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March 18, 2024

In the Matter of the Provision of Basic Generation
Service for the Period Beginning June 1, 2024
BPU Docket No. ER23030124

VIA ELECTRONIC MAIL

Sherri L. Golden, Secretary
New Jersey Board of Public Utilities
44 South Clinton Avenue, 1st Floor
P.O. Box 350
Trenton, New Jersey 08625-0350

Dear Secretary Golden:

Enclosed for filing by Public Service Electric and Gas Company (“PSE&G”), please find an electronic copy of the Company’s compliance filing provided in accordance with the Board of Public Utilities (“Board”) Order dated February 8, 2024 in the above referenced docket.

At the Board’s meeting on February 8, 2024 the Board certified the final results of the BGS-RSCP and BGS-CIEP Auctions in their entirety, and approved the closing prices for each Electric Distribution Company (EDC). The EDCs were granted authorization to file the post-BGS Auction Tariff Sheets by March 18, 2024, one week after PJM posted the results of the Third Incremental RPM Auction (“3rd IA”) for the 2024/2025 delivery year.

Therefore, consistent with the EDCs’ initial request approved by the Board to file the post-BGS Auction Tariffs one week after the results were posted, enclosed we provide the following attachments:

- Attachment 1 - Pro Forma Tariff Sheets
- Attachment 2 - Spreadsheets for Development of BGS Costs and Bid Factors
- Attachment 3 - Spreadsheets for the Calculation of BGS Rates
- Attachment 4 - Spreadsheets for the Development of Capacity Proxy Price True-Up & Final Zonal Net Load Price
- Attachment 5 - Development of Average kWh DCFC Charge - \$/kWh

However, on March 12, 2024, the United States Court of Appeals for the Third Circuit vacated The Federal Energy Regulatory Commission's orders that allowed PJM to retroactively adjust the results of the Base Residual Auction ("BRA") for the 2024/2025 delivery year. It is not clear how or if this legal action will affect the results of the BRA or 3rd IA for the 2024/2025 delivery year for the applicable EDC zone, and in turn, how or if this will affect the value of the capacity proxy price true-up incorporated in the attached post-BGS Auction Tariffs. Any such changes may require subsequent action by the Company.

Absent subsequent action or filing pertaining to the matter described above, the attached pro-forma tariff sheets, with exceptions discussed below, are effective June 1, 2024. They have been revised for the final auction results for BGS-RSCP and BGS-CIEP. Please note that the Original Revised Sheet No. 73 was approved by the Board on October 29, 2018 in Docket Nos. ER18010029, GR18010030, AX18010001 and ER18030231 and remains in effect.

These pro-forma tariff sheets will be available on the Company's website within several days of this compliance filing.

Furthermore, as directed by the Board's Order in Docket No. EO20030254, dated March 19, 2020, the Company hereby submits this filing via electronic delivery only to the Board Secretary and will suspend submitting such filings as paper documents until the Board directs otherwise.

Thank you for your attention and consideration in this matter. If you have any questions regarding this compliance filing, please advise.

Very truly yours,

A handwritten signature in black ink that reads "Aaron I. Karp". The signature is written in a cursive, slightly slanted style.

Aaron I. Karp

Attachments

C Service List (Electronic)

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

XXX Revised Sheet No. 2

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

**Superseding
XXX Revised Sheet No. 2**

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Date of Issue:

Effective: June 1, 2024

Issued by SCOTT S. JENNINGS, SVP - Finance, Planning & Strategy – PSE&G
80 Park Plaza, Newark, New Jersey 07102

Filed pursuant to Order of Board of Public Utilities dated February 8, 2024
in Docket No. ER23030124

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

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

Original Sheet No. 73

COMMERCIAL AND INDUSTRIAL ENERGY PRICING (CIEP) STANDBY FEE

APPLICABLE TO:

All kilowatt-hour usage under Rate Schedules LPL-Secondary (500 kilowatts or greater), LPL-Primary, HTS-Subtransmission, HTS-Transmission, HTS-High Voltage and all kilowatt-hour usage for customers under Rate Schedules HS, GLP and LPL-Secondary (less than 500 kilowatts) who have elected hourly energy pricing service from either BGS-CIEP or a Third Party Supplier.

	Charge (per kilowatt-hour)
Commercial and Industrial Energy Pricing (CIEP) Standby Fee	\$ 0.000150
Charge including New Jersey Sales and Use Tax (SUT)	\$ 0.000160

The above charges shall recover costs associated with the administration, maintenance and availability of the Basic Generation Service default electric supply service for applicable rate schedules. These charges shall be combined with the Distribution Kilowatt-hour Charges for billing.

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

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

XXX Revised Sheet No. 75

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

**Superseding
XXX Revised Sheet No. 75**

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

APPLICABLE TO:

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

BGS ENERGY & CAPACITY CHARGES:

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

Rate Schedule	For usage in each of the months of <u>October through May</u>		For usage in each of the months of <u>June through September</u>	
	Energy & Capacity Charges	Charges <u>Including</u> SUT	Energy & Capacity Charges	Charges <u>Including</u> SUT
RS – first 600 kWh	\$ 0.087604	\$ 0.093408	\$ 0.084582	\$ 0.090186
RS – in excess of 600 kWh	0.087604	0.093408	0.093518	0.099714
RHS – first 600 kWh	0.085278	0.090928	0.079973	0.085271
RHS – in excess of 600 kWh	0.085278	0.090928	0.091921	0.098011
RLM On-Peak	0.103087	0.109917	0.110253	0.117557
RLM Off-Peak	0.076053	0.081092	0.069723	0.074342
WH	0.078780	0.083999	0.077338	0.082462
WHS	0.080785	0.086137	0.079453	0.084717
HS	0.087123	0.092895	0.086900	0.092657
BPL	0.077576	0.082715	0.071754	0.076508
BPL-POF	0.077576	0.082715	0.071754	0.076508
PSAL	0.077576	0.082715	0.071754	0.076508

The above Basic Generation Service Energy Charges reflect costs for Energy, Generation Capacity, and Ancillary Services (including PJM Interconnection, L.L.C. (PJM) Administrative Charges).

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

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PUBLIC SERVICE ELECTRIC AND GAS COMPANY

XXX Revised Sheet No. 76

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

**Superseding
XXX Revised Sheet No. 76**

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

(Continued)

BGS TRANSMISSION CHARGES:

Applicable to Rate Schedules RS, RHS, RLM, WH, WHS, HS, BPL, BPL-POF and PSAL

Charges per kilowatt-hour:

<u>Rate Schedule</u>	<u>For usage in all months</u>	
	<u>Transmission Charges</u>	<u>Charges Including SUT</u>
RS	\$0.057428	\$0.061233
RHS	0.037541	0.040028
RLM On-Peak	0.124829	0.133099
RLM Off-Peak	0.000000	0.000000
WH	0.000000	0.000000
WHS	0.000000	0.000000
HS	0.047976	0.051154
BPL	0.000000	0.000000
BPL-POF	0.000000	0.000000
PSAL	0.000000	0.000000

The above charges shall recover all costs related to the overall summer peak transmission load assigned to the Public Service Transmission Zone by the PJM Interconnection, L.L.C. (PJM) as adjusted by PJM assigned transmission capacity related factors and allocated to the above Rate Schedules. These charges will be changed from time to time on the effective date of such change to the PJM rate for charges for Network Integration Transmission Service, including the PJM Seams Elimination Cost Assignment Charges, the PJM Reliability Must Run Charge and PJM Transmission Enhancement Charges as approved by Federal Energy Regulatory Commission (FERC).

BGS ENERGY CHARGES:

Applicable to Rate Schedules GLP and LPL-Sec.

Charges per kilowatt-hour:

<u>Rate Schedule</u>	<u>For usage in each of the months of October through May</u>		<u>For usage in each of the months of June through September</u>	
	<u>Charges</u>	<u>Charges Including SUT</u>	<u>Charges</u>	<u>Charges Including SUT</u>
GLP	\$ 0.080124	\$ 0.085432	\$ 0.080282	\$ 0.085601
GLP Night Use	0.075812	0.080835	0.069554	0.074162
LPL-Sec. under 500 kW				
On-Peak	0.083608	0.089147	0.089479	0.095407
Off-Peak	0.075812	0.080835	0.069554	0.074162

The above Basic Generation Service Energy Charges reflect costs for Energy and Ancillary Services (including PJM Administrative Charges).

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

Date of Issue:

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PUBLIC SERVICE ELECTRIC AND GAS COMPANY

XXX Revised Sheet No. 79

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

Superseding

XXX Revised Sheet No. 79

BASIC GENERATION SERVICE – RESIDENTIAL SMALL COMMERCIAL PRICING (BGS-RSCP)

ELECTRIC SUPPLY CHARGES

(Continued)

BGS CAPACITY CHARGES:

Applicable to Rate Schedules GLP and LPL-Sec.

Charges per kilowatt of Generation Obligation:

Charge applicable in the months of June through September.....	\$ 1.5312
Charge including New Jersey Sales and Use Tax (SUT).....	\$ 1.6326
Charge applicable in the months of October through May.....	\$ 1.5312
Charge including New Jersey Sales and Use Tax (SUT).....	\$ 1.6326

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

BGS TRANSMISSION CHARGES

Applicable to Rate Schedules GLP and LPL-Sec.

Charges per kilowatt of Transmission Obligation:

Currently effective Annual Transmission Rate for Network Integration Transmission Service for the Public Service Transmission Zone as derived from the FERC Electric Tariff of the PJM Interconnection, LLC	\$ 142,957.59 per MW per year
EL05-121	\$ 77.54 per MW per month
FERC 680 & 715 Reallocation.....	\$ 0.00 per MW per month
PJM Seams Elimination Cost Assignment Charges.....	\$ 0.00 per MW per month
PJM Reliability Must Run Charge.....	\$ 0.00 per MW per month
PJM Transmission Enhancements	
Trans-Allegheny Interstate Line Company	\$ 52.61 per MW per month
Virginia Electric and Power Company	\$ 63.65 per MW per month
Potomac-Appalachian Transmission Highline L.L.C.	\$ 0.49 per MW per month
PPL Electric Utilities Corporation	\$ 181.69 per MW per month
American Electric Power Service Corporation	\$ 17.58 per MW per month
Atlantic City Electric Company	\$ 8.46 per MW per month
Delmarva Power and Light Company.....	\$ 1.28 per MW per month
Potomac Electric Power Company.....	\$ 2.70 per MW per month
Baltimore Gas and Electric Company	\$ 3.89 per MW per month
Jersey Central Power and Light	\$ 60.23 per MW per month
Mid Atlantic Interstate Transmission	\$ 18.06 per MW per month
PECO Energy Company	\$ 23.93 per MW per month
Silver Run Electric, Inc.	\$ 44.16 per MW per month
Northern Indiana Public Service Company	\$ 0.73 per MW per month
Commonwealth Edison Company	\$ 0.13 per MW per month
South First Energy Operating Company	\$ 0.66 per MW per month
Duquesne Light Company.....	\$ 0.33 per MW per month

Above rates converted to a charge per kW of Transmission

Obligation, applicable in all months.....	\$ 12.4713
Charge including New Jersey Sales and Use Tax (SUT).....	\$ 13.2975

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

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PUBLIC SERVICE ELECTRIC AND GAS COMPANY

XXX Revised Sheet No. 80

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

**Superseding
Original Sheet No. 80**

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

**DCFC RSCP RATE PROGRAM – CAPACITY AND TRANSMISSION CHARGE
Applicable to Rate Schedules GLP and LPL-Sec.
Charges per kilowatt-hour:**

<u>Charge</u>	<u>Charge Including SUT</u>
\$0.067822	\$0.072315

The above charge is for customers who operate DCFC Stations to serve electric vehicles only and who elect to be included in the DCFC BGS Rate Program. BGS energy charges still apply.

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

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PUBLIC SERVICE ELECTRIC AND GAS COMPANY

XXX Revised Sheet No. 82

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

**Superseding
XXX Revised Sheet No. 82**

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

APPLICABLE TO:

Default electric supply service for Rate Schedules LPL-Secondary (500 kilowatts or greater), LPL-Primary, HTS-Subtransmission, HTS-Transmission, HTS-High Voltage and to customers served under Rate Schedules HS, GLP and LPL-Secondary (less than 500 kilowatts) who have elected BGS-CIEP as their default supply service.

BGS ENERGY CHARGES:

Charges per kilowatt-hour:

BGS Energy Charges are hourly and include PJM Locational Marginal Prices, and PJM Ancillary Services. The total BGS Energy Charges are based on the sum of the following:

- The real time PJM Load Weighted Average Residual Metered Load Aggregate Locational Marginal Prices for the Public Service Transmission Zone, adjusted for losses (tariff losses, as defined in Standard Terms and Conditions Section 4.3, adjusted to remove the mean hourly PJM marginal losses of 0.86333%), and adjusted for SUT, plus
- Ancillary Services (including PJM Administrative Charges) at the rate of \$0.006000 per kilowatt-hour, adjusted for losses (tariff losses, as defined in Standard Terms and Conditions Section 4.3, adjusted to remove the mean hourly PJM marginal losses of 0.86333%), and adjusted for SUT, plus

BGS CAPACITY CHARGES:

Charges per kilowatt of Generation Obligation:

Charge applicable in the months of June through September	\$ 11.5118
Charge including New Jersey Sales and Use Tax (SUT)	\$ 12.2745
Charges applicable in the months of October through May	\$ 11.5118
Charges including New Jersey Sales and Use Tax (SUT)	\$ 12.2745

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

Date of Issue:

Effective: June 1, 2024

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PUBLIC SERVICE ELECTRIC AND GAS COMPANY

XXX Revised Sheet No. 83

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

**Superseding
XXX Revised Sheet No. 83**

BASIC GENERATION SERVICE – COMMERCIAL AND INDUSTRIAL ENERGY PRICING (CIEP)

ELECTRIC SUPPLY CHARGES

(Continued)

BGS TRANSMISSION CHARGES

Charges per kilowatt of Transmission Obligation:

Currently effective Annual Transmission Rate for
Network Integration Transmission Service for the
Public Service Transmission Zone as derived from the
FERC Electric Tariff of the PJM Interconnection, LLC \$ 142,957.59 per MW per year

EL05-121	\$ 77.54 per MW per month
FERC 680 & 715 Reallocation	\$ 0.00 per MW per month
PJM Seams Elimination Cost Assignment Charges	\$ 0.00 per MW per month
PJM Reliability Must Run Charge	\$ 0.00 per MW per month
PJM Transmission Enhancements	
Trans-Allegheny Interstate Line Company	\$ 52.61 per MW per month
Virginia Electric and Power Company	\$ 63.65 per MW per month
Potomac-Appalachian Transmission Highline L.L.C.	\$ 0.49 per MW per month
PPL Electric Utilities Corporation	\$ 181.69 per MW per month
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Northern Indiana Public Service Company	\$ 0.73 per MW per month
Commonwealth Edison Company	\$ 0.13 per MW per month
South First Energy Operating Company	\$ 0.66 per MW per month
Duquesne Light Company	\$ 0.33 per MW per month

Above rates converted to a charge per kW of Transmission Obligation, applicable in all months	\$ 12.4713
Charge including New Jersey Sales and Use Tax (SUT)	\$ 13.2975

DCFC CIEP RATE PROGRAM – CAPACITY AND TRANSMISSION CHARGE

Charges per kilowatt-hour:

	<u>Charge</u>
<u>Charge</u>	<u>Including SUT</u>
\$0.084903	\$0.090528

The above charge is for customers who operate DCFC Stations to serve electric vehicles only and who elect to be included in the DCFC BGS Rate Program. BGS energy charges still apply.

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

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

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Public Service Electric and Gas Company Specific Addendum
Attachment 2

Table #10 Generation & Transmission Obligations and Costs and Other Adjustments
Obligations - Peak Load shares eff 6/1/24, scaling factors eff 1/1/24, Transmission Loads eff 1/1/24; costs are market estimates in MW

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL	GLP	Adj for PLS > 500 kW LPL-S	
Gen Obl - MW	5,228.1	17.7	74.4	0.0	0.0	2.8	0.0	0.0	2,083.2	1,070.6	
Trans Obl - MW	4,466.5	15.2	61.8	0.0	0.0	2.4	0.0	0.0	1,764.7	897.9	
# of Months and Days used in this analysis		# of summer days = # of winter days =	122 243		# of summer months = # of winter months = total # months =	4 8 12					
Transmission Cost	year round =	\$0.00 per MW-yr									
Generation Capacity cost	summer = \$	Base Capacity 50.34	Capacity Proxy True Up \$ -	Total Capacity \$ 50.34	\$/MW/day						
	winter = \$	50.34	\$ -	\$ 50.34	\$/MW/day						
<u>% usage in Summer Blocks</u>	RS	RHS									
Block 1 (0-600 kWh/m)	64.6%	66.1%	(based on W/N actuals used in settlement and final rate design of 2018 Rate Case, rounded to .1%)								
Block 2 (>600 kWh/m)	35.4%	33.9%									
Required summer inversion =	0.8652	1.1569	¢/kWh (same as 2003/2004 BGS blocking inversion)								

Table #11 Ancillary Services & Renewable Power Cost

Ancillary Services	\$ 2.00
Renewable Power Cost	\$ 20.88
Total Ancillary Services & Renewable Power Costs	\$ 22.88 per MWh @ bulk system

Table #12 Summary of Obligation Costs Expressed as \$/MWh @ customer (for non-demand rates only)

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Transmission Obl - all months	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Generation Obl -								
per annual MWh	\$ 7.41	\$ 4.29	\$ 17.70	\$ -	\$ -	\$ 5.57	\$ -	\$ -
recovery per summer MWh	\$ 5.72	\$ 6.45	\$ 12.35	\$ -	\$ -	\$ 8.86	\$ -	\$ -
recovery per winter MWh	\$ 8.70	\$ 3.67	\$ 22.62	\$ -	\$ -	\$ 4.69	\$ -	\$ -
	For RLM, per on-peak kWh only							

Public Service Electric and Gas Company Specific Addendum
Attachment 2

Table #13 Summary of BGS Unit Costs @ customer

NON-DEMAND RATES

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

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Summer - all hrs	\$ 71.19	\$ 68.18		\$ 62.73	\$ 64.48	\$ 70.50	\$ 58.32	\$ 58.20
PSE&G On pk			\$ 89.50					
PSE&G Off pk			\$ 56.55					
Block 1 (0-600 kWh/m)	\$ 68.12	\$ 64.26						
Block 2 (>600 kWh/m)	\$ 76.78	\$ 75.83						
Winter - all hrs	\$ 74.96	\$ 73.01		\$ 67.42	\$ 69.16	\$ 74.60	\$ 66.48	\$ 66.37
PSE&G On pk			\$ 88.25					
PSE&G Off pk			\$ 65.11					
Annual -all hrs	\$ 73.33	\$ 71.93	\$ 73.75	\$ 66.12	\$ 67.41	\$ 73.73	\$ 64.25	\$ 64.13

DEMAND RATES

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

	GLP	LPL-S	PLUS:	GLP	LPL-S
Summer - all hrs	\$ 64.24	\$ 63.74			
PSE&G On pk		\$ 71.39	<u>Gen Cost</u>		
PSE&G Off pk		\$ 56.45	summer \$ 1.5354	\$ 1.5354	per kW of G obl /month
			winter \$ 1.5291	\$ 1.5291	per kW of G obl /month
			annual \$ 1.5312	\$ 1.5312	per kW of G obl /month
Winter - all hrs	\$ 67.53	\$ 67.41			
PSE&G On pk		\$ 70.20	<u>Trans cost</u>		
PSE&G Off pk		\$ 64.91	all months \$ -	\$ -	per kW of T obl /month
Annual - all hrs per MWh only	\$ 66.32	\$ 66.10			
<u>Including Generation Obligation \$</u>					
Summer - all hrs	\$ 69.82	\$ 67.36			
PSE&G On pk		\$ 78.81			
PSE&G Off pk		\$ 56.45			
Winter - all hrs	\$ 74.02	\$ 71.43			
PSE&G On pk		\$ 78.71			
PSE&G Off pk		\$ 64.91			
Annual - including Gen Obl \$	\$ 72.48	\$ 69.98			

Note: Obligation \$ included in On pk costs

ALL RATES

Grand Total Cost in \$1000 = \$ 1,800,622
 All-In Average cost @ customer = \$ 72.28 per MWh at customer (per customer metered MWh)
 All-In Average costs @ transmission nodes = \$ 68.66 per MWh at transmission nodes (per metered MWh at transmission node)

Public Service Electric and Gas Company Specific Addendum
Attachment 2

Table #14 Ratio of BGS Unit Costs @ customer to All-In Average Cost @ transmission nodes - rounded to 3 decimal places, unit obligation \$ rounded to 4 decimal places

NON-DEMAND RATES

includes energy, Generation obligations, Ancillary Services and Renewable Power Costs- adjusted to billing time periods

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Summer - all hrs				0.914	0.939	1.027	0.849	0.848
PSE&G On pk			1.303				Use weighted average	
PSE&G Off pk			0.824				for all streetlighting =	0.848
All usage Multiplier	1.037	0.993						
Constant (in \$/MWh) \$	(3.063)	(3.922)	for Block 1 (0-600 kWh/m) usage					
Constant (in \$/MWh) \$	5.589	7.647	for Block 2 (>600 kWh/m) usage					
Winter - all hrs	1.092	1.063		0.982	1.007	1.086	0.968	0.967
PSE&G On pk			1.285				Use weighted average	
PSE&G Off pk			0.948				for all streetlighting =	0.967
Annual - all hrs	1.068	1.048	1.074	0.963	0.982	1.074	0.936	0.934

DEMAND RATES

includes energy and Ancillary Services, G&T obligations charged separately - adjusted to billing time periods

	GLP Multiplier	GLP Constant (in \$/MWh)	LPL-S Multiplier	LPL-S Constant (in \$/MWh)	PLUS:
Summer - all hrs	1.017	(5.589)			<u>Gen Cost</u>
PSE&G On pk			1.148	(7.416)	summer \$ 1.5354 \$ 1.5354 per kW of G obl /month
PSE&G Off pk			0.822	-	winter \$ 1.5291 \$ 1.5291 per kW of G obl /month
					annual \$ 1.5312 \$ 1.5312 per kW of G obl /month
Winter - all hrs	1.078	(6.492)			<u>Trans cost</u>
PSE&G On pk			1.146	(8.505)	all months \$ - \$ - per kW of T obl /month
PSE&G Off pk			0.945	-	
Annual - including Gen Obl \$	1.056		1.019		

Assumptions:

Gen Cost = \$ 50.34 /MW day summer
 \$ 50.34 /MW day winter

Trans cost = \$ - per MW-yr
 Analysis time period = 4 summer months
 8 winter months

Ancillary Services & RPS = \$ 22.88 per MWh

Energy Costs = based on Forwards @ PJM West - corrected for congestion

Usage patterns = forecasted 2023 energy use by class, PJM and PSE&G on/off % from 2020, 2021 & 2022 class load profiles

Obligations = class totals in effect as of filing date

Losses = Delivery losses from tariff, PJM losses based on 3 year average %

PJM Time Periods = PJM trading time periods - 7 AM to 11 PM weekdays, local time, x NERC
 holidays - New Year's, Memorial, 4th of July, Labor Day, Thanksgiving & Christmas

PSE&G Billing time periods = as per specific rate schedule

NJ SUT (Sales & Use Tax) = SUT excluded from all rates

**Public Service Electric and Gas Company Specific Addendum
Attachment 2**

Table #15 Summary of Total BGS Costs by Season

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL	GLP	LPL-S
Total Costs by Rate - in \$1000										
Summer	\$ 399,636	\$ 1,150	\$ 5,608	\$ 10	\$ 0	\$ 137	\$ 1,951	\$ 4,493	\$ 159,423	\$ 122,140
Winter	\$ 550,843	\$ 4,307	\$ 7,079	\$ 27	\$ 0	\$ 544	\$ 5,908	\$ 13,539	\$ 290,928	\$ 232,899
Total	\$ 950,479	\$ 5,457	\$ 12,686	\$ 37	\$ 1	\$ 681	\$ 7,859	\$ 18,032	\$ 450,352	\$ 355,038
% of Annual Total \$ by Rate										
Summer	42%	21%	44%	26%	36%	20%	25%	25%	35%	34%
Winter	58%	79%	56%	74%	64%	80%	75%	75%	65%	66%
Total Costs - in \$1000										
Summer	\$ 694,547									
Winter	\$ 1,106,074									
Total	\$ 1,800,622									
% of Annual Total \$										
Summer	39%									
Winter	61%									

rounded to 4 decimal places

If total \$ were split on a per MWh basis (on transmission node MWhs):
 Summer \$ 66.53 per MWh @ trans nodes Ratio to All-In Cost >>> Summer 1.0000
 Winter \$ 70.07 per MWh @ trans nodes Winter 1.0000

Table #16 Spreadsheet Error Checking - Reconciliation of Customer Revenue and Supplier Payments, based on above data only

Assumed Winning Bid Price = \$ 68.66 (bid includes payments for all losses)
 Payment Ratio - Summer = 1.0000
 Payment Ratio - Winter = 1.0000

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL	GLP	LPL-S
Total Rate Revenue - in \$1000										
Summer	\$ 399,719	\$ 1,150	\$ 5,608	\$ 10	\$ 0	\$ 137	\$ 1,948	\$ 4,494	\$ 159,433	\$ 122,137
Winter	\$ 550,940	\$ 4,306	\$ 7,077	\$ 27	\$ 0	\$ 544	\$ 5,901	\$ 13,545	\$ 290,896	\$ 232,832
Total	\$ 950,658	\$ 5,455	\$ 12,685	\$ 37	\$ 1	\$ 681	\$ 7,849	\$ 18,039	\$ 450,329	\$ 354,969
Total Summer	\$ 694,635									
Total Winter	\$ 1,106,067									
Grand Total	\$ 1,800,702									
Total Supplier Payment - in \$1000										
Summer	\$ 405,799	\$ 1,219	\$ 5,610	\$ 11	\$ 0	\$ 140	\$ 2,418	\$ 5,580	\$ 165,003	\$ 131,056
Winter	\$ 531,148	\$ 4,264	\$ 6,825	\$ 29	\$ 0	\$ 527	\$ 6,424	\$ 14,746	\$ 284,122	\$ 235,698
Total	\$ 936,948	\$ 5,483	\$ 12,435	\$ 40	\$ 1	\$ 668	\$ 8,843	\$ 20,326	\$ 449,125	\$ 366,754
Total Summer	\$ 716,837									
Total Winter	\$ 1,083,784									
Grand Total	\$ 1,800,622									

Difference (in \$1000) = \$ 81
 Note: Minor differences in totals are due to rounding of Bid Factors and Payment Factors

**Table #17 Total Supplier Energy @ transmission nodes
in MWh**

Summer	10,440,263
Winter	<u>15,784,609</u>
Total	26,224,872

Public Service Electric and Gas Company Specific Addendum
Attachment 3

Calculation of June 2024 to May 2025 BGS-RSCP Rates

Final
NJ Sales & Use Tax (SUT) excluded

Table A Auction Results

line #	Specific BGS-FP Auction >>	remaining portion of 36 month bid - 2022 auction	remaining portion of 36 month bid - 2023 auction	2024 auction	Notes:
1	Winning Bid - in \$/MWh	\$ 76.30	\$ 93.11	\$ 80.88	Winning Bids
1A	Capacity Proxy Price True-Up - in \$/MWh	\$ (3.51)	\$ (0.96)	\$ -	Final Zonal Net Load Price
1B					
1C	Total - in \$/MWh	\$ 72.79	\$ 92.15	\$ 80.88	= line 1 + line 1A - line 1B
	<i>(includes all payments, including impact of PJM marginal losses)</i>				
2	# of Tranches for Bid	28	28	29	from then current Bid
3	Total # of Tranches	85	85	85	from then current Bid
	Payment Factors				
4	Summer	1.0000	1.0000	1.0000	
5	Winter	1.0000	1.0000	1.0000	
	Applicable Customer Usage @ transmission nodes - in MWh				
6	Summer MWh	10,440,263			from Table #17 of the current Bid Factor Spreadsheet
7	Winter MWh	15,784,609			
	Total Payment to Suppliers - in \$1000				
8	Summer	\$ 250,335	\$ 316,917	\$ 288,092	= ((1C * (2)/(3) * (4) * (6)) / 1000
9	Winter	\$ 378,481	\$ 479,146	\$ 435,566	= ((1C * (2)/(3) * (5) * (7)) / 1000
10	Total	\$ 628,817	\$ 796,064	\$ 723,658	Note: \$ reflect total payment
	Average Payment to Suppliers - in \$/MWh				
11	Summer	\$ 81.928			= sum(line 8) / (6) - rounded to 3 decimal places
12	Winter	\$ 81.928			= sum(line 9) / (7) - rounded to 3 decimal places
13	Total weighted average	\$ 81.928	<<< used in calculation of Customer Rates		= sum(line 10) / [(6) + (7)] rounded to 3 decimal places
	Reconciliation of amounts - in \$1000				
14	Weighted Average * Total MWh =	\$ 2,148,551			= (13) * [(6)+(7)] / 1000
15	Total Payment to Suppliers =	\$ 2,148,539			= sum (line 10)
16	Difference =	\$ 12			= line (14) - line (15)

Calculation of June 2024 to May 2025 BGS-RSCP Rates

Final
NJ Sales & Use Tax (SUT) excluded

Table B Ratio of BGS Unit Costs @ customer to All-In Average Cost @ transmission nodes

from Table #14 of the bid factor spreadsheet ---
rounded to 3 decimal places, unit obligation \$ rounded to 4 decimal places

NON-DEMAND RATES

includes energy, G&T obligations, and Ancillary Services - adjusted to billing time periods

		RS	RHS	RLM	WH	WHS	HS	PSAL	BPL	
Summer - all hrs					0.914	0.939	1.027	0.849	0.848	
	PSE&G On pk			1.303				Use weighted average		
	PSE&G Off pk			0.824				for all streetlighting =		0.848
	All usage Multiplier	1.037	0.993							
	Constant (in \$/MWh) \$	(3.063)	(3.922)	for Block 1 (0-600 kWh/m) usage						
	Constant (in \$/MWh) \$	5.589	7.647	for Block 2 (>600 kWh/m) usage						
Winter - all hrs		1.092	1.063		0.982	1.007	1.086	0.968	0.967	
	PSE&G On pk			1.285				Use weighted average		
	PSE&G Off pk			0.948				for all streetlighting =		0.967
Annual - all hrs		1.068	1.048	1.074	0.963	0.982	1.074	0.936	0.934	

DEMAND RATES

includes energy and Ancillary Services, G&T obligations charged separately - adjusted to billing time periods

		GLP Multiplier	GLP Constant (in \$/MWh)	LPL-S Multiplier	LPL-S Constant (in \$/MWh)	PLUS:	GLP	LPL-S	
Summer - all hrs		1.017	(5.589)						
	PSE&G On pk			1.148	(7.416)	<u>Gen Cost</u>			
	PSE&G Off pk			0.822	-	summer \$	1.5312	\$	1.5312 per kW of G obl /month
						winter \$	1.5312	\$	1.5312 per kW of G obl /month
Winter - all hrs		1.078	(6.492)			<u>Trans cost</u>			
	PSE&G On pk			1.146	(8.505)	all months \$	-	\$	- per kW of T obl /month
	PSE&G Off pk			0.945	-				
Annual - including T&G Obl \$		1.056		1.019					

Calculation of June 2024 to May 2025 BGS-RSCP Rates

Final
NJ Sales & Use Tax (SUT) excluded

Table C Preliminary Resulting BGS Rates (in cents per kWh) - equal to bid factors times weighted average bid price rounded to 4 decimal places

NON-DEMAND RATES -----

includes energy, G&T obligations, and Ancillary Services - adjusted to billing time periods

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Summer - all hrs				7.4882	7.6930	8.4140	6.9475	6.9475
			10.6752					
			6.7509					
for Block 1 (0-600 kWh/m) usage	8.1896	7.7433						
for Block 2 (>600 kWh/m) usage	9.0548	8.9002						
Winter - all hrs	8.9465	8.7089		8.0453	8.2501	8.8974	7.9224	7.9224
			10.5277					
			7.7668					

DEMAND RATES -----

includes energy and Ancillary Services, G&T obligations charged separately - adjusted to billing time periods

	GLP	LPL-S	PLUS:	GLP	LPL-S	
Summer - all hrs	7.7732		<u>Gen Cost</u>			
		8.6637	summer \$	1.5312	\$ 1.5312	per kW of G obl /month
		6.7345	winter \$	1.5312	\$ 1.5312	per kW of G obl /month
Winter - all hrs	8.1826		<u>Trans cost</u>			
		8.5384	all months \$	-	\$ -	per kW of T obl /month
		7.7422				

Public Service Electric and Gas Company Specific Addendum
Attachment 3

Calculation of June 2024 to May 2025 BGS-RSCP Rates

Final
NJ Sales & Use Tax (SUT) excluded

Table D Revenue Recovery Calculations - Reconciliation of seasonal Customer Revenue and Supplier Payments, based on actual anticipated revenues and payments

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Total Preliminary Rate Revenue - in \$1000								
Summer	\$ 476,954	\$ 1,372	\$ 6,691	\$ 12	\$ 0	\$ 163	\$ 2,324	\$ 5,363
Winter	\$ 657,394	\$ 5,138	\$ 8,444	\$ 32	\$ 0	\$ 649	\$ 7,041	\$ 16,162
Total	\$ 1,134,347	\$ 6,510	\$ 15,136	\$ 44	\$ 1	\$ 813	\$ 9,365	\$ 21,525
	GLP Energy \$	GLP Obligation \$		LPL-S Energy \$	LPL-S Obligation \$			
Summer	\$ 177,439	\$ 12,759		\$ 139,159	\$ 6,557			
Winter	\$ 321,627	\$ 25,518		\$ 264,728	\$ 13,114			
Total	\$ 499,066	\$ 38,278		\$ 403,886	\$ 19,672			
	Energy \$	Obligation \$	Total \$					
Total Summer	\$ 809,477	\$ 19,316	\$ 828,793					
Total Winter	\$ 1,281,215	\$ 38,633	\$ 1,319,848					
Grand Total	\$ 2,090,692	\$ 57,949	\$ 2,148,641					
Total Supplier Payment - in \$1000								
Summer	\$ 855,345							
Winter	\$ 1,293,194							
Total	\$ 2,148,539							
Differences - in \$1000								
Summer	\$ 26,552							
Winter	\$ (26,654)							
Total	\$ (102)							

kWh Rate	
Adjustment	rounded to 5 decimal places
Factors	
	1.03280
	0.97920

Note: These differences are due to rounding and seasonal differences in Bidder Payments (which are based on prior winning bids and Seasonal Payment Factors) and current Rates (based on current seasonal market differentials)

Calculation of June 2024 to May 2025 BGS-RSCP Rates

Final
NJ Sales & Use Tax (SUT) excluded

Table E Final Resulting BGS Rates from Auctions (in cents per kWh) - with preliminary kWh rates adjusted by the kWh Rate Adjustment Factor rounded to 4 decimal places

NON-DEMAND RATES -----

includes energy, G&T obligations, and Ancillary Services - adjusted to billing time periods & adjustment to energy price

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Summer - all hrs				7.7338	7.9453	8.6900	7.1754	7.1754
PSE&G On pk			11.0253					
PSE&G Off pk			6.9723					
for Block 1 (0-600 kWh/m) usage	8.4582	7.9973						
for Block 2 (>600 kWh/m) usage	9.3518	9.1921						
Winter - all hrs	8.7604	8.5278		7.8780	8.0785	8.7123	7.7576	7.7576
PSE&G On pk			10.3087					
PSE&G Off pk			7.6053					

DEMAND RATES -----

includes energy and Ancillary Services, G&T obligations charged separately - adjusted to billing time periods & adjustment to energy price

	GLP	LPL-S	PLUS:	GLP	LPL-S
Summer - all hrs	8.0282		<u>Gen Cost</u>		
PSE&G On pk		8.9479	summer	\$1.5312	\$1.5312
PSE&G Off pk		6.9554	winter	\$1.5312	\$1.5312
Winter - all hrs	8.0124		<u>Trans cost</u>		
PSE&G On pk		8.3608	all months	\$0.0000	\$0.0000
PSE&G Off pk		7.5812			

**Development of Capacity Proxy Price True-Up - \$/MWh
2024/2025 Delivery Year - Final**

	Capacity Proxy Price True-Up Development for Winning Suppliers from 2022 BGS-RSCP Auction 2024/25 Delivery Year	Capacity Proxy Price True-Up Development for Winning Suppliers from 2023 BGS-RSCP Auction 2024/25 Delivery Year	
1 Zonal Capacity Price (\$/MW-day)	\$58.23	\$58.23	<i>Notes:</i> Final Zonal Net Load Price per Board Orders dated 11/17/2021 and 11/09/2022
2 Capacity Proxy Price (\$/MW-day)	\$87.98	\$66.38	
3 Capacity Proxy Price True-Up - \$/MW-day	-\$29.75	-\$8.15	= line 1 - line 2
4 BGS-RSCP Gen Obl - MW	8,476.8	8,476.8	
5 Days in Year	365	365	
6 Capacity Proxy Price True-Up Annual Cost	-\$92,047,452	-\$25,216,361	= line 3 * line 4 * line 5
7 Eligible Tranches	28	28	from Table A
8 Total Tranches	85	85	from Table A
9 % of tranches eligible for payment	32.94%	32.94%	= line 7 / line 8
10 Capacity Proxy Price True-Up Cost	-\$30,321,514	-\$8,306,566	= line 6 * line 9
11 Total Applicable Customer Usage @ bulk system - in MWh	26,224,872	26,224,872	
12 Eligible Customer Usage @ bulk system - in MWh	8,638,781	8,638,781	= line 9 * line 11
13 Capacity Proxy Price True-Up - \$/MWh	-\$3.51	-\$0.96	= line 10/ line 12 - rounded to 2 decimal places

2024/2025 Final Zonal Scaling Factors, UCAP Obligations, Zonal Capacity Prices, & Zonal CTR Credit Rates

Final Forecast Pool Requirement =		1.117			
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	1.12662	2,907.0	\$59.30	\$1.070257	\$58.23
AEP	1.13716	13,914.3	\$29.40	\$0.000000	\$29.40
APS	1.13729	10,737.3	\$29.40	\$0.000000	\$29.40
ATSI	1.14867	14,819.4	\$29.40	\$0.000000	\$29.40
BGE	1.11423	7,716.5	\$76.84	\$15.310931	\$61.53
COMED	1.11425	23,299.1	\$29.40	\$0.000000	\$29.40
DAYTON	1.10497	3,875.6	\$29.40	\$0.000000	\$29.40
DEOK	1.11713	5,247.9	\$98.37	\$40.507883	\$57.86
DLCO	1.10702	3,239.7	\$29.40	\$0.000000	\$29.40
DOM	1.15624	4,469.5	\$29.40	\$0.000000	\$29.40
DPL	1.12136	4,584.4	\$69.79	\$0.370282	\$69.42
EKPC	1.11199	2,874.0	\$29.40	\$0.000000	\$29.40
JCPL	1.10029	7,042.3	\$59.30	\$1.070257	\$58.23
METED	1.11393	3,608.4	\$50.11	\$0.000000	\$50.11
OVEC	1.10744	74.2	\$29.40	\$0.000000	\$29.40
PECO	1.11751	10,023.5	\$59.30	\$1.070257	\$58.23
PENLC	1.11231	3,391.9	\$50.11	\$0.000000	\$50.11
PEPCO	1.10306	7,158.6	\$50.11	\$0.000000	\$50.11
PL	1.10536	8,685.1	\$50.11	\$0.000000	\$50.11
PS	1.11932	11,777.6	\$59.30	\$1.070257	\$58.23
RECO	1.10176	480.0	\$59.30	\$1.070257	\$58.23
		149,926.1			

DEVELOPMENT OF AVERAGE kWh DCFC CHARGE - \$/kWh
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
DCFC Capacity & Transmission Average Rate Estimate

3/18/2024

line #		Capacity		Transmission	Notes	
		RSCP	CIEP			
1	Rates \$/kW-mo ¹	1.5312	11.5118	13.7104	= PSEG Electric Tariff No. 16	
2	Load Factors ²	80%	80%	81%	= DCFC Cusomter Data	
3	\$/kWh	Avg Capacity Cost	0.002621	0.019702	0.023170	= 12 x (Line 1 / 8760 /Line 2)
4		Avg Trans Cost	0.023170	0.023170		
5		Cap & Trans Cost	0.025791	0.042872		= line 3 + line 4
6		Implementation	0.032031	0.032031		= see footnote 4
7		Contingency ³	0.010000	0.010000		
8		Subtotal w/out SUT	0.067822	0.084903		= line 5 + line 6 + line 7
9		Total w SUT	0.072315	0.090528		

¹Rates effective 03/01/24 and propose transmission rate

²Load factors based upon 2023 DCFC population actuals

³Added contingency to account for lower 1st year Cap and Trans obligations

⁴Implementation Cost Calculation

400 Cost \$k

6,244 2022 BGS usage - MWh

2 Years of pilot

0.032031 \$/kWh