

Rockland Electric Company 4 Irving Place New York NY 10003-0987 www.oru.com

March 25, 2022

Honorable Aida Camacho-Welch State of New Jersey Board of Public Utilities 44 South Clinton Avenue, 9th Floor, PO Box 350 Trenton, New Jersey 08625-0350

Re: In the Matter of the Provision of Basic

Generation Service (BGS) for the Period

Beginning June 1, 2022 BPU Docket No. ER21030631

Dear Secretary Camacho-Welch:

Rockland Electric Company (the "Company" or "RECO") hereby submits for filing with the Board of Public Utilities (the "Board") the following tariff leaves setting forth revisions to its Schedule for Electric Service B.P.U. No. 3 – ELECTRICITY.

17th Revised Leaf No. 50 16th Revised Leaf No. 52

These leaves are issued March 25, 2022 to become effective June 1, 2022. These leaves are issued in compliance with the Board's Order dated February 9, 2022, in the above-referenced docket.

The purpose of this filing is to implement the various rate changes, effective June 1, 2022, resulting from the February 2022 Basic Generation Service ("BGS") Auction approved by the Board in its Order referenced above and the results of the bi-lateral contract for the Company's Central and Western Divisions served through the New York Independent System Operator. The winning auction prices from the statewide BGS Auction are combined with the winning price resulting from the RECO Central and Western Division procurement to arrive at the rates customers will pay for BGS Service effective June 1, 2022. A description of these changes was set forth in the RECO Company Specific addendum filed on December 2, 2021 in the above referenced docket.

Please note that the Company is making this filing solely in electronic form pursuant to the Board's directive in its Emergency Order dated March 19, 2020 in BPU Docket No. EO20030254.

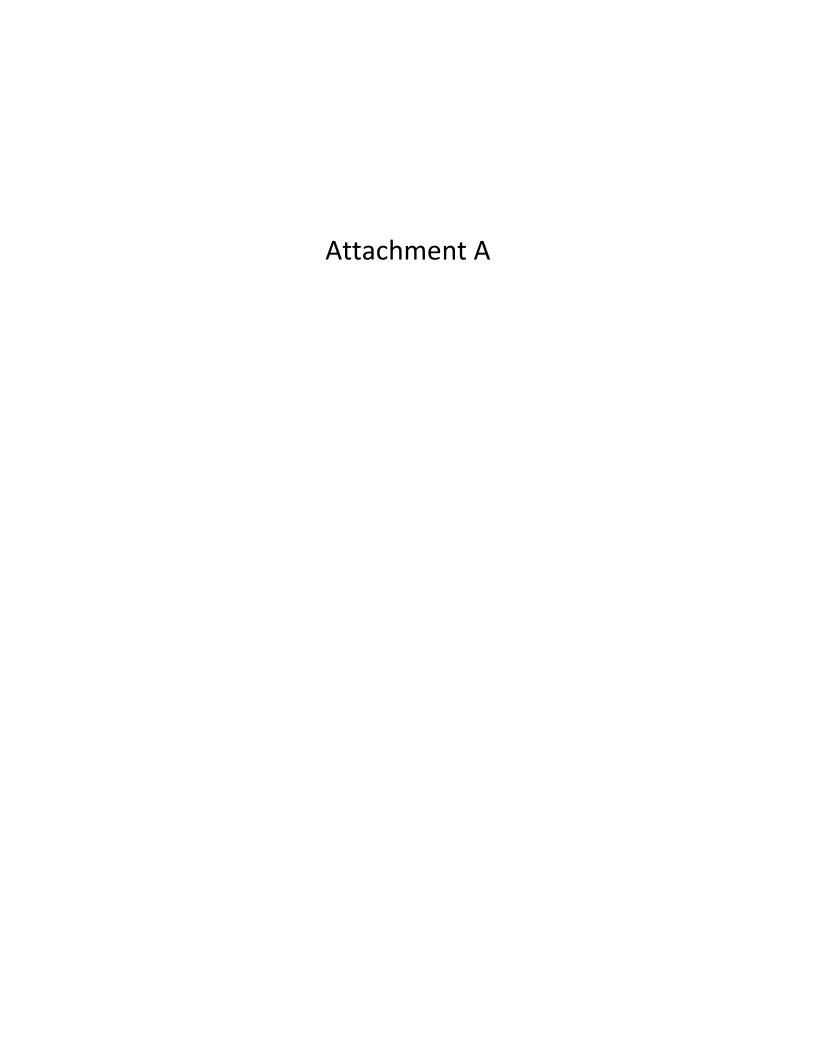
Honorable Aida Camacho Welch March 25, 2022 Page 2

Any questions regarding this filing can be directed to Cheryl Ruggiero at (212) 460-3189 or at ruggieroc@coned.com.

Very truly yours,

/s/

William A. Atzl, Jr. Director – Rate Engineering



GENERAL INFORMATION

No. 31 BASIC GENERATION SERVICE ("BGS")

(1) <u>Basic Generation Service – Residential Small Commercial Pricing (BGS-RSCP)</u> Applicable to Service Classification Nos. 1, 2, 3, 4, and 6

Applicable to Service Classification Nos. 1, 2 (Non-Demand Billed), 3, 4, and 6 Charges per kilowatthour:

Service Classification	Summer Months*	Other Months
1 – First 600 kWh	4.599¢	7.879¢
1 – Over 600 kWh	9.956¢	7.879¢
2 - (Non-Demand Billed) – All kWh	6.823¢	6.598¢
3 – Peak	10.497¢	10.166¢
3 – Off-Peak	5.497¢	5.890¢
4 – All kWh	6.228¢	6.170¢
6 – All kWh	6.221¢	6.150¢

Applicable to Service Classification No. 2 Demand Billed customers who do not take BGS-CIEP service in accordance with General Information Section No. 31(2):

	Summer Months*	Other Months
Demand Charges		
First 5 kW (\$/kW)	0.93	1.05
Over 5 kW (\$/kW)	3.42	2.71
Usage Charges		
All kWh (¢/kWh)	6.165¢	6.062¢

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

(Continued)

ISSUED: March 25, 2022 EFFECTIVE: June 1, 2022

ISSUED BY: Robert Sanchez, President

Mahwah, New Jersey 07430

Filed pursuant to Order of the Board of Public Utilities, State of New Jersey, dated February 9, 2022 in Docket No. ER21030631

^{*}Definition of Summer Billing Months - June through September

GENERAL INFORMATION

No. 31 BASIC GENERATION SERVICE ("BGS") (Continued)

(2) <u>Basic Generation Service – Commercial and Industrial Energy Pricing</u> (BGS-CIEP)

This service is applicable to all Service Classification No. 7 customers, and Service Classification No. 2 customers who maintain a billing demand of 500 kW or greater during any two months of a calendar year, taking BGS from the Company. Service Classification No. 2 metered customers who do not meet the above criteria may elect to take BGS-CIEP service on a voluntary basis. See General Information Section No. 31(1).

BGS Energy Charges:

Charges per kilowatthour:

BGS Energy Charges are hourly and are provided at the real time PJM Load Weighted Average Residual Metered Load Aggregate Locational Marginal Prices for the Rockland Electric Transmission Zone, plus Ancillary Services (including PJM Administrative Charges) at the rate of \$0.00640 per kilowatthour, adjusted for losses and applicable taxes.

BGS Capacity Charges:

Charges per kilowatt of Capacity Obligation as determined in accordance with General Information Section No. 31(C):

Charge applicable in Summer* months	\$ 8.4478
Charge applicable in other months	\$ 8.4478

The above charges shall recover each customer's share of the overall summer peak load assigned to the Rockland Electric Transmission Zone by PJM as adjusted by PJM assigned capacity related factors.

In accordance with Rider SUT, the above charges include provision for the New Jersey Sales and Use Tax. When billed to customers exempt from this tax, as set forth in Rider SUT, such charges will be reduced by the relevant amount of such tax included therein.

(Continued)

ISSUED: March 25, 2022 EFFECTIVE: June 1, 2022

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

Filed pursuant to Order of the Board of Public Utilities, State of New Jersey, dated February 9, 2022 in Docket No. ER21030631

^{*} June through September

Attachment B & C

ROCKLAND ELECTRIC COMPANY
Page 1 of 12

Development of BGS Cost and Bid Factors for Rates Effective June 1, 2022

Table #1 % Usage During PJM On-Peak Period On-Peak periods of

Based on 2021 Load Profile Information
On-Peak periods defined as the 16 hr PJM Trading period, adj for NERC holidays

70 Osage During I Sim O	ii-i eak i eilou	On-i eak penous den	iou, auj ioi ive	Profile Meter		
	Profile Meter Data	Profile Meter Data	Profile Meter Data	Other Analysis	s	Data
	<u>SC1</u>	SC3	SC2 ND	<u>SC4</u>	<u>SC6</u>	SC2 Dem
January	41.59%	45.26%	32.84%	49.40%	49.40%	48.29%
February	45.46%	49.35%	36.18%	53.02%	53.02%	52.03%
March	47.88%	51.28%	36.80%	55.18%	55.18%	54.31%
April	47.58%	50.33%	36.81%	54.47%	54.47%	54.26%
May	42.04%	45.50%	29.26%	48.96%	48.96%	49.18%
June	48.91%	51.24%	31.78%	54.79%	54.79%	55.34%
July	44.96%	48.54%	28.62%	50.79%	50.79%	50.83%
August	49.31%	50.69%	30.97%	53.51%	53.51%	54.00%
September	47.19%	49.58%	35.05%	53.17%	53.17%	53.26%
October	44.95%	49.29%	34.04%	51.56%	51.56%	51.15%
November	44.99%	50.55%	35.79%	52.71%	52.71%	51.59%
December	47.75%	52.82%	37.85%	54.17%	54.17%	53.61%

Table #2 % Usage During RECO On-Peak Billing Period

On-Peak periods as defined in specified rate schedule

(data rounded to nearest %)	N/A <u>SC1</u>	SC3	N/A SC2 ND	<i>N/A</i> SC4	N/A <u>SC6</u>	N/A SC2 Dem
January		32.6%				
February		35.9%				
March		33.6%				
April		34.8%				
May		36.0%				
June		39.5%				
July		41.7%				
August		42.9%				
September		41.8%				
October		40.0%				
November		37.6%				
December		35.8%				

ROCKLAND ELECTRIC COMPANY

September

November

December

October

Table

Table #3	Class Usage @ custome Calendar month billed sale							
	in MWh	<u>SC1</u>	SC3	SC2 ND	<u>SC4</u>	<u>SC6</u>	SC2 Dem	<u>Total</u>
	January	53,239	34	1,624	666	481	31,301	87,344
	February	47,896	33	1,786	545	414	25,911	76,585
	March	44,102	29	2,145	582	378	27,071	74,306
	April	39,241	20	1,241	474	369	28,540	69,884
	May	38,907	23	978	460	340	24,733	65,441
	June	54,169	27	947	411	321	26,419	82,293
	July	81,121	32	1,106	440	312	30,114	113,124
	August	82,132	29	1,097	484	326	31,287	115,355

31

22

23

<u>27</u>

330

517

584

637

674

6,471

1,006

1,016

1,490

15,411

975

29,764

27,993

24,927

27,529

335,590

102,569

79,047

68,136

79,421

1,013,503

400

473

524

529

4,863

70,852

48,960

41,052

49,172

650,839

Table #4 Forwards Prices - Energy Only @ bulk system in \$/MWh (See Table 18)

Total

	111 \$71111111 (GGG 14516 16)						
		<u>On-Peak</u>	Off-Peak				
	January	67.39	53.70				
	February	63.57	50.74				
	March	44.91	35.74				
	April	38.50	30.98				
	May	37.97	30.39				
	June	41.35	27.63				
	July	48.16	32.15				
	August	45.14	30.17				
	September	42.33	28.19				
	October	42.53	33.17				
	November	44.64	35.01				
	December	49.08	38.62				
2 #5	Losses	<u>SC1</u>	<u>SC3</u>	SC2 ND	<u>SC4</u>	<u>SC6</u>	SC2 Dem
	Expansion Factor =	1.08631	1.08631	1.08631	1.08253	1.08253	1.08631
	Expansion Factor (net						
	Marginal Losses)	1.07627	1.07627	1.07347	1.07252	1.06614	1.07627

ROCKLAND ELECTRIC COMPANY
Page 3 of 12

Table #6 Summary of Average BGS Energy Only Unit Costs @ customer - PJM Time Periods based on Forwards prices corrected for basis differential & losses in \$/MWh

		<u>SC1</u>	SC3	SC2 ND	SC4	<u>SC6</u>	SC2 Dem
Summer - all hrs		\$ 39.97	\$ 40.16	\$ 37.23	\$ 40.40	\$ 40.29	\$ 40.69
	PJM on pk	\$ 48.37	\$ 48.15	\$ 48.06	\$ 47.82	\$ 47.69	\$ 48.11
	PJM off pk	\$ 32.37	\$ 32.19	\$ 32.25	\$ 32.01	\$ 31.92	\$ 32.22
Winter - all hrs		\$ 47.62	\$ 48.94	\$ 47.19	\$ 48.07	\$ 47.92	\$ 47.83
	PJM on pk	\$ 53.50	\$ 54.47	\$ 54.41	\$ 53.21	\$ 53.05	\$ 52.94
	PJM off pk	\$ 42.76	\$ 43.59	\$ 43.26	\$ 42.41	\$ 42.25	\$ 42.34
Annual		\$ 44.23	\$ 45.78	\$ 44.51	\$ 45.88	\$ 45.79	\$ 45.33
System Total		\$ 44.62					

Table #7 Summary of Average BGS Energy Only Costs @ customer - PJM Time Periods based on Forwards prices corrected for basis differential & losses

in \$1000

\$1000		<u>SC1</u>	SC3	SC2 ND	<u>SC4</u>	<u>SC6</u>	SC2 Dem
Summer - all hrs		\$ 11,522	\$ 5	\$ 155	\$ 75	\$ 55	\$ 4,784
	PJM on pk	\$ 6,622	\$ 3	\$ 63	\$ 47	\$ 34	\$ 3,015
	PJM off pk	4,900	\$ 2	\$ 92	\$ 28	\$ 20	\$ 1,769
Winter - all hrs		\$ 17,265	\$ 10	\$ 531	\$ 222	\$ 168	\$ 10,427
	PJM on pk	\$ 8,774	\$ 6	\$ 216	\$ 129	\$ 98	\$ 5,976
	PJM off pk	\$ 8,491	\$ 5	\$ 315	\$ 93	\$ 70	\$ 4,451
Annual		\$ 28,787	\$ 15	\$ 686	\$ 297	\$ 223	\$ 15,211
System Total		\$ 45,219					

Attachment B ROCKLAND ELECTRIC COMPANY Page 4 of 12

Summary of Average BGS Energy Only Unit Costs @ customer - RECO Time Periods Table #8 based on Forwards prices corrected for basis differential & losses - RECO billing time periods in \$/MWh

				SC1		SC3		SC2 ND		<u>SC4</u>		SC6		SC2 Dem				
	Summer - all hrs	RECO On pk RECO Off pk	\$	39.97	\$ \$ \$	40.16 49.49 33.53	\$	37.23	\$	40.40	\$	40.29	\$	40.69				
	Winter - all hrs	RECO On pk RECO Off pk	\$	47.62	\$ \$ \$	48.94 55.96 45.08	\$	47.19	\$	48.07	\$	47.92	\$	47.83				
	Annual Average System Average		\$ \$	44.23 44.62	\$	45.78	\$	44.51	\$	45.88	\$	45.79	\$	45.33				
Table #9	Generation & Tran Obligations - annua in MW		_			•	tes	SC2 ND		<u>SC4</u>		<u>SC6</u>		SC2 Dem]	Γotal FP		
	Gen Obl - MW			295.748		0.114		2.696		0.0		0.0		79.957		378.515	Ti	RUE
	Trans Obl - MW			311.199		0.117		2.933		0.0		0.0		86.182		400.431	TI	RUE
	# of Months and Da	ays used in this	analysis	;	# of summe # of winte	•		122 243		# of	winte	er months = er months = # months =		4 8 12				
	Transmission Cost*	•	\$	42,548	per MW-yr	-		116.57			lolai	# Monuis –		12				
	Generation Capacit (see Table 19)	-	summer winter		:	\$110.02 \$94.70		•	F	Resulting avg	gen	cap cost =	5	summer >> winter >>			per kW per kW	-
	Current residential s Current Tariff and %		-		SC1													
	Block 2	00 kWh/month) (>600 kWh/m) ted inversion =		Charges 5.407 10.038	¢/kWh	_		% usage 42.97% 57.03%										
Table #10	Ancillary Services																	

\$18.06 /MWh

forecasted overall annual average

ROCKLAND ELECTRIC COMPANY

Attachment B

Page 5 of 12

Table #11 Summary of Obligation Costs Expressed as \$/MWh @ customer (for non-demand rates only)

	<u>SC1</u>	SC3	SC2 ND	SC4	SC6
Transmission Obl - all months	\$ 20.34	\$ 15.09	\$ 8.10	\$ -	\$ -
Generation Obl -					
per annual MWh	\$ 16.56	\$ 12.59	\$ 6.37	\$ -	\$ -
per summer MWh	\$ 13.77	\$ 12.86	\$ 8.71	\$ -	\$ -
per winter MWh	\$ 18.77	\$ 12.43	\$ 5.51	\$ -	\$ -

Table #12 Summary of BGS Unit Costs @ customer

NON-DEMAND RATES (includes energy, G&T obligations, and Ancillary Services - adjusted to billing time periods in \$/MWh)

		<u>SC1</u>		SC3	SC2 ND	<u>SC4</u>	<u>SC6</u>
Summer - all hrs	RECO On pk RECO Off pk Block 1	65.73	\$ \$ \$	86.17 113.60 66.68	\$ 72.10	\$ 58.46	\$ 58.35
Winter - all hrs	Block 2 RECO On pk RECO Off pk	\$ 112.04 104.80	\$ \$ \$	94.52 124.09 78.23	\$ 78.86	\$ 66.13	\$ 65.98
Annual -all hrs		\$ 99.19	\$	91.51	\$ 77.04	\$ 63.94	\$ 63.85

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

	SC2 Dem	PLUS:	
Summer - all hrs	\$ 58.75	Gen Cost (per kW of Billed Demand/Month)	
		≤ 5 kW > 5 k	ί W
Winter - all hrs	\$ 65.89	summer \$ 0.801 \$ 2.95 winter \$ 1.034 \$ 2.68	
Annual - all hrs per MWh only	\$ 63.39	Trans cost all months \$ 3.55 per kW of T obl /month	

ROCKLAND ELECTRIC COMPANY

Attachment B
Page 6 of 12

Table #12 (Continued)

Including T&G Obligation \$			Gen Cost (per kW of Billed	Demand/M	onth)		
Summer - all hrs	\$	80.10					
			 summer	¢	≤ 5 kW 0.801	\$	> 5 kW 2.952
Winter - all hrs	\$	87.73	winter	\$	1.034	т	2.682
Annual - including T&G Obl \$	\$	82.99					
ALL RATES							
Grand Total Cost in \$1000 All-In Avera	•	94,351 ustomer = \$	93.09 per MWh at customer (per customer meter	ed MWh)			
All-In Average costs @	transmissio	n nodes = \$	86.51 per MWH at transmission nodes (per meter	red MWh at	transmiss	ion no	de)

Table #13 Ratio of BGS Unit Costs @ customer to All-In Average Cost @ transmission nodes

NON-DEMAND RATES

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

		<u>SC1</u>	<u>SC3</u>	SC2 ND	<u>SC4</u>	<u>SC6</u>
Summer - all hrs	RECO On pk RECO Off pk	1.065	1.313 0.771	0.833	0.676	0.675
	Constant Blk 1 \$ Constant Blk 2 \$	` ,				
Winter - all hrs	RECO On pk RECO Off pk	1.211	1.434 0.904	0.912	0.764	0.763
Annual - all hrs		1.147	1.058	0.891	0.739	0.738

ROCKLAND ELECTRIC COMPANY
Page 7 of 12

Table #13 (Continued)

DEMAND RATES

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

Summer - all hrs	SC2 Dem Multiplier 0.926 \$	SC2 Dem <u>Constant</u> (21.353)	PLUS: Gen Cost (per kW of Billed Demand/Month)			
			<u>≤</u> 5 kW	> 5 kW		
Winter - all hrs	1.014 \$	(21.839)	summer \$ 0.80 \$ winter \$ 1.03 \$	2.95 2.68		
Annual - including T&G Obl \$	0.959		Trans cost all months \$ 3.546 per kW of T obl /month			

Table #14 Summary of BGS Unit Costs Less Transmission @ customer

NON-DEMAND RATES

Includes energy, generation capacity obligation, and Ancillary Services - adjusted to billing time periods. Transmission billed at retail tariff level. in \$/MWh

			<u>SC1</u>		SC3	SC2 ND	<u>SC4</u>	<u>SC6</u>
Summer - all hrs	RECO On pk RECO Off pk	\$	71.80	\$ \$ \$	71.08 98.52 51.59	\$ 64.00	\$ 58.46	\$ 58.35
	Block 1 Block 2	-	45.39 91.70					
Winter - all hrs	RECO On pk RECO Off pk	\$	84.45	\$ \$ \$	79.44 109.00 63.14	\$ 70.77	\$ 66.13	\$ 65.98
Annual -all hrs		\$	78.85	\$	76.42	\$ 68.94	\$ 63.94	\$ 63.85

ROCKLAND ELECTRIC COMPANY

Page 8 of 12

Table #14 (Continued)

DEMAND RATES

Includes energy and Ancillary Services, generation obligation charged separately - adjusted to billing time periods. Transmission billed at retail tariff level. In \$/MWh.

	<u> </u>	SC2 Dem		PLUS:			
Summer - all hrs	\$	58.75		Gen Cost (per kW of Billed	d Demand/Mor	<u>nth)</u>	
						< 5 kW	<u>> 5 kW</u>
Winter - all hrs	\$	65.89		summer winter	\$ \$	0.801 \$ 1.034 \$	2.952 2.682
Annual - all hrs per MWh only	\$	63.39					
Including Generation Obligation \$ Summer - all hrs	\$	69.70					
Winter - all hrs	\$	76.52					
Annual - including T&G Obl \$	\$	74.13					
ALL RATES Grand Total Cost in \$1000 = All-In Average All-In Average costs @ t	e cost @ cı		76.97 per MWh at customer (per cus 71.52 per MWh at tranmission node s		t transmission	node)	

ROCKLAND ELECTRIC COMPANY

Attachment B

Page 9 of 12

Table #15 Ratio of BGS Unit Costs Less Transmission @ customer to All-In Average Cost @ transmission nodes

NON-DEMAND RATES

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

	<u>SC1</u>	SC3	SC2 ND	<u>SC4</u>	<u>SC6</u>
Summer - all hrs RECO On pk RECO Off pk	1.004	1.377 0.721	0.895	0.817	0.816
Constant Blk 1 \$ Constant Blk 2 \$	(26.41) 19.90				
Winter - all hrs RECO On pk RECO Off pk	1.181	1.524 0.883	0.989	0.925	0.922
Annual - all hrs	1.102	1.069	0.964	0.894	0.893

DEMAND RATES

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

Summer - all hrs	SC2 Dem <u>Multiplier</u> 0.975	SC2 Dem <u>Constant</u> (10.958)	PLUS: Gen Cost (per kW of Billed Demand/Month)			
					< 5 kW	> 5 kW
Winter - all hrs	1.070	(10.625)	summer winter	\$ \$	0.801 \$ 1.034 \$	2.952 2.682
Annual - including T&G Obl \$	1.036					

ROCKLAND ELECTRIC COMPANY
Page 10 of 12

Table #16 Summary of Total BGS Costs by Season

	<u>SC1</u>	SC3	SC2 ND	SC4	<u>SC6</u>	SC2 Dem		
Total Costs by Rate - in \$1000						<u> </u>		
Summer	\$ 26,562 \$	10 \$	300 \$	108 \$	79 \$	9,203		
Winter	\$ 37,995 \$	20 \$	888 \$	305 \$	231 \$	18,649		
Total	\$ 64,558 \$	30 \$	1,187 \$	414 \$	310 \$	27,852		
% of Annual Total \$ by Rate								
Summer	41%	34%	25%	26%	26%	33%		
Winter	59%	66%	75%	74%	74%	67%		
Total Costs - in \$1000								
Summer	\$ 36,263							
Winter	\$ 58,088							
Total	\$ 94,351							
% of Annual Total \$	lf ·	total \$ were split	on a per MWh b	asis (on transmiss	on node MW	'hs):	Ratio to All-In	Cost
Summer	38%	\$	81.52 per N	lWh @ transmissi	on nodes		Summer	0.9424
Winter	62%	\$	89.94 per N	lWh @ transmissi	on nodes		Winter	1.0397

Table #17 Summary of Total BGS Costs by Season - Less Transmission

	<u>SC1</u>	SC3		SC2 ND		SC4		<u>SC6</u>	SC2 Dem		
Total Costs by Rate - in \$1000											
Summer	\$ 20,698	\$ 8	\$	266	\$	108	\$	79 9	\$ 7,981		
Winter	\$ 30,619	\$ 17	\$	796	\$	305	\$	231 \$	\$ 16,204		
Total	\$ 51,317	\$ 25	\$	1,062	\$	414	\$	310	\$ 24,185		
% of Annual Total \$ by Rate											
Summer	40%	34%		25%		26%		26%	33%		
Winter	60%	66%		75%		74%		74%	67%		
Total Costs - in \$1000											
Summer	\$ 29,140										
Winter	\$ 48,173										
Total	\$ 77,314										
% of Annual Total \$		If total \$ were	split	t on a per M	Wh b	asis (on tra	nsm	ission node M\	Whs):	Ratio to All-In	n Cost
Summer	38%		\$	65.51	per l	ฟWh @ trar	nsmi	ssion nodes		Summer	0.9159
Winter	62%		\$	74.59	per l	MWh @ trar	nsmi	ssion nodes		Winter	1.0429

ROCKLAND ELECTRIC COMPANY
Page 11 of 12

Table #18 Forward Energy Prices

PJM Forward Prices - Energy Only @) bulk system			ne to Western H sis Differential	lub	PJM Forward Prices (incl basis different	
in \$/MWh		Off/On Peak	in :	\$/MWh		in \$/MWh	
	<u>On-Peak</u>	LMP ratio	Off-Peak	On-Peak	Off-Peak	<u>On-Peak</u>	Off-Peak
January	67.20	0.7717	51.86	94%	96%	63.17	49.79
February	63.00	0.7717	48.62	94%	96%	59.22	46.68
March	45.20	0.7717	34.88	94%	96%	42.49	33.48
April	40.80	0.7717	31.49	94%	96%	38.35	30.23
May	40.90	0.7717	31.56	94%	96%	38.45	30.30
June	44.35	0.6684	29.64	93%	91%	41.25	26.97
July	50.80	0.6684	33.95	93%	91%	47.24	30.89
August	47.55	0.6684	31.78	93%	91%	44.22	28.92
September	45.45	0.6684	30.38	93%	91%	42.27	27.65
October	45.05	0.7717	34.77	94%	96%	42.35	33.38
November	46.60	0.7717	35.96	94%	96%	43.80	34.52
December	48.90	0.7717	37.74	94%	96%	45.97	36.23

NYISO Forward Prices - Energy Only @ bulk system in \$/MWh

Off-Peak On-Peak 95.50 79.75 January 92.50 77.75 February March 61.00 50.75 April 39.50 36.00 34.75 31.00 May 42.00 32.00 June July 54.25 40.50 August 51.25 38.50 September 42.75 31.75 October 43.75 31.75 November 50.25 38.25 69.75 54.50 December

Weighted Average Forward Prices - Energy Only @ bulk system (86.9% PJM - 13.1% NYISO) in \$/MWh

π φ π τ τ τ τ τ τ τ τ τ τ τ τ τ τ τ τ τ		
	On-Peak	Off-Peak
January	67.39	53.70
February	63.57	50.74
March	44.91	35.74
April	38.50	30.98
May	37.97	30.39
June	41.35	27.63
July	48.16	32.15
August	45.14	30.17
September	42.33	28.19
October	42.53	33.17
November	44.64	35.01
December	49.08	38.62

ROCKLAND ELECTRIC COMPANY
Page 12 of 12

Table #19 Generation Capacity Prices (\$/MW/Day)

	PJM Base <u>Capacity</u>	PJM <u>86.9%</u>	NYISO <u>13.1%</u>	Weighted <u>Average</u>
Summer	\$101.28	\$101.28	\$168.22	\$110.02
Winter	\$101.28	\$101.28	50.87	\$94.70

Table #20 Ancillary Services

Weighted	NYISO	PJM	Renewable	NYISO Ancillary	PJM Ancillary
<u>Average</u>	<u>13.1%</u>	<u>86.9%</u>	Power Cost	Services	Services
\$18.06	\$17.86	\$18.09	\$16.09	\$1.77	\$2.00

Assumptions:

Gen Cost = \$110.02 per MW-day in summer

\$94.70 per MW-day in winter

Trans cost = \$ 42,548 per MW-yr

Analysis time period = 4 summer months

8 winter months

Ancillary Services = \$ 18.06 /MWh

Energy Costs = Based on Jun 2022 to May 2023 Forwards @ PJM West as of January 04, 2022

Based on Jun 2023 to May 2024 Forwards @ NYISO Zone G and Lower Hudson Valley (LHV) as of January 10, 2022

Usage patterns = Forecasted 2021 energy use by class, PJM on/off % from 2020 class load profiles,

RECO billing on/off % from 6/20 to 5/21 actual data

Obligations = Class totals for 2021

Losses = Per RECO's Third Party Supplier Agreement adjusted for PJM 500kV losses and inadvertent energy.

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

RECO Billing time periods = as per specific rate schedule

2022 BGS Auction

Table A Weighted Average Price Calculation

1 2(a)	Specific BGS-FP Auction >> Tranches Winning Bid Price (¢/kWh)*	2020 Auction 36 Month 2 8.242	2021 Auction 36 Month 1 6.692	2022 Auction 36 Month 1 8.206	<u>Total</u> 4	Notes: From then-current auction Winning Auction Prices
2(b)	Capacity Proxy Price True-up - in (¢/kWh)* Winning Bid Price (¢/kWh)*	-0.789 7.453	-0.789 5.903	0.000 8.206		Entered after 2022 auction = 2(a) + 2(b)
3	Transmission (¢/kWh)	1.327	0.000	0.000		Average transmission cost included in bid for existing tranches only
4	BGS (¢/kWh)	6.126	5.903	8.206		=(2) - (3)
5	Weighted Avg BGS	3.063	1.476	2.052	6.590	= (1) / Total Tranches * (4)
6	Weighted Avg Trans	0.664	0.000	0.000	0.664	= (1) / Total Tranches * (3)
7	Weighted Avg Total Price (¢/kWh)				7.254	
	Seasonal Payment Factors					
8	Summer	1.0000	1.0000	1.0000 **	k	From then-current Bid Factor Spreadsheet
9	Winter	1.0000	1.0000	1.0000 **		From then-current Bid Factor Spreadsheet
						·
40	Applicable Customer Usage @ transmission node		(Ea	astern Division)		From the common Pid Front or Common to be at
10 11	Summer MWh Winter MWh	386,727 561,490				From then-current Bid Factor Spreadsheet From then-current Bid Factor Spreadsheet
12	vviillei ivivvii	948,217				From then-current blu Factor Spreadsheet
12		340,217				
	Total Cost					
13	Summer	11,845,462	5,707,130	7,933,713	25,486,305	= (1) / Total Tranches * (2C-3) / 100 * (8) * (10) * 1,000
14	Winter	<u>17,198,439</u>	<u>8,286,189</u>	<u>11,518,967</u>	<u>37,003,595</u>	= (1) / Total Tranches * (2C-3) / 100* (9) * (11) * 1,000
15	Total	29,043,901	13,993,319	19,452,680	62,489,900	= (13) + (14)
	Average Cost (NJ Statewide Auction)					
16	Summer	6.590 ¢	/kWh			= sum(line 13) / (10) / 1000 * 100 rounded to 3 decimal places
17	Winter	6.590 ¢				= sum(line 14) / (11) / 1000 * 100 rounded to 3 decimal places
18	Total	6.590 ¢	/kWh			= sum(line 15) / (12) / 1000 * 100 rounded to 3 decimal places
	Average Cost (Including RECO RFP)					
	TWO rage Cost (morating NECO NIT)	BGS	RECO			
		Auction	RFP		<u>Total</u>	
19	Tranches	4	0.601		4.601	Includes RECO RFP equivalent tranches
20	Price ¢/kWh	6.590	6.590			BGS Auction from (18)
		0.05-				(excludes transmission).
21	Transmission	0.000	0.000			- (20) (24)
22 23	BGS Weighted Avg BGS	6.590 5.729	6.59 0.861		6.590	= (20) - (21) = (19) / Total Tranches * (22)
23 24	Weighted Avg BGS Weighted Avg Trans	5.729 0.000	0.000		0.000	= (19) / Total Tranches * (22) = (19) / Total Tranches * (21)
25 25	Weighted Avg Total Price	0.000	0.000		6.590	= (23) + (24)
20	Trongittou Ary Total Fillo			L	3.000	

^{*} Includes Impact of PJM Marginal Losses

^{**} Auction results set to 1.0 to avoid using an atypical result from the current 12-month forward prices.

Table B Ratio of BGS Unit Costs Less Transmission @ customer to All-In Average Cost @ transmission nodes (from Table 15 of Bid Factor Spreadsheet)

NON-DEMAND RATES

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

		<u>SC1</u>	<u>SC3</u>	SC2 ND	<u>SC4</u>	<u>SC6</u>
Summer - all hrs	RECO On pk RECO Off pk	1.004	1.377 0.721	0.895	0.817	0.816
	Constant Blk 1 \$ Constant Blk 2 \$	(26.41) 19.90				
Winter - all hrs	RECO On pk RECO Off pk	1.181	1.524 0.883	0.989	0.925	0.922
Annual - all hrs		1.102	1.069	0.964	0.894	0.893

DEMAND RATES

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

Summer - all hrs	SC2 Dem <u>Multiplier</u> 0.975	SC2 Dem Constant (10.958)	PLUS: Gen Cost (per kW of B	illed Demand	<u>/Month)</u>	
				<u>o</u>	< 5 kW	<u>> 5 kW</u>
Winter - all hrs	1.070	(10.625)	summer \$ winter \$	- \$ - \$	0.801 \$ 1.034 \$	2.952 2.682
Annual - including T&G Obl \$	1.036					

ROCKLAND ELECTRIC COMPANY 2022 BGS Auction

Table C Determination of Preliminary Retail Rates to be Charged to BGS Customers

All-In Average costs @ Trans node = Less Transmission	\$ \$	65.90 -	/MWh* /MWh**	* Price from Table A (which does not include transmission for the Central/Western Division).				
BGS Cost	\$	65.90	/MWh	** RECO average transmission rate of 14.99 minus Central/West transmission contribution to weighted				
				average rate 0.601/4.601 *\$14.99 per MWh). \$1.96				

Retail BGS Rates (excl SUT) (¢/kWh)

	<u>SC1</u>	SC3	SC2 ND	<u>SC4</u>	<u>SC6</u>	SC2 Dem
<u>Summer</u>			<u> </u>			
All kWh (¢/kWh)	6.616		5.898	5.384	5.377	5.329
Peak kWh (¢/kWh)		9.074				
Off-Peak kWh (¢/kWh)		4.751				
Block1	3.975					
Block2	8.606					
Demand Charge (\$/kW) 1st 5kW Demand Charge (\$/kW)> 5 kW						0.801 2.952
<u>Winter</u>						
All kWh (¢/kWh)	7.783		6.518	6.096	6.076	5.989
Peak kWh (¢/kWh)		10.043				
Off-Peak kWh (¢/kWh)		5.819				
Demand Charge (\$/kW) 1st 5kW						1.034
Demand Charge (\$/kW) > 5 kW						2.682

Table D Calculation of Rate Adjustment Factors

		<u>SC1</u>		SC3		SC2 ND		SC4	SC6		SC2 Dem
Total BGS Revenue (Excl SUT)			_		_		_			_	
Summer	\$	19,072	\$	8	\$	245	\$		\$ 73	\$	7,555
Winter	\$	28,219	\$	15	\$	734	\$		\$ 213	\$	15,373
Total	\$	47,291	\$	23	\$	979	\$	382	\$ 286	\$	22,928
Total											
Summer	\$	27,053									
Winter	\$	44,836									
Total	\$	71,889									
Total Supplier Payments - in \$1	<u>000</u>										
Eastern Division		Total		Transmission		Net BGS					
Summer	\$	25,486			\$	25,486		Г	4,937.00		
Winter	\$	37,004			\$	37,004			9,875.00		
Total	\$	62,490	\$	-	\$	62,490		L	•	l	
Central/Western Division		Total		Transmission		Net BGS					
Summer	\$	3,865	\$	_	\$	3,865					
Winter	\$	5,560	\$	_	\$	5,560					
Total	\$	9,425	\$	-	\$	9,425					
Total RECO FP		Total		Transmission		Net BGS					
Summer	\$	29,351	\$		\$	29,351					
Winter		42,564	\$	- -	\$	42,564					
Total	<u>\$</u> \$	71,915	\$	-	\$	71,915					
									Rate		
Differences		BGS		BGS					Adjustment		
		Revenue		Costs		<u>Difference</u>			<u>Factors</u>		
Summer	\$	27,053	\$	29,351	\$	2,298			1.08496		
Winter	\$	44,836	\$	42,564	\$	(2,272)			0.94932		
Total	\$	71,889	\$	71,915	\$	26					

Table E Final Retail BGS Rates (¢/kWh)

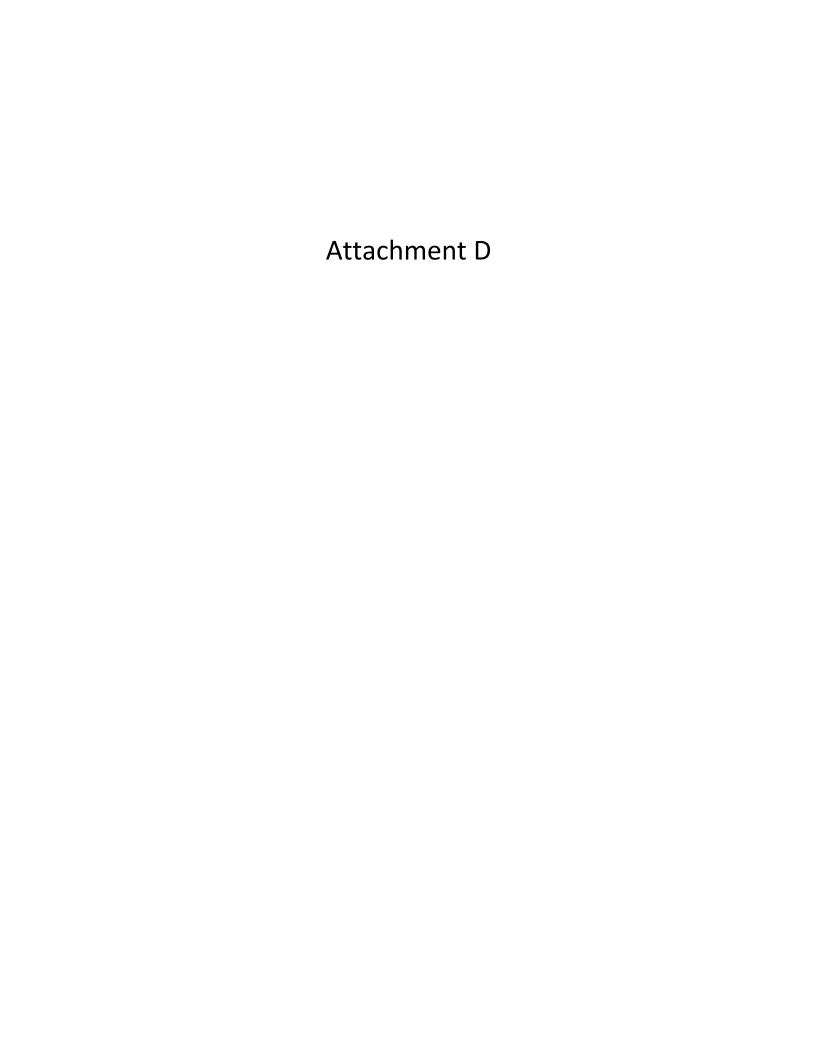
Rates Excluding SUT:

	<u>SC1</u>	SC3	SC2 ND	SC4	<u>SC6</u>	SC2 Dem
Summer All kWh (¢/kWh) Peak kWh (¢/kWh) Off-Peak kWh (¢/kWh)	7.178	9.845 5.155	6.399	5.841	5.834	5.782
Block2	4.313 9.337	0.100				
Demand Charge (\$/kW) 1st 5kW Demand Charge (\$/kW) > 5 kW						0.869 3.203
<u>Winter</u> All kWh (¢/kWh) Peak kWh (¢/kWh) Off-Peak kWh (¢/kWh)	7.389	9.534 5.524	6.188	5.787	5.768	5.685
Demand Charge (\$/kW) 1st 5kW Demand Charge (\$/kW) > 5 kW						0.982 2.546
Rates Including SUT:	SUT	@	C COE0/			
	301	ω	6.625%			
	<u>sc1</u>	<u>sc3</u>	6.625% SC2 ND	SC4	<u>SC6</u>	SC2 Dem
Summer All kWh (¢/kWh) Peak kWh (¢/kWh) Off-Peak kWh (¢/kWh)	<u>SC1</u>			<u>SC4</u> 6.228	<u>SC6</u> 6.221	SC2 Dem 6.165
Summer All kWh (¢/kWh) Peak kWh (¢/kWh)		SC3 10.497	SC2 ND		· · · · · · · · · · · · · · · · · · ·	
Summer All kWh (¢/kWh) Peak kWh (¢/kWh) Off-Peak kWh (¢/kWh) Block1 Block2 Demand Charge (\$/kW) 1st 5kW Demand Charge (\$/kW)> 5 kW	<u>SC1</u> 4.599	SC3 10.497	SC2 ND		· · · · · · · · · · · · · · · · · · ·	
Summer All kWh (¢/kWh) Peak kWh (¢/kWh) Off-Peak kWh (¢/kWh) Block1 Block2 Demand Charge (\$/kW) 1st 5kW	<u>SC1</u> 4.599	SC3 10.497	SC2 ND		· · · · · · · · · · · · · · · · · · ·	6.165 0.9300

Table F **Spreadsheet Error Checking**

Total BGS Revenue (Excl SUT) - in \$1000

		<u>SC1</u>		SC3		SC2 ND	SC4	SC6	<u>i</u>	SC2 Dem
Summer	\$	20,692	\$	8	\$	266	\$ 108 \$	79	\$	8,197
Winter	\$	26,790	\$	15	\$	696	\$ <u> 267</u> \$	202	\$	14,593
Total	\$	47,482	\$	23	\$	962	\$ 375 \$	281	\$	22,790
Total										
Summer	\$ \$	29,350								
Winter	\$	42,563								
Total	\$	71,913								
Supplier Payments - in \$1000										
Eastern Division										
		Total	_	Transmission	_	Net BGS			_	
Summer	\$	25,486	\$	-	\$	25,486		4937		
Winter	\$	37,004	\$	-	\$	37,004		9875		
Total	\$	62,490	\$	-	\$	62,490				
Central/Western Division										
		Total	_	Transmission		Net BGS				
Summer	\$ \$	3,865	\$	-	\$	3,865				
Winter	\$	5,560	\$	-	\$	5,560				
Total	\$	9,425	\$	-	\$	9,425				
Total RECO FP										
		Total	_	Transmission		Net BGS				
Summer	\$	29,351	\$	-	\$	29,351				
Winter	\$ \$	42,564	\$	-	\$	42,564				
Total	\$	71,915	\$	-	\$	71,915				
Differences										
		BGS		BGS						
_	_	Revenue		Costs		<u>Difference</u>				
Summer	\$	29,350	\$	29,351	\$	1				
Winter	\$	42,563	\$	42,564	\$	1				
Total	\$	71,913	\$	71,915	\$	2				



Development of Capacity Proxy Price True-Up - \$/MWh 2022/2023 Delivery Year

LULL/LULU Delivery real		
	2022/23	
	Delivery Year	Notes:
1 Zonal Capacity Price (\$/MW-day)	\$97.93	Final Zonal Net Load Price
2 Capacity Proxy Price (\$/MW-day)	\$152.06	per Board Orders dated 11/13/2019 and 11/18/2020
3 Capacity Proxy Price True-Up - \$/MW-day	-\$54.13	= line 1 - line 2
4 BGS-RSCP Gen Obl - MW	378.5	
5 Days in Year	365	
6 Capacity Proxy Price True-Up Annual Cost	-\$7,478,491.19	= line 3 * line 4 * line 5
7 Eligible Tranches	1	from Table A
8 Total Tranches	4	from Table A
9 % of tranches eligible for payment	25.00%	= line 7 / line 8
10 Capacity Proxy Price True-Up Cost	-\$1,869,623	= line 6 * line 9
11 Total Applicable Customer Usage @ transmission nodes - in MWh	948,217	
12 Eligible Customer Usage @ transmission nodes - in MWh	237,054	= line 9 * line 11
13 Capacity Proxy Price True-Up - \$/MWh	-\$7.89	= line 10/ line 12 - rounded to 2 decimal places

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

3/11/2022

Final Forecast Pool Rec	quirement =	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			