Jennifer Brooks Hutchinson
Senior Counsel

December 6, 2016

VIA HAND DELIVERY & ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

RE: Docket 4673 - Long-Term Contracting for Renewable Energy Recovery Factor
Responses to PUC Data Requests – Set 1

Dear Ms. Massaro:

Enclosed please find National Grid's[1] responses to the first set of data requests issued by the Rhode Island Public Utilities Commission in the above-referenced docket.

Thank you for your attention to this filing. If you have any questions concerning this transmittal, please contact me at 401-784-7288.

Very truly yours,

Jennifer Brooks Hutchinson

Enclosures

cc: Docket 4673 Service List
Leo Wold, Esq.
Steve Scialabba

[1] The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

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Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.

_____ December 6, 2016

Joanne M. Scanlon Date

Docket No. 4673 - National Grid – Long-Term Contracting for Renewable Energy Recovery Factor (Year 2017)

Service List updated 11/14/16

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PUC 1-1

Request:

Please provide the bill impact of the proposed Long Term Contracting for Renewable Energy Recovery Factor for each rate class using a range of usage.

Response:

Please see Attachment PUC 1-1.

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to A-16 Rate Customers

Monthly kWh	Present Rates				Proposed Rates				Increase (Decrease)								Percentage of Customers
									$				% of Total Bill				
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
150	$18.51	$12.27	$1.28	$32.06	$19.13	$12.27	$1.31	$32.71	$0.62	$0.00	$0.03	$0.65	1.9%	0.0%	0.1%	2.0%	13.7%
300	$31.08	$24.54	$2.32	$57.94	$32.31	$24.54	$2.37	$59.22	$1.23	$0.00	$0.05	$1.28	2.1%	0.0%	0.1%	2.2%	17.5%
400	$39.45	$32.72	$3.01	$75.18	$41.09	$32.72	$3.08	$76.89	$1.64	$0.00	$0.07	$1.71	2.2%	0.0%	0.1%	2.3%	11.8%
500	$47.83	$40.90	$3.70	$92.43	$49.88	$40.90	$3.78	$94.56	$2.05	$0.00	$0.08	$2.13	2.2%	0.0%	0.1%	2.3%	10.8%
600	$56.21	$49.07	$4.39	$109.67	$58.66	$49.07	$4.49	$112.22	$2.45	$0.00	$0.10	$2.55	2.2%	0.0%	0.1%	2.3%	9.4%
700	$64.58	$57.25	$5.08	$126.91	$67.45	$57.25	$5.20	$129.90	$2.87	$0.00	$0.12	$2.99	2.3%	0.0%	0.1%	2.4%	7.7%
1,200	$106.46	$98.15	$8.53	$213.14	$111.37	$98.15	$8.73	$218.25	$4.91	$0.00	$0.20	$5.11	2.3%	0.0%	0.1%	2.4%	15.0%
2,000	$173.47	$163.58	$14.04	$351.09	$181.65	$163.58	$14.38	$359.61	$8.18	$0.00	$0.34	$8.52	2.3%	0.0%	0.1%	2.4%	14.1%

		Present Rates		Proposed Rates	
Customer Charge		$5.00		$5.00	
RE Growth Factor		$0.22		$0.22	
LIHEAP Charge		$0.73		$0.73	
Transmission Energy Charge	kWh x	$0.02705		$0.02705	
Distribution Energy Charge	kWh x	$0.04278		$0.04278	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.08179		$0.08179	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to A-60 Rate Customers

Monthly kWh	Present Rates				Proposed Rates				Increase (Decrease)								Percentage of Customers
									$				% of Total Bill				
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
150	$11.49	$12.27	$0.99	$24.75	$12.11	$12.27	$1.02	$25.40	$0.62	$0.00	$0.03	$0.65	2.5%	0.0%	0.1%	2.6%	13.7%
300	$22.04	$24.54	$1.94	$48.52	$23.26	$24.54	$1.99	$49.79	$1.22	$0.00	$0.05	$1.27	2.5%	0.0%	0.1%	2.6%	17.5%
400	$29.07	$32.72	$2.57	$64.36	$30.70	$32.72	$2.64	$66.06	$1.63	$0.00	$0.07	$1.70	2.5%	0.0%	0.1%	2.6%	11.8%
500	$36.10	$40.90	$3.21	$80.21	$38.14	$40.90	$3.29	$82.33	$2.04	$0.00	$0.08	$2.12	2.5%	0.0%	0.1%	2.6%	10.8%
600	$43.12	$49.07	$3.84	$96.03	$45.58	$49.07	$3.94	$98.59	$2.46	$0.00	$0.10	$2.56	2.6%	0.0%	0.1%	2.7%	9.4%
700	$50.15	$57.25	$4.48	$111.88	$53.02	$57.25	$4.59	$114.86	$2.87	$0.00	$0.11	$2.98	2.6%	0.0%	0.1%	2.7%	7.7%
1,200	$85.30	$98.15	$7.64	$191.09	$90.21	$98.15	$7.85	$196.21	$4.91	$0.00	$0.21	$5.12	2.6%	0.0%	0.1%	2.7%	15.0%
2,000	$141.53	$163.58	$12.71	$317.82	$149.71	$163.58	$13.05	$326.34	$8.18	$0.00	$0.34	$8.52	2.6%	0.0%	0.1%	2.7%	14.1%

		Present Rates		Proposed Rates	
Customer Charge		$0.00		$0.00	
RE Growth Factor		$0.22		$0.22	
LIHEAP Charge		$0.73		$0.73	
Transmission Energy Charge	kWh x	$0.02705		$0.02705	
Distribution Energy Charge	kWh x	$0.02931		$0.02931	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.08179		$0.08179	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to C-06 Rate Customers

Monthly kWh	Present Rates				Proposed Rates				Increase (Decrease)								Percentage of Customers
									$				% of Total Bill				
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
250	$30.61	$20.99	$2.15	$53.75	$31.63	$20.99	$2.19	$54.81	$1.02	$0.00	$0.04	$1.06	1.9%	0.0%	0.1%	2.0%	35.2%
500	$50.14	$41.98	$3.84	$95.96	$52.18	$41.98	$3.92	$98.08	$2.04	$0.00	$0.08	$2.12	2.1%	0.0%	0.1%	2.2%	17.0%
1,000	$89.19	$83.96	$7.21	$180.36	$93.28	$83.96	$7.39	$184.63	$4.09	$0.00	$0.18	$4.27	2.3%	0.0%	0.1%	2.4%	19.0%
1,500	$128.25	$125.94	$10.59	$264.78	$134.38	$125.94	$10.85	$271.17	$6.13	$0.00	$0.26	$6.39	2.3%	0.0%	0.1%	2.4%	9.8%
2,000	$167.30	$167.92	$13.97	$349.19	$175.48	$167.92	$14.31	$357.71	$8.18	$0.00	$0.34	$8.52	2.3%	0.0%	0.1%	2.4%	19.1%

		Present Rates		Proposed Rates	
Customer Charge		$10.00		$10.00	
RE Growth Factor		$0.35		$0.35	
LIHEAP Charge		$0.73		$0.73	
Transmission Energy Charge	kWh x	$0.02566		$0.02566	
Distribution Energy Charge	kWh x	$0.03852		$0.03852	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.08396		$0.08396	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 200

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	4000	$394.46	$335.84	$30.43	$760.73	$410.82	$335.84	$31.11	$777.77	$16.36	$0.00	$0.68	$17.04	2.2%	0.0%	0.1%	2.2%
50	10000	$861.20	$839.60	$70.87	$1,771.67	$902.10	$839.60	$72.57	$1,814.27	$40.90	$0.00	$1.70	$42.60	2.3%	0.0%	0.1%	2.4%
100	20000	$1,639.10	$1,679.20	$138.26	$3,456.56	$1,720.90	$1,679.20	$141.67	$3,541.77	$81.80	$0.00	$3.41	$85.21	2.4%	0.0%	0.1%	2.5%
150	30000	$2,417.00	$2,518.80	$205.66	$5,141.46	$2,539.70	$2,518.80	$210.77	$5,269.27	$122.70	$0.00	$5.11	$127.81	2.4%	0.0%	0.1%	2.5%

		Present Rates		Proposed Rates	
Customer Charge		$135.00		$135.00	
RE Growth Factor		$3.37		$3.37	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.59		$3.59	
Transmission Energy Charge	kWh x	$0.01068		$0.01068	
Distribution Demand Charge-xcs 10 kW	kW x	$5.58		$5.58	
Distribution Energy Charge	kWh x	$0.00733		$0.00733	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.08396		$0.08396	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 300

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	6000	$458.34	$503.76	$40.09	$1,002.19	$482.88	$503.76	$41.11	$1,027.75	$24.54	$0.00	$1.02	$25.56	2.4%	0.0%	0.1%	2.6%
50	15000	$1,020.90	$1,259.40	$95.01	$2,375.31	$1,082.25	$1,259.40	$97.57	$2,439.22	$61.35	$0.00	$2.56	$63.91	2.6%	0.0%	0.1%	2.7%
100	30000	$1,958.50	$2,518.80	$186.55	$4,663.85	$2,081.20	$2,518.80	$191.67	$4,791.67	$122.70	$0.00	$5.12	$127.82	2.6%	0.0%	0.1%	2.7%
150	45000	$2,896.10	$3,778.20	$278.10	$6,952.40	$3,080.15	$3,778.20	$285.76	$7,144.11	$184.05	$0.00	$7.66	$191.71	2.6%	0.0%	0.1%	2.8%

		Present Rates		Proposed Rates	
Customer Charge		$135.00		$135.00	
RE Growth Factor		$3.37		$3.37	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.59		$3.59	
Transmission Energy Charge	kWh x	$0.01068		$0.01068	
Distribution Demand Charge-xcs 10 kW	kW x	$5.58		$5.58	
Distribution Energy Charge	kWh x	$0.00733		$0.00733	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.08396		$0.08396	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 400

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	8000	$522.22	$671.68	$49.75	$1,243.65	$554.94	$671.68	$51.11	$1,277.73	$32.72	$0.00	$1.36	$34.08	2.6%	0.0%	0.1%	2.7%
50	20000	$1,180.60	$1,679.20	$119.16	$2,978.96	$1,262.40	$1,679.20	$122.57	$3,064.17	$81.80	$0.00	$3.41	$85.21	2.7%	0.0%	0.1%	2.9%
100	40000	$2,277.90	$3,358.40	$234.85	$5,871.15	$2,441.50	$3,358.40	$241.66	$6,041.56	$163.60	$0.00	$6.81	$170.41	2.8%	0.0%	0.1%	2.9%
150	60000	$3,375.20	$5,037.60	$350.53	$8,763.33	$3,620.60	$5,037.60	$360.76	$9,018.96	$245.40	$0.00	$10.23	$255.63	2.8%	0.0%	0.1%	2.9%

		Present Rates		Proposed Rates	
Customer Charge		$135.00		$135.00	
RE Growth Factor		$3.37		$3.37	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.59		$3.59	
Transmission Energy Charge	kWh x	$0.01068		$0.01068	
Distribution Demand Charge-xcs 10 kW	kW x	$5.58		$5.58	
Distribution Energy Charge	kWh x	$0.00733		$0.00733	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.08396		$0.08396	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 500

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	10000	$586.10	$839.60	$59.40	$1,485.10	$627.00	$839.60	$61.11	$1,527.71	$40.90	$0.00	$1.71	$42.61	2.8%	0.0%	0.1%	2.9%
50	25000	$1,340.30	$2,099.00	$143.30	$3,582.60	$1,442.55	$2,099.00	$147.56	$3,689.11	$102.25	$0.00	$4.26	$106.51	2.9%	0.0%	0.1%	3.0%
100	50000	$2,597.30	$4,198.00	$283.14	$7,078.44	$2,801.80	$4,198.00	$291.66	$7,291.46	$204.50	$0.00	$8.52	$213.02	2.9%	0.0%	0.1%	3.0%
150	75000	$3,854.30	$6,297.00	$422.97	$10,574.27	$4,161.05	$6,297.00	$435.75	$10,893.80	$306.75	$0.00	$12.78	$319.53	2.9%	0.0%	0.1%	3.0%

		Present Rates		Proposed Rates	
Customer Charge		$135.00		$135.00	
RE Growth Factor		$3.37		$3.37	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.59		$3.59	
Transmission Energy Charge	kWh x	$0.01068		$0.01068	
Distribution Demand Charge-xcs 10 kW	kW x	$5.58		$5.58	
Distribution Energy Charge	kWh x	$0.00733		$0.00733	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.08396		$0.08396	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 600

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	12000	$649.98	$1,007.52	$69.06	$1,726.56	$699.06	$1,007.52	$71.11	$1,777.69	$49.08	$0.00	$2.05	$51.13	2.8%	0.0%	0.1%	3.0%
50	30000	$1,500.00	$2,518.80	$167.45	$4,186.25	$1,622.70	$2,518.80	$172.56	$4,314.06	$122.70	$0.00	$5.11	$127.81	2.9%	0.0%	0.1%	3.1%
100	60000	$2,916.70	$5,037.60	$331.43	$8,285.73	$3,162.10	$5,037.60	$341.65	$8,541.35	$245.40	$0.00	$10.22	$255.62	3.0%	0.0%	0.1%	3.1%
150	90000	$4,333.40	$7,556.40	$495.41	$12,385.21	$4,701.50	$7,556.40	$510.75	$12,768.65	$368.10	$0.00	$15.34	$383.44	3.0%	0.0%	0.1%	3.1%

		Present Rates		Proposed Rates	
Customer Charge		$135.00		$135.00	
RE Growth Factor		$3.37		$3.37	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.59		$3.59	
Transmission Energy Charge	kWh x	$0.01068		$0.01068	
Distribution Demand Charge-xcs 10 kW	kW x	$5.58		$5.58	
Distribution Energy Charge	kWh x	$0.00733		$0.00733	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.08396		$0.08396	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 200

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	40,000	$2,927.42	$1,998.40	$205.24	$5,131.06	$3,091.02	$1,998.40	$212.06	$5,301.48	$163.60	$0.00	$6.82	$170.42	3.2%	0.0%	0.1%	3.3%
750	150,000	$11,081.72	$7,494.00	$773.99	$19,349.71	$11,695.22	$7,494.00	$799.55	$19,988.77	$613.50	$0.00	$25.56	$639.06	3.2%	0.0%	0.1%	3.3%
1,000	200,000	$14,788.22	$9,992.00	$1,032.51	$25,812.73	$15,606.22	$9,992.00	$1,066.59	$26,664.81	$818.00	$0.00	$34.08	$852.08	3.2%	0.0%	0.1%	3.3%
1,500	300,000	$22,201.22	$14,988.00	$1,549.55	$38,738.77	$23,428.22	$14,988.00	$1,600.68	$40,016.90	$1,227.00	$0.00	$51.13	$1,278.13	3.2%	0.0%	0.1%	3.3%
2,500	500,000	$37,027.22	$24,980.00	$2,583.63	$64,590.85	$39,072.22	$24,980.00	$2,668.84	$66,721.06	$2,045.00	$0.00	$85.21	$2,130.21	3.2%	0.0%	0.1%	3.3%

		Present Rates		Proposed Rates	
Customer Charge		$825.00		$825.00	
RE Growth Factor		$24.49		$24.49	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.97		$3.97	
Transmission Energy Charge	kWh x	$0.01047		$0.01047	
Distribution Demand Charge-xcs 10 kW	kW x	$4.44		$4.44	
Distribution Energy Charge	kWh x	$0.00768		$0.00768	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.04996		$0.04996	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 300

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	60,000	$3,569.02	$2,997.60	$273.61	$6,840.23	$3,814.42	$2,997.60	$283.83	$7,095.85	$245.40	$0.00	$10.22	$255.62	3.6%	0.0%	0.1%	3.7%
750	225,000	$13,487.72	$11,241.00	$1,030.36	$25,759.08	$14,407.97	$11,241.00	$1,068.71	$26,717.68	$920.25	$0.00	$38.35	$958.60	3.6%	0.0%	0.1%	3.7%
1,000	300,000	$17,996.22	$14,988.00	$1,374.34	$34,358.56	$19,223.22	$14,988.00	$1,425.47	$35,636.69	$1,227.00	$0.00	$51.13	$1,278.13	3.6%	0.0%	0.1%	3.7%
1,500	450,000	$27,013.22	$22,482.00	$2,062.30	$51,557.52	$28,853.72	$22,482.00	$2,138.99	$53,474.71	$1,840.50	$0.00	$76.69	$1,917.19	3.6%	0.0%	0.1%	3.7%
2,500	750,000	$45,047.22	$37,470.00	$3,438.22	$85,955.44	$48,114.72	$37,470.00	$3,566.03	$89,150.75	$3,067.50	$0.00	$127.81	$3,195.31	3.6%	0.0%	0.1%	3.7%

		Present Rates		Proposed Rates	
Customer Charge		$825.00		$825.00	
RE Growth Factor		$24.49		$24.49	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.97		$3.97	
Transmission Energy Charge	kWh x	$0.01047		$0.01047	
Distribution Demand Charge-xcs 10 kW	kW x	$4.44		$4.44	
Distribution Energy Charge	kWh x	$0.00768		$0.00768	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.04996		$0.04996	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 400

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	80,000	$4,210.62	$3,996.80	$341.98	$8,549.40	$4,537.82	$3,996.80	$355.61	$8,890.23	$327.20	$0.00	$13.63	$340.83	3.8%	0.0%	0.2%	4.0%
750	300,000	$15,893.72	$14,988.00	$1,286.74	$32,168.46	$17,120.72	$14,988.00	$1,337.86	$33,446.58	$1,227.00	$0.00	$51.12	$1,278.12	3.8%	0.0%	0.2%	4.0%
1,000	400,000	$21,204.22	$19,984.00	$1,716.18	$42,904.40	$22,840.22	$19,984.00	$1,784.34	$44,608.56	$1,636.00	$0.00	$68.16	$1,704.16	3.8%	0.0%	0.2%	4.0%
1,500	600,000	$31,825.22	$29,976.00	$2,575.05	$64,376.27	$34,279.22	$29,976.00	$2,677.30	$66,932.52	$2,454.00	$0.00	$102.25	$2,556.25	3.8%	0.0%	0.2%	4.0%
2,500	1,000,000	$53,067.22	$49,960.00	$4,292.80	$107,320.02	$57,157.22	$49,960.00	$4,463.22	$111,580.44	$4,090.00	$0.00	$170.42	$4,260.42	3.8%	0.0%	0.2%	4.0%

		Present Rates		Proposed Rates	
Customer Charge		$825.00		$825.00	
RE Growth Factor		$24.49		$24.49	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.97		$3.97	
Transmission Energy Charge	kWh x	$0.01047		$0.01047	
Distribution Demand Charge-xcs 10 kW	kW x	$4.44		$4.44	
Distribution Energy Charge	kWh x	$0.00768		$0.00768	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.04996		$0.04996	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 500

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	100,000	$4,852.22	$4,996.00	$410.34	$10,258.56	$5,261.22	$4,996.00	$427.38	$10,684.60	$409.00	$0.00	$17.04	$426.04	4.0%	0.0%	0.2%	4.2%
750	375,000	$18,299.72	$18,735.00	$1,543.11	$38,577.83	$19,833.47	$18,735.00	$1,607.02	$40,175.49	$1,533.75	$0.00	$63.91	$1,597.66	4.0%	0.0%	0.2%	4.1%
1,000	500,000	$24,412.22	$24,980.00	$2,058.01	$51,450.23	$26,457.22	$24,980.00	$2,143.22	$53,580.44	$2,045.00	$0.00	$85.21	$2,130.21	4.0%	0.0%	0.2%	4.1%
1,500	750,000	$36,637.22	$37,470.00	$3,087.80	$77,195.02	$39,704.72	$37,470.00	$3,215.61	$80,390.33	$3,067.50	$0.00	$127.81	$3,195.31	4.0%	0.0%	0.2%	4.1%
2,500	1,250,000	$61,087.22	$62,450.00	$5,147.38	$128,684.60	$66,199.72	$62,450.00	$5,360.41	$134,010.13	$5,112.50	$0.00	$213.03	$5,325.53	4.0%	0.0%	0.2%	4.1%

		Present Rates		Proposed Rates	
Customer Charge		$825.00		$825.00	
RE Growth Factor		$24.49		$24.49	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.97		$3.97	
Transmission Energy Charge	kWh x	$0.01047		$0.01047	
Distribution Demand Charge-xcs 10 kW	kW x	$4.44		$4.44	
Distribution Energy Charge	kWh x	$0.00768		$0.00768	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.04996		$0.04996	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 600

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	120,000	$5,493.82	$5,995.20	$478.71	$11,967.73	$5,984.62	$5,995.20	$499.16	$12,478.98	$490.80	$0.00	$20.45	$511.25	4.1%	0.0%	0.2%	4.3%
750	450,000	$20,705.72	$22,482.00	$1,799.49	$44,987.21	$22,546.22	$22,482.00	$1,876.18	$46,904.40	$1,840.50	$0.00	$76.69	$1,917.19	4.1%	0.0%	0.2%	4.3%
1,000	600,000	$27,620.22	$29,976.00	$2,399.84	$59,996.06	$30,074.22	$29,976.00	$2,502.09	$62,552.31	$2,454.00	$0.00	$102.25	$2,556.25	4.1%	0.0%	0.2%	4.3%
1,500	900,000	$41,449.22	$44,964.00	$3,600.55	$90,013.77	$45,130.22	$44,964.00	$3,753.93	$93,848.15	$3,681.00	$0.00	$153.38	$3,834.38	4.1%	0.0%	0.2%	4.3%
2,500	1,500,000	$69,107.22	$74,940.00	$6,001.97	$150,049.19	$75,242.22	$74,940.00	$6,257.59	$156,439.81	$6,135.00	$0.00	$255.62	$6,390.62	4.1%	0.0%	0.2%	4.3%

		Present Rates		Proposed Rates	
Customer Charge		$825.00		$825.00	
RE Growth Factor		$24.49		$24.49	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.97		$3.97	
Transmission Energy Charge	kWh x	$0.01047		$0.01047	
Distribution Demand Charge-xcs 10 kW	kW x	$4.44		$4.44	
Distribution Energy Charge	kWh x	$0.00768		$0.00768	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.04996		$0.04996	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 200

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	600,000	$56,258.03	$29,976.00	$3,593.08	$89,827.11	$58,712.03	$29,976.00	$3,695.33	$92,383.36	$2,454.00	$0.00	$102.25	$2,556.25	2.7%	0.0%	0.1%	2.8%
5,000	1,000,000	$82,070.03	$49,960.00	$5,501.25	$137,531.28	$86,160.03	$49,960.00	$5,671.67	$141,791.70	$4,090.00	$0.00	$170.42	$4,260.42	3.0%	0.0%	0.1%	3.1%
7,500	1,500,000	$114,335.03	$74,940.00	$7,886.46	$197,161.49	$120,470.03	$74,940.00	$8,142.08	$203,552.11	$6,135.00	$0.00	$255.62	$6,390.62	3.1%	0.0%	0.1%	3.2%
10,000	2,000,000	$146,600.03	$99,920.00	$10,271.67	$256,791.70	$154,780.03	$99,920.00	$10,612.50	$265,312.53	$8,180.00	$0.00	$340.83	$8,520.83	3.2%	0.0%	0.1%	3.3%
20,000	4,000,000	$275,660.03	$199,840.00	$19,812.50	$495,312.53	$292,020.03	$199,840.00	$20,494.17	$512,354.20	$16,360.00	$0.00	$681.67	$17,041.67	3.3%	0.0%	0.1%	3.4%

		Present Rates		Proposed Rates	
Customer Charge		$17,000.00		$17,000.00	
RE Growth Factor		$539.30		$539.30	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.22		$3.22	
Transmission Energy Charge	kWh x	$0.01378		$0.01378	
Distribution Demand Charge-xcs 10 kW	kW x	$3.81		$3.81	
Distribution Energy Charge	kWh x	$0.00167		$0.00167	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.04996		$0.04996	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 300

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	900,000	$65,072.03	$44,964.00	$4,584.83	$114,620.86	$68,753.03	$44,964.00	$4,738.21	$118,455.24	$3,681.00	$0.00	$153.38	$3,834.38	3.2%	0.0%	0.1%	3.3%
5,000	1,500,000	$96,760.03	$74,940.00	$7,154.17	$178,854.20	$102,895.03	$74,940.00	$7,409.79	$185,244.82	$6,135.00	$0.00	$255.62	$6,390.62	3.4%	0.0%	0.1%	3.6%
7,500	2,250,000	$136,370.03	$112,410.00	$10,365.83	$259,145.86	$145,572.53	$112,410.00	$10,749.27	$268,731.80	$9,202.50	$0.00	$383.44	$9,585.94	3.6%	0.0%	0.1%	3.7%
10,000	3,000,000	$175,980.03	$149,880.00	$13,577.50	$339,437.53	$188,250.03	$149,880.00	$14,088.75	$352,218.78	$12,270.00	$0.00	$511.25	$12,781.25	3.6%	0.0%	0.2%	3.8%
20,000	6,000,000	$334,420.03	$299,760.00	$26,424.17	$660,604.20	$358,960.03	$299,760.00	$27,446.67	$686,166.70	$24,540.00	$0.00	$1,022.50	$25,562.50	3.7%	0.0%	0.2%	3.9%

		Present Rates		Proposed Rates	
Customer Charge		$17,000.00		$17,000.00	
RE Growth Factor		$539.30		$539.30	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.22		$3.22	
Transmission Energy Charge	kWh x	$0.01378		$0.01378	
Distribution Demand Charge-xcs 10 kW	kW x	$3.81		$3.81	
Distribution Energy Charge	kWh x	$0.00167		$0.00167	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.04996		$0.04996	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 400

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	1,200,000	$73,886.03	$59,952.00	$5,576.58	$139,414.61	$78,794.03	$59,952.00	$5,781.08	$144,527.11	$4,908.00	$0.00	$204.50	$5,112.50	3.5%	0.0%	0.1%	3.7%
5,000	2,000,000	$111,450.03	$99,920.00	$8,807.08	$220,177.11	$119,630.03	$99,920.00	$9,147.92	$228,697.95	$8,180.00	$0.00	$340.84	$8,520.84	3.7%	0.0%	0.2%	3.9%
7,500	3,000,000	$158,405.03	$149,880.00	$12,845.21	$321,130.24	$170,675.03	$149,880.00	$13,356.46	$333,911.49	$12,270.00	$0.00	$511.25	$12,781.25	3.8%	0.0%	0.2%	4.0%
10,000	4,000,000	$205,360.03	$199,840.00	$16,883.33	$422,083.36	$221,720.03	$199,840.00	$17,565.00	$439,125.03	$16,360.00	$0.00	$681.67	$17,041.67	3.9%	0.0%	0.2%	4.0%
20,000	8,000,000	$393,180.03	$399,680.00	$33,035.83	$825,895.86	$425,900.03	$399,680.00	$34,399.17	$859,979.20	$32,720.00	$0.00	$1,363.34	$34,083.34	4.0%	0.0%	0.2%	4.1%

		Present Rates		Proposed Rates	
Customer Charge		$17,000.00		$17,000.00	
RE Growth Factor		$539.30		$539.30	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.22		$3.22	
Transmission Energy Charge	kWh x	$0.01378		$0.01378	
Distribution Demand Charge-xcs 10 kW	kW x	$3.81		$3.81	
Distribution Energy Charge	kWh x	$0.00167		$0.00167	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.04996		$0.04996	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 500

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	1,500,000	$82,700.03	$74,940.00	$6,568.33	$164,208.36	$88,835.03	$74,940.00	$6,823.96	$170,598.99	$6,135.00	$0.00	$255.63	$6,390.63	3.7%	0.0%	0.2%	3.9%
5,000	2,500,000	$126,140.03	$124,900.00	$10,460.00	$261,500.03	$136,365.03	$124,900.00	$10,886.04	$272,151.07	$10,225.00	$0.00	$426.04	$10,651.04	3.9%	0.0%	0.2%	4.1%
7,500	3,750,000	$180,440.03	$187,350.00	$15,324.58	$383,114.61	$195,777.53	$187,350.00	$15,963.65	$399,091.18	$15,337.50	$0.00	$639.07	$15,976.57	4.0%	0.0%	0.2%	4.2%
10,000	5,000,000	$234,740.03	$249,800.00	$20,189.17	$504,729.20	$255,190.03	$249,800.00	$21,041.25	$526,031.28	$20,450.00	$0.00	$852.08	$21,302.08	4.1%	0.0%	0.2%	4.2%
20,000	10,000,000	$451,940.03	$499,600.00	$39,647.50	$991,187.53	$492,840.03	$499,600.00	$41,351.67	$1,033,791.70	$40,900.00	$0.00	$1,704.17	$42,604.17	4.1%	0.0%	0.2%	4.3%

		Present Rates		Proposed Rates	
Customer Charge		$17,000.00		$17,000.00	
RE Growth Factor		$539.30		$539.30	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.22		$3.22	
Transmission Energy Charge	kWh x	$0.01378		$0.01378	
Distribution Demand Charge-xcs 10 kW	kW x	$3.81		$3.81	
Distribution Energy Charge	kWh x	$0.00167		$0.00167	
Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.04996		$0.04996	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 600

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
										$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	1,800,000	$91,514.03	$89,928.00	$7,560.08	$189,002.11	$98,876.03	$89,928.00	$7,866.83	$196,670.86	$7,362.00	$0.00	$306.75	$7,668.75	3.9%	0.0%	0.2%	4.1%
5,000	3,000,000	$140,830.03	$149,880.00	$12,112.92	$302,822.95	$153,100.03	$149,880.00	$12,624.17	$315,604.20	$12,270.00	$0.00	$511.25	$12,781.25	4.1%	0.0%	0.2%	4.2%
7,500	4,500,000	$202,475.03	$224,820.00	$17,803.96	$445,098.99	$220,880.03	$224,820.00	$18,570.83	$464,270.86	$18,405.00	$0.00	$766.87	$19,171.87	4.1%	0.0%	0.2%	4.3%
10,000	6,000,000	$264,120.03	$299,760.00	$23,495.00	$587,375.03	$288,660.03	$299,760.00	$24,517.50	$612,937.53	$24,540.00	$0.00	$1,022.50	$25,562.50	4.2%	0.0%	0.2%	4.4%
20,000	12,000,000	$510,700.03	$599,520.00	$46,259.17	$1,156,479.20	$559,780.03	$599,520.00	$48,304.17	$1,207,604.20	$49,080.00	$0.00	$2,045.00	$51,125.00	4.2%	0.0%	0.2%	4.4%

		Present Rates		Proposed Rates	
Customer Charge		$17,000.00		$17,000.00	
RE Growth Factor		$539.30		$539.30	
LIHEAP Charge		$0.73		$0.73	
Transmission Demand Charge	kW x	$3.22		$3.22	
Transmission Energy Charge	kWh x	$0.01378		$0.01378	
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Transition Energy Charge	kWh x	($0.00058)		($0.00058)	
Energy Efficiency Program Charge	kWh x	$0.01107		$0.01107	
Renewable Energy Distribution Charge	kWh x	$0.00344	(1)	$0.00753	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	$0.04996		$0.04996	

Note (1): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the current LTCRER Recovery Factor of 0.221¢/kWh

Note (2): includes the current Net Metering Charge of 0.007¢/kWh, the current LTCRER Reconciliation Factor of 0.116¢/kWh, and the proposed LTCRER Recovery Factor of 0.630¢/kWh

PUC 1-2

Request:

Will output during commissioning and testing of the Block Island project go through the tariff?

a. If yes, what is the cost of energy produced during testing?
b. If yes, when will the output appear?
c. Please show an example of any relevant calculations if different from the purchases after commercial operation.

Response:

a. No, the cost of energy is not recovered through this tariff. The Company will pay the Real Time Locational Marginal Price at the Delivery Point as determined by ISO-NE for the energy delivered prior to commercial operation. The Company will have received this payment from the ISO-NE, and the Company will pass it through to the project. There is no cost to customers. If the project does deliver energy prior to commercial operation, it must also deliver the associated Renewable Energy Certificates (RECs). The price for RECs will be the average of two environmental broker quotes for RECs from New Renewable Energy Resources for the vintage year. These RECs will be used to satisfy the Company's Standard Offer Service customers' Renewable Energy Standard (RES) obligation. Therefore the cost of the RECs will be recovered through the annual Renewable Energy Standard Charge and reconciliation.

b. As mentioned previously, the cost for energy delivered prior to commercial operation is not recovered through the tariff. This project is expected to become operational late in the 4th quarter of 2016 and the Company will receive the RECs in April 2017. An estimate for the REC cost will be included in the Renewable Energy Standard Charge filed in February 2017 and will be reconciled in the following year's filing.

c. Example: Project generates 1,000 MWh prior to commercial operation

National Grid receives from ISO-NE		
Generation	1,000	MWh
Average LMP	$28	
	$28,000	

Prepared by or under the supervision of: James Ruebenacker and Adam S. Crary

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National Grid pays this $28,000 to the project. Costs are not recovered through the tariff.

National Grid receives RECs and pays Project		
Generation	1,000	MWh
RECs	1,000	
Broker quotes	$20	
	$20,000	

National Grid pays this $20,000 to the project. The $20,000 cost is recovered through the RES Charge.