS purposes the RS rate class excludes the Off-Peak and Controlled Water Heating provisions and includes the winter billing month RGT rate class usage

{3} For BGS purposes the GS rate class excludes the Off-Peak and Controlled Water Heating provisions

**Jersey Central Power & Light
Attachment 2**

Table #3 **Class Usage @ customer**
calendar month sales forecasted for 2022
in MWh

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	Total
January	20,815	815,621	466,450	15,399	9,750	1,328,035
February	20,172	762,547	480,508	17,331	9,750	1,290,308
March	18,190	697,680	456,122	15,534	9,750	1,197,276
April	15,457	605,462	452,797	17,351	9,750	1,100,817
May	12,799	566,501	427,400	17,480	9,751	1,033,931
June	14,236	738,012	458,370	13,058	9,751	1,233,427
July	17,304	1,052,540	522,528	17,229	9,751	1,619,352
August	17,988	1,131,632	562,706	18,647	9,751	1,740,724
September	16,104	986,684	508,593	15,352	9,752	1,536,485
October	11,117	649,345	453,589	15,205	9,752	1,139,008
November	12,068	575,446	441,609	16,461	9,752	1,055,336
December	16,437	680,225	476,655	18,111	9,752	1,201,180
Total	192,687	9,261,695	5,707,327	197,158	117,012	15,475,879

Table #4 **Forwards Prices - Energy Only @ bulk system**
in \$/MWh

	Initial On-Peak	Adjusted On-Peak	Initial Off-Peak	Adjusted Off-Peak
January	44.35	44.814	35.019	35.385
February	41.80	42.237	33.005	33.350
March	33.90	34.254	26.767	27.047
April	29.75	30.061	23.491	23.737
May	30.25	30.566	23.885	24.135
June	30.40	40.950	20.359	27.424
July	36.55	49.234	24.478	32.973
August	33.45	45.058	22.401	30.175
September	31.70	42.701	21.229	28.596
October	30.15	30.465	23.806	24.055
November	30.45	30.768	24.043	24.294
December	32.55	32.890	25.701	25.970

Table #5 **Zone-Hub Basis Differential**
Based on 3 Year Average

	On-Peak	Off-Peak
January	92%	97%
February	92%	97%
March	92%	97%
April	92%	97%
May	92%	97%
June	89%	89%
July	89%	89%
August	89%	89%
September	89%	89%
October	92%	97%
November	92%	97%
December	92%	97%

Table #6

Losses	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
Loss Factors =	10.5545%	10.5545%	10.5545%	10.5545%	10.5545%
Expansion Factor =	1.11800	1.11800	1.11800	1.11800	1.11800
Loss Factors from Transmission Nodes =	9.8423%	9.8423%	9.8423%	9.8423%	9.8423%
Expansion Factor to Transmission Nodes =	1.10917	1.10917	1.10917	1.10917	1.10917

{4} The GS and GST units exclude the units associated with the 500 kW and above PLS accounts that will be required to take service under BGS-CIEP

**Jersey Central Power & Light
Attachment 2**

Table #7 **Summary of Average BGS Energy Only Unit Costs @ customer - PJM Time Periods**
based on Forwards prices corrected for zone-hub differential and losses - PJM time periods
in \$/MWh

		RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
Summer - all hrs		\$ 37.338	\$ 37.484	\$ 38.232	\$ 38.035	\$ 33.999
	PJM on pk	\$ 44.537	\$ 44.639	\$ 44.421	\$ 44.574	\$ 44.256
	PJM off pk	\$ 29.730	\$ 29.825	\$ 29.711	\$ 29.825	\$ 29.646
Winter - all hrs		\$ 33.359	\$ 33.133	\$ 33.102	\$ 32.731	\$ 31.447
	PJM on pk	\$ 36.556	\$ 36.148	\$ 35.567	\$ 35.412	\$ 35.524
	PJM off pk	\$ 30.416	\$ 30.065	\$ 29.715	\$ 29.493	\$ 29.535
Annual		\$ 34.715	\$ 34.969	\$ 34.946	\$ 34.460	\$ 32.297
System Total	\$	34.93				

Table #8 **Summary of Average BGS Energy Only Costs @ customer - PJM Time Periods**
based on Forwards prices corrected for zone-hub differential and losses
in \$1000

		RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	Total
Summer - all hrs		\$ 2,451	\$ 146,519	\$ 78,459	\$ 2,445	\$ 1,326	\$ 231,200
	PJM on pk	\$ 1,502	\$ 90,211	\$ 52,804	\$ 1,595	\$ 514	\$ 146,626
	PJM off pk	\$ 949	\$ 56,309	\$ 25,655	\$ 850	\$ 812	\$ 84,574
Winter - all hrs		\$ 4,238	\$ 177,354	\$ 120,992	\$ 4,349	\$ 2,453	\$ 309,386
	PJM on pk	\$ 2,226	\$ 97,575	\$ 75,241	\$ 2,574	\$ 884	\$ 178,501
	PJM off pk	\$ 2,012	\$ 79,779	\$ 45,751	\$ 1,775	\$ 1,569	\$ 130,886
Annual		\$ 6,689	\$ 323,873	\$ 199,451	\$ 6,794	\$ 3,779	\$ 540,586
System Total	\$	540,586					

**Jersey Central Power & Light
Attachment 2**

Table #9 **Summary of Average BGS Energy Only Unit Costs @ customer - JCP&L Time Periods**
based on Forwards prices corrected for zone-hub differential and losses - JCP&L billing time periods
in \$/MWh

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
Summer - all hrs	\$ 37.338	\$ 37.484	\$ 38.232	\$ 38.035	\$ 33.999
JCP&L On pk	\$ 46.402			\$ 46.109	
JCP&L Off pk	\$ 31.023			\$ 31.136	
Winter - all hrs	\$ 33.359	\$ 33.133	\$ 33.102	\$ 32.731	\$ 31.447
JCP&L On pk	\$ 36.346			\$ 36.173	
JCP&L Off pk	\$ 31.726			\$ 30.080	
Annual Average	\$ 34.715	\$ 34.969	\$ 34.946	\$ 34.460	\$ 32.297
System Average	\$ 34.93				

Table #10 **Generation & Transmission Obligations and Costs and Other Adjustments**

obligations - annual average forecasted for 2022; costs are market estimates
in MW

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	BGS-RSCP TOTAL
Gen Obl - MW	45.6	3,057.8	1,398.7	36.7	0.1	4,539.0

Trans Obl - MW Not applicable for JCP&L - Transmission rates are based on Retail Tariff rates for the respective rate classes

of Months and Days used in this analysis

# of summer days =	122	# of summer months =	4
# of winter days =	243	# of winter months =	8
		total # months =	12

Transmission charges will be based on Retail Tariff rates for the applicable rate schedules

	Initial	Adjusted	
Generation Capacity cost Summer	\$ 164.89	166.614 \$/MW/day	Summer Total \$ 92,263,685
Winter	\$ 164.89	166.614 \$/MW/day	Winter Total \$ 183,771,111
			Annual Total \$ 276,034,796

Residential summer BGS + Transmission charge differential
per BPU and summer blocking percentages

	Charges	Rate	% usage
Block 1 (0-600 kWh/m)			53.25%
Block 2 (>600 kWh/m)			46.75%
Differential (Excl. SUT)	0.8652 ¢/kWh		

Table #11 **Ancillary Services**
Forecasted Ancillary Services Cost
Renewable Portfolio Standard Cost
forecasted overall annual average

	Initial	Adjusted
Forecasted Ancillary Services Cost	\$2.00	\$/MWh
Renewable Portfolio Standard Cost	\$15.39	\$/MWh
forecasted overall annual average	\$17.39	\$17.572 \$/MWh

Table #12 **Summary of Obligation Costs Expressed as \$/MWh @ customer**

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
Transmission Obl - all months	\$ -	\$ -	\$ -	\$ -	\$ -
Generation Obl \$/MWh - all months	\$ 14.396	\$ 20.078	\$ 14.904	\$ 11.333	\$ 0.056
Generation Obl \$/MWh - Summer - All Hours	\$ 14.127	\$ 15.901	\$ 13.855	\$ -	\$ 0.056
Generation Obl \$/MWh - Summer - On-Peak Hours	\$ 34.405			\$ 25.215	
Generation Obl \$/MWh - Winter - All Hours	\$ 14.535	\$ 23.128	\$ 15.494	\$ -	\$ 0.056
Generation Obl \$/MWh - Winter - On-Peak Hours	\$ 41.108			\$ 25.728	

**Jersey Central Power & Light
Attachment 2**

Table #13 Summary of BGS Unit Costs @ customer

NON-DEMAND RATES

includes energy, Generation and Transmission obligations, and Ancillary Services - adjusted to billing time periods in \$/MWh

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
Summer - all hrs	\$ 71.11	\$ 73.03	\$ 71.73		\$ 53.70
JCP&L On pk	\$ 100.45			\$ 90.97	
JCP&L Off pk	\$ 50.67			\$ 50.78	
Block 1 (0-600 kWh/m)		\$ 68.99			
Block 2 (>600 kWh/m)		\$ 77.64			
Winter - all hrs	\$ 67.54	\$ 75.91	\$ 68.24		\$ 51.15
JCP&L On pk	\$ 97.10			\$ 81.55	
JCP&L Off pk	\$ 51.37			\$ 49.73	
Annual -all hrs	\$ 68.76	\$ 74.69	\$ 69.50	\$ 65.44	\$ 52.00

DEMAND RATES

includes energy and Ancillary Services, G&T obligations charged separately - adjusted to billing time periods in \$/MWh

JCP&L does not have a demand component in its BGS charges

**Jersey Central Power & Light
Attachment 2**

Table #14

**Units @ Customer
in kWh**

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	
Summer - all hrs	2,287,865		2,052,197,000		39,005,000	
JCP&L On pk	26,010,576			29,618,038		
JCP&L Off pk	37,333,559			34,667,962		
Block 1 (0-600 kWh/m)		2,081,517,000				
Block 2 (>600 kWh/m)		1,827,351,000				
Winter - all hrs	5,523,884	5,352,827,000	3,655,130,000		78,007,000	
JCP&L On pk	42,967,631			57,816,158		
JCP&L Off pk	78,563,485			75,055,842		
Summer Total	65,632,000	3,908,868,000	2,052,197,000	64,286,000	39,005,000	6,129,988,000
Winter Total	<u>127,055,000</u>	<u>5,352,827,000</u>	<u>3,655,130,000</u>	<u>132872000</u>	<u>78007000</u>	<u>9,345,891,000</u>
Annual Total	192,687,000	9,261,695,000	5,707,327,000	197,158,000	117,012,000	15,475,879,000

Table #15

Summary of Total Estimated BGS Costs by Season

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	Total
Total Costs by Rate - in \$1000						
Summer - all hrs	\$ 163		\$ 147,207		\$ 2,095	
JCP&L On pk	\$ 2,613			\$ 2,694		
JCP&L Off pk	\$ 1,892			\$ 1,761		
Block 1 (0-600 kWh/m)		\$ 143,595				
Block 2 (>600 kWh/m)		\$ 141,871				
Winter - all hrs	\$ 373	\$ 406,314	\$ 249,430		\$ 3,990	
JCP&L On pk	\$ 4,172			\$ 4,715		
JCP&L Off pk	\$ 4,036			\$ 3,732		
Total Costs - in \$1000						
Summer	\$ 4,667	\$ 285,466	\$ 147,207	\$ 4,455	\$ 2,095	\$ 443,890
Winter	\$ 8,581	\$ 406,314	\$ 249,430	\$ 8,447	\$ 3,990	\$ 676,762
Total	\$ 13,248	\$ 691,780	\$ 396,638	\$ 12,902	\$ 6,084	\$ 1,120,652
% of Annual Total \$						
Summer	35%	41%	37%	35%	34%	40%
Winter	65%	59%	63%	65%	66%	60%

**Jersey Central Power & Light
Attachment 2**

Table #16 Customer & Bulk System Costs

Customer Costs Per Allocation Matrix

Grand Total Cost in \$1000 = \$ 1,120,652

Seasonal Units	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	Total
Summer	73,377	4,370,111	2,294,355	71,872	43,608	6,853,323
Winter	142,047	5,984,456	4,086,433	148,551	87,212	10,448,699

Supplier Payment in \$1000

	Seasonal	Price per MWH	Units	Payment
Post Transition Year 19 Bid price	<u>Factor</u>	64.770	<u>Units</u>	<u>Payment</u>
Seasonally Adjusted Summer Payment	1.0000	64.770	6,853,323	\$ 443,890
Seasonally Adjusted Winter Payment	1.0000	64.770	10,448,699	\$ <u>676,762</u>
Total Supplier Payment				\$ 1,120,652

Table #17 Adjustment Factor Calculation

Allocated Customer Costs on a per MWh basis (on bulk system MWhs):	Seasonal Supplier Payment	Adjustment Factor Calculation	Adjustment Factor
Summer \$ 64.77 per MWh @ bulk system	64.77	1.0000	1.347040
Winter \$ 64.77 per MWh @ bulk system	64.77	1.0000	1.010453

Assumptions:

- Generation Capacity Cost = \$ 166.61 per MW day Summer
- \$ 166.61 per MW day Winter
- Transmission cost = Zero, as Transmission product will be excluded from BGS product starting June 1, 2021.
- Analysis time period = 4 summer months
- 8 winter months
- Ancillary Services = \$ 17.57 per MWh
- Energy Costs = Based on Forwards prices @ PJM West corrected for hub-zone basis differential (both based on the figures used to derive the Bid Factors and establish retail rates in Post Transition Year 19 and adjusted to match the total cost at the actual supplier bid price.
- Usage patterns = forecasted 2021 energy use by class based upon PJM on/off % from 2018 through 2020 class load profiles
- JCP&L billing on/off % from 2021 forecasted billing determinants
- Obligations = class totals for 2022 excluding accounts required to take service under BGS-CIEP as of June 1, 2022
- Losses = Consistent with Losses as approved by the BPU
- PJM Time Periods = PJM trading time periods - 7 AM to 11 PM weekdays, local time, excluding NERC holidays - New Year's, Memorial, 4th of July, Labor Day, Thanksgiving & Christmas
- JCP&L Billing time periods = RT On-peak hours are 8 am to 8 pm Eastern Standard Time, Monday through Friday.
- GST On-peak hours are 8 am to 8 pm prevailing time, Monday through Friday.
- The Holidays identified by PJM are not excluded from the RT or GST Billing On-Peak kWh.
- NJ Sales and Use Tax (SUT) = SUT excluded from all costs

Jersey Central Power & Light
Attachment 2
2022 BGS Auction Cost and Bid Factor Tables
2022/2023 BGS Supply Period Estimated Supplier Payments Allocated by Rate Class

Development of Post Transition Period BGS Cost and Bid Factors
Adjusted to Billing Time Periods

Table #1 % Usage During PJM On-Peak Period

Based on an average of 2018 through 2020 Load Profile Information
On-Peak periods defined as the 16 hr PJM Trading period, adj for NERC holidays

	Profile Meter			Profile Meter		Other Analysis
	Data	Profile Meter Data	Profile Meter Data	Data	Profile Meter	
(data rounded to nearest .01 %)	RT{1}	RS{2}	GS{3}	GST	OL/SL	
January	49.26%	51.71%	57.70%	55.37%		33.70%
February	47.00%	49.77%	56.66%	54.60%		30.82%
March	47.66%	50.31%	58.23%	53.75%		30.21%
April	50.07%	52.19%	59.84%	55.60%		31.45%
May	47.79%	49.49%	58.46%	55.47%		29.65%
June	52.17%	52.87%	57.71%	56.05%		29.33%
July	52.81%	52.68%	58.42%	56.00%		29.37%
August	53.61%	53.55%	58.67%	56.42%		30.19%
September	46.66%	47.66%	56.78%	54.03%		30.29%
October	49.91%	52.91%	60.49%	57.61%		34.64%
November	45.64%	48.42%	56.46%	53.26%		32.22%
December	46.16%	48.29%	55.37%	52.36%		32.63%

Table #2 % Usage During JCP&L On-Peak Billing Period

On-Peak periods as defined in specified rate schedule

	2021 Forecasted			2021 Forecasted		N/A
	Calendar Month	N/A	N/A	Calendar Month	N/A	
(data rounded to nearest .01 %)	Sales	RS{2}	GS{3}	Sales	OL/SL	
	RT{1}			GST		
January	35.23%	----	----	41.96%		----
February	34.75%	----	----	42.80%		----
March	34.48%	----	----	42.74%		----
April	35.09%	----	----	43.52%		----
May	36.95%	----	----	44.42%		----
June	39.81%	----	----	46.05%		----
July	41.46%	----	----	45.92%		----
August	41.87%	----	----	46.00%		----
September	40.83%	----	----	46.35%		----
October	37.07%	----	----	45.92%		----
November	35.20%	----	----	44.43%		----
December	35.21%	----	----	42.44%		----

{1} For BGS purposes the RT rate class includes the RS and GS rate class Off-Peak (OPWH) and Controlled Water Heating (CTWH) provisions. The RT rate class also includes the summer billing month RGT rate class usage. OPWH and CTWH is billed on the average RT rates, while RT and Summer RGT use is billed at on-peak and off-peak rates.
 {2} For BGS purposes the RS rate class excludes the Off-Peak and Controlled Water Heating provisions and includes the winter billing month RGT rate class usage
 {3} For BGS purposes the GS rate class excludes the Off-Peak and Controlled Water Heating provisions

**Jersey Central Power & Light
Attachment 2**

Table #3 **Class Usage @ customer**
calendar month sales forecasted for 2022
in MWh

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	Total
January	20,815	815,621	466,450	15,399	9,750	1,328,035
February	20,172	762,547	480,508	17,331	9,750	1,290,308
March	18,190	697,680	456,122	15,534	9,750	1,197,276
April	15,457	605,462	452,797	17,351	9,750	1,100,817
May	12,799	566,501	427,400	17,480	9,751	1,033,931
June	14,236	738,012	458,370	13,058	9,751	1,233,427
July	17,304	1,052,540	522,528	17,229	9,751	1,619,352
August	17,988	1,131,632	562,706	18,647	9,751	1,740,724
September	16,104	986,684	508,593	15,352	9,752	1,536,485
October	11,117	649,345	453,589	15,205	9,752	1,139,008
November	12,068	575,446	441,609	16,461	9,752	1,055,336
December	16,437	680,225	476,655	18,111	9,752	1,201,180
Total	192,687	9,261,695	5,707,327	197,158	117,012	15,475,879

Table #4 **Forwards Prices - Energy Only @ bulk system**
in \$/MWh

	On-Peak	Off/On Pk LMP ratio	Off-Peak
January	67.20	0.7717	51.855
February	63.00	0.7717	48.614
March	45.20	0.7717	34.879
April	40.80	0.7717	31.484
May	40.90	0.7717	31.561
June	44.35	0.6684	29.642
July	50.80	0.6684	33.953
August	47.55	0.6684	31.781
September	45.45	0.6684	30.377
October	45.05	0.7717	34.763
November	46.60	0.7717	35.959
December	48.90	0.7717	37.734

Table #5 **Zone-Hub Basis Differential**
Based on 3 Year Average

	On-Peak	Off-Peak
January	88%	92%
February	88%	92%
March	88%	92%
April	88%	92%
May	88%	92%
June	88%	89%
July	88%	89%
August	88%	89%
September	88%	89%
October	88%	92%
November	88%	92%
December	88%	92%

Table #6

Losses	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
Loss Factors @ Bulk =	10.5545%	10.5545%	10.5545%	10.5545%	10.5545%
Expansion Factors @ Bulk =	1.11800	1.11800	1.11800	1.11800	1.11800
Loss Factors @ Transmission Node =	9.8296%	9.8296%	9.8296%	9.8296%	9.8296%
Expansion Factors @ Transmission Node =	1.10901	1.10901	1.10901	1.10901	1.10901

{4} The GS and GST units exclude the units associated with the 500 kW and above PLS accounts that will be required to take service under BGS-CIEP

**Jersey Central Power & Light
Attachment 2**

Table #7 **Summary of Average BGS Energy Only Unit Costs @ customer - PJM Time Periods**
*based on Forwards prices corrected for zone-hub differential and losses - PJM time periods
in \$/MWh*

		RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	
Summer - all hrs		\$ 39.214	\$ 39.338	\$ 40.163	\$ 39.924	\$ 35.772	
	PJM on pk	\$ 46.718	\$ 46.794	\$ 46.623	\$ 46.744	\$ 46.492	
	PJM off pk	\$ 31.284	\$ 31.357	\$ 31.271	\$ 31.361	\$ 31.222	
Winter - all hrs		\$ 45.528	\$ 45.305	\$ 45.274	\$ 44.678	\$ 42.654	
	PJM on pk	\$ 50.561	\$ 50.064	\$ 49.148	\$ 48.900	\$ 49.162	
	PJM off pk	\$ 40.895	\$ 40.463	\$ 39.952	\$ 39.580	\$ 39.603	
Annual		\$ 43.378	\$ 42.786	\$ 43.437	\$ 43.128	\$ 40.360	
System Total	\$		43.02				

Table #8 **Summary of Average BGS Energy Only Costs @ customer - PJM Time Periods**
*based on Forwards prices corrected for zone-hub differential and losses
in \$1000*

		RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	Total
Summer - all hrs		\$ 2,574	\$ 153,766	\$ 82,423	\$ 2,567	\$ 1,395	\$ 242,725
	PJM on pk	\$ 1,575	\$ 94,566	\$ 55,421	\$ 1,673	\$ 540	\$ 153,775
	PJM off pk	\$ 998	\$ 59,200	\$ 27,002	\$ 894	\$ 855	\$ 88,949
Winter - all hrs		\$ 5,785	\$ 242,508	\$ 165,483	\$ 5,937	\$ 3,327	\$ 423,039
	PJM on pk	\$ 3,079	\$ 135,139	\$ 103,970	\$ 3,555	\$ 1,224	\$ 246,967
	PJM off pk	\$ 2,705	\$ 107,369	\$ 61,513	\$ 2,382	\$ 2,103	\$ 176,073
Annual		\$ 8,358	\$ 396,274	\$ 247,907	\$ 8,503	\$ 4,723	\$ 665,764
System Total	\$		665,764				

**Jersey Central Power & Light
Attachment 2**

Table #9

Summary of Average BGS Energy Only Unit Costs @ customer - JCP&L Time Periods

*based on Forwards prices corrected for zone-hub differential and losses - JCP&L billing time periods
in \$/MWh*

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
Summer - all hrs	\$ 39,214	\$ 39,338	\$ 40,163	\$ 39,924	\$ 35,772
JCP&L On pk	\$ 48,662			\$ 48,345	
JCP&L Off pk	\$ 32,632			\$ 32,729	
Winter - all hrs	\$ 45,528	\$ 45,305	\$ 45,274	\$ 44,678	\$ 42,654
JCP&L On pk	\$ 54,668			\$ 50,099	
JCP&L Off pk	\$ 40,529			\$ 40,503	
Annual Average	\$ 43,378	\$ 42,786	\$ 43,437	\$ 43,128	\$ 40,360
System Average	\$ 43.02				

Table #10

Generation & Transmission Obligations and Costs and Other Adjustments

*obligations - annual average forecasted for 2022; costs are market estimates
in MW*

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	BGS-RSCP TOTAL
Gen Obl - MW	45.6	3,057.8	1,398.7	36.7	0.1	4,539.0
Trans Obl - MW	Not applicable for JCP&L - Transmission rates are based on Retail Tariff rates for the respective rate classes					
# of Months and Days used in this analysis						
# of summer days =	122		# of summer months =	4		
# of winter days =	243		# of winter months =	8		
			total # months =	12		

Transmission charges will be based on Retail Tariff rates for the applicable rate schedules

Generation Capacity cost	Summer	\$ 97.75 \$/MW/day	Summer Total	\$ 54,129,756
	Winter	\$ 97.75 \$/MW/day	Winter Total	\$ 107,815,826
			Annual Total	\$ 161,945,582

Residential summer BGS + Transmission charge differential
per BPU and summer blocking percentages

	Charges	Rate	% usage
Block 1 (0-600 kWh/m)			53.25%
Block 2 (>600 kWh/m)			46.75%
Differential (Excl. SUT)	0.8652 ¢/kWh		

Table #11

Ancillary Services

Forecasted Ancillary Services Cost	\$2.00 \$/MWh
Renewable Portfolio Standard Cost	\$16.09 \$/MWh
Total Forecasted Ancillary Services & Renewable Power Costs	\$18.09 \$/MWh

Table #12

Summary of Obligation Costs Expressed as \$/MWh @ customer

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
Transmission Obl - all months	\$ -	\$ -	\$ -	\$ -	\$ -
Generation Obl \$/MWh - all months	\$ 8.446	\$ 11.779	\$ 8.744	\$ 6.649	\$ 0.033
Generation Obl \$/MWh - Summer - All Hours	\$ 8.288	\$ 9.329	\$ 8.128	\$ -	\$ 0.033
Generation Obl \$/MWh - Summer - On-Peak Hours	\$ 20.185			\$ 14.793	
Generation Obl \$/MWh - Winter - All Hours	\$ 8.527	\$ 13.569	\$ 9.090	\$ -	\$ 0.033
Generation Obl \$/MWh - Winter - On-Peak Hours	\$ 24.117			\$ 15.094	

**Jersey Central Power & Light
Attachment 2**

Table #13 Summary of BGS Unit Costs @ customer

NON-DEMAND RATES

*includes Energy, Generation Obligations, and Ancillary Services - adjusted to billing time periods
in \$/MWh*

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
Summer - all hrs	\$ 67.73	\$ 68.89	\$ 68.52		\$ 56.03
JCP&L On pk	\$ 89.07			\$ 83.36	
JCP&L Off pk	\$ 52.86			\$ 52.95	
Block 1 (0-600 kWh/m)		\$ 64.85			
Block 2 (>600 kWh/m)		\$ 73.50			
Winter - all hrs	\$ 74.28	\$ 79.10	\$ 74.59		\$ 62.91
JCP&L On pk	\$ 99.01			\$ 85.42	
JCP&L Off pk	\$ 60.75			\$ 60.73	
Annual -all hrs	\$ 72.05	\$ 74.79	\$ 72.41	\$ 70.00	\$ 60.62

DEMAND RATES

includes Energy and Ancillary Services, Generation Obligations charged separately - adjusted to billing time periods

JCP&L does not have a demand component in its BGS charges

**Jersey Central Power & Light
Attachment 2**

Table #14

Units @ Customer
in kWh

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	
Summer - all hrs	2,287,865		2,052,197,000		39,005,000	
JCP&L On pk	26,010,576			29,618,038		
JCP&L Off pk	37,333,559			34,667,962		
Block 1 (0-600 kWh/m)		2,081,517,000				
Block 2 (>600 kWh/m)		1,827,351,000				
Winter - all hrs	5,523,884	5,352,827,000	3,655,130,000		78,007,000	
JCP&L On pk	42,967,631			57,816,158		
JCP&L Off pk	78,563,485			75,055,842		
Summer Total	65,632,000	3,908,868,000	2,052,197,000	64,286,000	39,005,000	6,129,988,000
Winter Total	<u>127,055,000</u>	<u>5,352,827,000</u>	<u>3,655,130,000</u>	<u>132,872,000</u>	<u>78,007,000</u>	<u>9,345,891,000</u>
Annual Total	192,687,000	9,261,695,000	5,707,327,000	197,158,000	117,012,000	15,475,879,000

Table #15

Summary of Total Estimated BGS Costs by Season

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	Total
Total Costs by Rate - in \$1000						
Summer - all hrs	\$ 155		\$ 140,609		\$ 2,185	
JCP&L On pk	\$ 2,317			\$ 2,469		
JCP&L Off pk	\$ 1,973			\$ 1,836		
Block 1 (0-600 kWh/m)		\$ 134,979				
Block 2 (>600 kWh/m)		\$ 134,308				
Winter - all hrs	\$ 410	\$ 423,399	\$ 272,632		\$ 4,908	
JCP&L On pk	\$ 4,254			\$ 4,939		
JCP&L Off pk	\$ 4,773			\$ 4,558		
Total Costs - in \$1000						
Summer	\$ 4,445	\$ 269,287	\$ 140,609	\$ 4,305	\$ 2,185	\$ 420,831
Winter	\$ 9,438	\$ 423,399	\$ 272,632	\$ 9,496	\$ 4,908	\$ 719,872
Total	\$ 13,883	\$ 692,686	\$ 413,241	\$ 13,801	\$ 7,093	\$ 1,140,703
% of Annual Total \$						
Summer	32%	39%	34%	31%	31%	37%
Winter	68%	61%	66%	69%	69%	63%

**Jersey Central Power & Light
Attachment 2**

Table #16 & Table #17

Not Applicable to 2022/2023 BGS Supply Period

Table #18 Bulk System Costs

ALL RATES

Grand Total Cost in \$1000 = \$ 1,140.703
All-In Average costs @ bulk system = \$ 65.93 per MWh at bulk system (per bulk system metered MWh)

Table #19 Seasonal Payment Factors

If total \$ were split on a per MWh basis (on bulk nodes MWhs):

Summer \$ 61.41 per MWh @ bulk system
Winter \$ 68.90 per MWh @ bulk system

Ratio to All-In Cost (rounded to 4 decimal places)

Summer 0.9314
Winter 1.0450

Ratio to All-In Cost (If Winter is greater than Summer)

Summer 1.0000
Winter 1.0000

Assumptions:

Generation Capacity Cost = \$ 97.75 per MW day Summer
\$ 97.75 per MW day Winter
Transmission cost = Zero, as Transmission product will be excluded from BGS product starting June 1, 2021.
Analysis time period = 4 summer months
8 winter months
Ancillary Services and Renewable Power Cost = \$ 18.09 per MWh
Energy Costs = based on 6/22 to 5/23 Forwards @ PJM West corrected for hub-zone basis differential
Usage patterns = forecasted 2021 energy use by class based upon PJM on/off % from 2018 through 2020 class load profiles
JCP&L billing on/off % from 2021 forecasted billing determinants
Obligations = class totals for 2022 excluding accounts required to take service under BGS-CIEP as of June 1, 2022
Loss = Consistent with Losses as approved by the BPU
PJM Marginal Losses = PJM's calculated mean value of hourly marginal loss factor
PJM Time Periods = PJM trading time periods - 7 AM to 11 PM weekdays, local time, excluding NERC holidays - New Year's, Memorial, 4th of July, Labor Day, Thanksgiving & Christmas
JCP&L Billing time periods = RT On-peak hours are 8 am to 8 pm Eastern Standard Time, Monday through Friday.
GST On-peak hours are 8 am to 8 pm prevailing time, Monday through Friday.
The Holidays identified by PJM are not excluded from the RT or GST Billing On-Peak kWh.
NJ Sales and Use Tax (SUT) = SUT excluded from all costs

**Jersey Central Power & Light
Attachment 2
2022 BGS Auction Cost and Bid Factor Tables**

BGS-RSCP Composite Cost Allocation

Table #C1	Post Transition Year 18 Costs w/o Transmission	Size of Tranches = 15				
	in \$1,000's					
	Total Costs by Rate - in \$1000	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
	Summer - all hrs	\$ 163		\$ 148,006		\$ 2,079
	JCP&L On pk	\$ 2,655			\$ 2,729	
	JCP&L Off pk	\$ 1,872			\$ 1,741	
	Block 1 (0-600 kWh/m)		\$ 144,471			
	Block 2 (>600 kWh/m)		\$ 142,640			
	Winter - all hrs	\$ 374	\$ 409,237	\$ 250,443		\$ 3,940
	JCP&L On pk	\$ 4,250			\$ 4,784	
	JCP&L Off pk	\$ 3,971			\$ 3,673	
	Total Costs - in \$1000					
	Summer	\$ 4,690	\$ 287,112	\$ 148,006	\$ 4,470	\$ 2,079
	Winter	\$ 8,595	\$ 409,237	\$ 250,443	\$ 8,457	\$ 3,940
	Total	\$ 13,285	\$ 696,349	\$ 398,449	\$ 12,927	\$ 6,019
						\$ 446,356
						\$ 680,672
						\$ 1,127,028
Table #C2	Post Transition Year 19 Costs w/o Transmission	Size of Tranches = 20				
	in \$1,000's					
	Total Costs by Rate - in \$1000	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
	Summer - all hrs	\$ 163		\$ 147,207		\$ 2,095
	JCP&L On pk	\$ 2,613			\$ 2,694	
	JCP&L Off pk	\$ 1,892			\$ 1,761	
	Block 1 (0-600 kWh/m)		\$ 143,595			
	Block 2 (>600 kWh/m)		\$ 141,871			
	Winter - all hrs	\$ 373	\$ 406,314	\$ 249,430		\$ 3,990
	JCP&L On pk	\$ 4,172			\$ 4,715	
	JCP&L Off pk	\$ 4,036			\$ 3,732	
	Total Costs - in \$1000					
	Summer	\$ 4,667	\$ 285,466	\$ 147,207	\$ 4,455	\$ 2,095
	Winter	\$ 8,581	\$ 406,314	\$ 249,430	\$ 8,447	\$ 3,990
	Total	\$ 13,248	\$ 691,780	\$ 396,638	\$ 12,902	\$ 6,084
						\$ 443,890
						\$ 676,762
						\$ 1,120,652

{1} For BGS purposes the RT rate class includes the RS and GS rate class Off-Peak (OPWH) and Controlled Water Heating (CTWH) provisions. The RT rate class also includes the summer billing month RGT rate class usage. OPWH and CTWH is billed on the average RT rates, while RT and Summer RGT use is billed at on-peak and off-peak rates.

{2} For BGS purposes the RS rate class excludes the Off-Peak and Controlled Water Heating provisions and includes the winter billing month RGT rate class usage

{3} For BGS purposes the GS rate class excludes the Off-Peak and Controlled Water Heating provisions

{4} The GS and GST units exclude the units associated with the 500 kW and above PLS accounts that will be required to take service under BGS-CIEP

**Jersey Central Power & Light
Attachment 2**

Table #C3 **Post Transition Year 20 Costs w/o Transmission** **Size of Tranches =** **18**
in \$1,000's

Total Costs by Rate - in \$1000	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL		
Summer - all hrs	\$ 155		\$ 140,609		\$ 2,185		
JCP&L On pk	\$ 2,317			\$ 2,469			
JCP&L Off pk	\$ 1,973			\$ 1,836			
Block 1 (0-600 kWh/m)		\$ 134,979					
Block 2 (>600 kWh/m)		\$ 134,308					
Winter - all hrs	\$ 410	\$ 423,399	\$ 272,632		\$ 4,908		
JCP&L On pk	\$ 4,254			\$ 4,939			
JCP&L Off pk	\$ 4,773			\$ 4,558			
Total Costs - in \$1000							
Summer	\$ 4,445	\$ 269,287	\$ 140,609	\$ 4,305	\$ 2,185	\$	420,831
Winter	\$ 9,438	\$ 423,399	\$ 272,632	\$ 9,496	\$ 4,908	\$	719,872
Total	\$ 13,883	\$ 692,686	\$ 413,241	\$ 13,801	\$ 7,093	\$	1,140,703

Table #C4 **Composite (Tranche Weighted) Costs w/o Transmission**
in \$1,000's

Total Costs by Rate - in \$1000	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL		
Summer - all hrs	\$ 160		\$ 145,192		\$ 2,121		
JCP&L On pk	\$ 2,524			\$ 2,628			
JCP&L Off pk	\$ 1,914			\$ 1,780			
Block 1 (0-600 kWh/m)		\$ 140,917					
Block 2 (>600 kWh/m)		\$ 139,520					
Winter - all hrs	\$ 386	\$ 412,944	\$ 257,597		\$ 4,287		
JCP&L On pk	\$ 4,222			\$ 4,810			
JCP&L Off pk	\$ 4,268			\$ 3,996			
Total Costs - in \$1000							
Summer	\$ 4,598	\$ 280,437	\$ 145,192	\$ 4,408	\$ 2,121	\$	436,757
Winter	\$ 8,876	\$ 412,944	\$ 257,597	\$ 8,806	\$ 4,287	\$	692,510
Total	\$ 13,474	\$ 693,381	\$ 402,789	\$ 13,214	\$ 6,408	\$	1,129,267

**Jersey Central Power & Light
Attachment 2**

Table #C5

Units @ Customer
Forecasted 2022 kWh

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL	
Summer - all hrs	2,287,865		2,052,197,000		39,005,000	
JCP&L On pk	26,010,576			29,618,038		
JCP&L Off pk	37,333,559			34,667,962		
Block 1 (0-600 kWh/m)		2,081,517,000				
Block 2 (>600 kWh/m)		1,827,351,000				
Winter - all hrs	5,523,884	5,352,827,000	3,655,130,000		78,007,000	
JCP&L On pk	42,967,631			57,816,158		
JCP&L Off pk	78,563,485			75,055,842		
Summer Total	65,632,000	3,908,868,000	2,052,197,000	64,286,000	39,005,000	6,129,988,000
Winter Total	127,055,000	5,352,827,000	3,655,130,000	132,872,000	78,007,000	9,345,891,000
Annual Total	192,687,000	9,261,695,000	5,707,327,000	197,158,000	117,012,000	15,475,879,000

Table #C6

Summary of BGS Unit Costs @ customer

NON-DEMAND RATES

includes Energy, Generation obligations, and Ancillary Services - adjusted to billing time periods in \$/MWh

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
Summer - all hrs	\$ 70.06		\$ 70.23		\$ 54.38
JCP&L On pk	\$ 96.30			\$ 88.72	
JCP&L Off pk	\$ 50.87			\$ 51.36	
Block 1 (0-600 kWh/m)		\$ 67.17			
Block 2 (>600 kWh/m)		\$ 75.76			
Winter - all hrs	\$ 69.86	\$ 76.55	\$ 69.96		\$ 54.96
JCP&L On pk	\$ 97.51			\$ 83.20	
JCP&L Off pk	\$ 53.91			\$ 53.24	
Annual -all hrs	\$ 69.39	\$ 74.28	\$ 70.06	\$ 67.02	\$ 54.77

DEMAND RATES

includes Energy and Ancillary Services, Generation Obligations charged separately - adjusted to billing time periods in \$/MWh

JCP&L does not have a demand component in its BGS charges

ALL RATES

Grand Total Cost in \$1000 = \$ 1,129,267

All-In Average costs @ bulk system = \$ 65.27 per MWh at bulk system (per bulk system metered MWh)

All-In Average costs @ transmission nodes = \$ 65.80 per MWh at transmission nodes (per transmission nodes metered MWh)

**Jersey Central Power & Light
Attachment 2**

Table #C7 Ratio of BGS Unit Costs @ customer to All-In Average Cost @ transmission nodes (rounded to 3 decimal places)

NON-DEMAND RATES

includes Energy, Generation Obligations, and Ancillary Services - adjusted to billing time periods

	RT{1}	RS{2}	GS{3}	GST {4}	OL/SL
Summer - all hrs	1.065	1.082	1.067		0.826
JCP&L On pk	1.464			1.348	
JCP&L Off pk	0.773			0.781	
Constant for Block 1 (0-600 kWh/m) usage (Excl. SUT)		(4.045)			
Constant for Block 2 (>600 kWh/m) usage (Excl. SUT)		4.607			
Winter - all hrs	1.062	1.163	1.063		0.835
JCP&L On pk	1.482			1.264	
JCP&L Off pk	0.819			0.809	
Annual - all hrs	1.055	1.129	1.065	1.019	0.832

DEMAND RATES

includes Energy and Ancillary Services, Generation Obligations charged separately - adjusted to billing time periods

JCP&L does not have a demand component in its BGS charges

Jersey Central Power & Light

Development of Capacity Proxy Price True-Up \$/MWh
and Calculation of Composite BGS-RSCP Price

Table A - 2022/2023 Delivery Year

	2022/2023 Delivery Year	Notes:
1 Zonal Capacity Price (\$/MW-day) - JCPL Zone	\$97.93	Final PJM RPM Zonal Net Price for 2022/2023 Delivery Year
2 Capacity Proxy Price (\$/MW-day)	\$152.06	BPU Order Docket No. ER19040428 dated Nov. 13, 2019 and Docket No. ER20030190 dated Nov. 18, 2020
3 Capacity Proxy Price True-Up - \$/MW-day	-\$54.13	Line 1 - Line2
4 Total BGS-RSCP Gen Obl - MW	4,539.0	Table #10 of the 2022 BGS Auction Cost and Bid Factor Tables
5 Days in BGS Delivery Year	365	
6 Capacity Proxy Price True-Up Annual Cost	-\$89,678,920	= line 3 * line 4 * line 5
7 Eligible Tranches	35	
8 Total Tranches	53	
9 % of tranches eligible for Payment	66.0%	= line 7 / line 8
10 Capacity Proxy Price True-Up Cost	-\$59,221,928	= line 6 * line 9
11 Total Applicable Customer Usage @ transmission nodes - in MWh	17,162,920	Table #14 * Table #6 from 2021 BGS Auction Cost and Bid Factor Tables
12 Eligible customer Usage @ transmission nodes - in MWh	11,334,004	= line 9 * line 11
13 Capacity Proxy Price True-Up - \$/MWh	-\$5.23	= line 10 / line 12 (rounded to 2 decimal places)

NJ Sales and Use Tax (SUT) excluded

Jersey Central Power and Light

Calculation of Composite BGS-RSCP Price
June 1, 2022 through May 31, 2023

	BGS Post Transition Year 18	BGS Post Transition Year 19	BGS Post Transition Year 20	Total BGS-RSCP Cost
	2020 Auction	2021 Auction	2022 Auction	
	1 Year Term Remaining	2 Year Term Remaining	3 Year Term	
Final Auction Price - in \$/MWh	\$72.43	\$64.77	\$77.50	
Capacity Proxy Price True-Up - in \$/MWh	(\$5.23)	(\$5.23)		
JCPL Transmission Cost - in \$/MWh	(\$7.43)			
	\$59.77	\$59.54	\$77.50	
<u>Total # of Tranches</u>				
Size of Tranches	15	20	18	
Total # of Tranches	53	53	53	
<u>Seasonal Factors</u>				
Summer	1.0000	1.0000	1.0000	
Winter	1.0000	1.0000	1.0000	
<u>Applicable Customer Usage @ transmission node</u>				
Summer MWh	6,798,224	6,798,224	6,798,224	6,798,224
Winter MWh	10,364,696	10,364,696	10,364,696	10,364,696
<u>All-in BGS-RSCP Cost</u>				
Summer	\$114,999,014	\$152,741,984	\$178,934,386	\$446,675,384
Winter	\$175,329,589	\$232,873,207	\$272,806,621	\$681,009,417
Total	\$290,328,602	\$385,615,191	\$451,741,008	\$1,127,684,801

Composite Bid Price

\$65.70 (Rounded to 2 decimals)

Jersey Central Power and Light

Derivation of BGS-RSCP Energy Charges per kWh
June 1, 2022 through May 31, 2023

Final Weighted Average BGS-RSCP Wholesale Price \$0.065700 {1}

Rate Class & Usage Type	Ratio of Retail BGS Price to Wholesale BGS Price		Resulting Retail BGS Price Prior to Usage Block Adjustment {1}		Usage Block Adjustment	Resulting Retail BGS Price After Usage Block Adjustment {1}		Proposed Tariff Transmission Rate {2}	Retail BGS Energy Charge per kWh Excluding SUT		Retail BGS Energy Charge per kWh Including 6.625% SUT	
	Summer	Winter	Summer	Winter	Summer	Summer	Winter		Summer	Winter	Summer	Winter
RS - All		1.163		\$0.076409			\$0.076409	\$0.000000		\$0.076409		\$0.081471
RS - 1 to 600	1.082		\$0.071087		-\$0.004045	\$0.067042		\$0.000000	\$0.067042		\$0.071484	
RS Over 600	1.082		\$0.071087		\$0.004607	\$0.075694		\$0.000000	\$0.075694		\$0.080709	
RT - On-peak	1.464	1.482	\$0.096185	\$0.097367		\$0.096185	\$0.097367	\$0.000000	\$0.096185	\$0.097367	\$0.102557	\$0.103818
RT - Off-peak	0.773	0.819	\$0.050786	\$0.053808		\$0.050786	\$0.053808	\$0.000000	\$0.050786	\$0.053808	\$0.054151	\$0.057373
CTWH & OPWH	1.065	1.062	\$0.069971	\$0.069773		\$0.069971	\$0.069773	\$0.000000	\$0.069971	\$0.069773	\$0.074607	\$0.074395
GS	1.067	1.063	\$0.070102	\$0.069839		\$0.070102	\$0.069839	\$0.000000	\$0.070102	\$0.069839	\$0.074746	\$0.074466
GST On-Peak	1.348	1.264	\$0.088564	\$0.083045		\$0.088564	\$0.083045	\$0.000000	\$0.088564	\$0.083045	\$0.094431	\$0.088547
GST Off-Peak	0.781	0.809	\$0.051312	\$0.053151		\$0.051312	\$0.053151	\$0.000000	\$0.051312	\$0.053151	\$0.054711	\$0.056672
OL/SL	0.826	0.835	\$0.054268	\$0.054860		\$0.054268	\$0.054860	\$0.000000	\$0.054268	\$0.054860	\$0.057863	\$0.058494

{1} Prices Exclude Sales and Use Tax (SUT) and BGS-RSCP Reconciliation Charges

{2} Transmission will be excluded from BGS Auction starting February 2021

Notes:

Rate class RS includes RGT winter usage

CTWH & OPWH includes separately metered controlled water heating and off-peak water heating use for RS and GS accounts

Rate class RT includes RGT summer usage

Rate Class OL/SL equals Rate classes OL, ISL, MVL, SVL and LED

2022/2023 Final Zonal Scaling Factors, UCAP Obligations, Zonal Capacity Prices, & Zonal CTR Credit Rates

Final Forecast Pool Requirement =		1.0906			
Zone	Final Zonal RPM Scaling Factor	Final Zonal UCAP Obligation, MW	Final Zonal Capacity Price (\$/MW-day)	Final Zonal CTR Credit Rate (\$/MW-UCAP Obligation-day)	Final Zonal Net Load Price (\$/MW-day)
AE	1.08230	2,868.3	\$98.19	\$0.27	\$97.93
AEP	1.10811	13,132.8	\$50.05	\$0.00	\$50.05
APS	1.09557	10,084.4	\$50.05	\$0.00	\$50.05
ATSI	1.09906	14,215.8	\$50.05	\$0.00	\$50.05
BGE	1.10651	7,457.7	\$125.12	\$16.90	\$108.22
COMED	1.08750	24,064.5	\$67.40	\$1.17	\$66.23
DAYTON	1.09500	3,761.8	\$50.05	\$0.00	\$50.05
DEOK	1.10685	5,090.6	\$72.58	\$12.84	\$59.75
DLCO	1.08891	3,158.9	\$50.05	\$0.00	\$50.05
DOM	1.12168	3,522.1	\$50.05	\$0.00	\$50.05
DPL	1.09587	4,493.8	\$98.19	\$0.27	\$97.93
EKPC	1.11879	2,791.2	\$50.05	\$0.00	\$50.05
JCPL	1.08789	6,762.8	\$98.19	\$0.27	\$97.93
METED	1.08156	3,408.9	\$96.61	\$0.00	\$96.61
OVEC	1.09674	83.7	\$50.05	\$0.00	\$50.05
PECO	1.09418	9,713.6	\$98.19	\$0.27	\$97.93
PENLC	1.07189	3,249.8	\$96.61	\$0.00	\$96.61
PEPCO	1.09560	6,870.5	\$96.15	\$0.00	\$96.15
PL	1.08962	8,413.4	\$96.61	\$0.00	\$96.61
PS	1.09781	11,098.7	\$98.19	\$0.27	\$97.93
RECO	1.08809	450.9	\$98.19	\$0.27	\$97.93
		144,694.3			