## KEEGAN WERLIN LLP

ATTORNEYS AT LAW 265 FRANKLIN STREET BOSTON, MASSACHUSETTS 02110-3113

> (617) 951-1354 (617) 951-0586

TELECOPIERS:

(617) 951-1400

January 19, 2018

### BY HAND DELIVERY

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

Docket 4764 – In Re: Review of PPAs Under R.I.G.L. §39-26-1 Re:

Responses to Office of Energy Resources Data Requests – OER 1-1

Dear Ms. Massaro:

On behalf of National Grid,1 please find National Grid's response to Data Request OER 1-1.

Thank you for your attention to matter. If you have any questions, please contact me at (617) 951-1400, or Jennifer Brooks Hutchinson at 401-784-7685.

Very truly yours,

Jessica Buno Ralston

**Enclosures** 

The Narragansett Electric Company d/b/a National Grid.

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4764 In Re: Request for Approval of Eight Long-Term Renewable Energy Contracts Responses to Office of Energy Resources' First Set of Data Requests Issued on January 5, 2017

## OER 1-1

## Request:

Please provide a breakdown and calculation of typical monthly bills that will be illustrative of the rate impacts of the proposed purchase power agreements across Rhode Island customer classes.

## Response:

Please see Attachment OER 1-1 for typical bill impacts of the proposed power purchase agreements across the Company's customer classes. The illustrative bill impacts are based upon the illustrative adjustment to the Long Term Contracting Renewable Energy Recovery Factor of (\$0.00044) per kWh which the Company presented in its response to PUC 1-18.

# Calculation of Monthly Typical Bill Total Bill Impact of Illustrative Adjustment to LTCRER Factor Associated with CERFP RI PPAs Rates Applicable to A-16 Rate Customers

		Present l	Rates			Proposed	Rates			\$ Increase (	Decrease)		In	crease (Decrease	e) % of Total Bill		Percentage
Monthly	Delivery	Supply			Delivery	Supply			Delivery	Supply			Delivery	Supply			of Customers
kWh	Services	Services	GET	Total	Services	Services	GET	Total	Services	Services	GET	Total	Services	Services	GET	Total	
(a)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(1)	(m)	(n)
150	\$20.36	\$14.27	\$1.44	\$36.07	\$20.30	\$14.27	\$1.44	\$36.01	(\$0.06)	\$0.00	\$0.00	(\$0.06)	-0.2%	0.0%	0.0%	-0.2%	30.1%
300	\$34.14	\$28.55	\$2.61	\$65.30	\$34.01	\$28.55	\$2.61	\$65.17	(\$0.13)	\$0.00	\$0.00	(\$0.13)	-0.2%	0.0%	0.0%	-0.2%	12.9%
400	\$43.32	\$38.06	\$3.39	\$84.77	\$43.15	\$38.06	\$3.38	\$84.59	(\$0.17)	\$0.00	(\$0.01)	(\$0.18)	-0.2%	0.0%	0.0%	-0.2%	11.6%
500	\$52.51	\$47.58	\$4.17	\$104.26	\$52.29	\$47.58	\$4.16	\$104.03	(\$0.22)	\$0.00	(\$0.01)	(\$0.23)	-0.2%	0.0%	0.0%	-0.2%	9.6%
600	\$61.69	\$57.09	\$4.95	\$123.73	\$61.42	\$57.09	\$4.94	\$123.45	(\$0.27)	\$0.00	(\$0.01)	(\$0.28)	-0.2%	0.0%	0.0%	-0.2%	7.7%
700	\$70.87	\$66.61	\$5.73	\$143.21	\$70.56	\$66.61	\$5.72	\$142.89	(\$0.31)	\$0.00	(\$0.01)	(\$0.32)	-0.2%	0.0%	0.0%	-0.2%	19.0%
1,200	\$116.79	\$114.18	\$9.62	\$240.59	\$116.26	\$114.18	\$9.60	\$240.04	(\$0.53)	\$0.00	(\$0.02)	(\$0.55)	-0.2%	0.0%	0.0%	-0.2%	6.8%
2,000	\$190.25	\$190.30	\$15.86	\$396.41	\$189.37	\$190.30	\$15.82	\$395.49	(\$0.88)	\$0.00	(\$0.04)	(\$0.92)	-0.2%	0.0%	0.0%	-0.2%	2.3%

Ţ	Present Rates	Proposed Rates	Line Item on Bill
	(0)	(p)	
(1) Distribution Customer Charge	\$5.00	\$5.00	Customer Charge
(2) LIHEAP Enhancement Charge	\$0.81	\$0.81	LIHEAP Enhancement Charge
(3) Renewable Energy Growth Charge	\$0.78	\$0.78	RE Growth Program
(4) Distribution Charge (per kWh)	\$0.03664	\$0.03664	
(5) Operating & Maintenance Expense Charge	\$0.00163	\$0.00163	
(6) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)	
(7) FY18 CapEx Factor Charge	\$0.00288	\$0.00288	Distribution France Change
(8) CapEx Reconciliation Factor	(\$0.00135)	(\$0.00135)	Distribution Energy Charge
(9) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118	
(10) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)	
(11) Storm Fund Replenishment Factor	\$0.00288	\$0.00288	
(12) Long-term Contracting for Renewable Energy Charge	\$0.00622	\$0.00578	D III D'A' C
(13) Net Metering Charge	\$0.00023	\$0.00023	Renewable Energy Distribution Charge
(14) Base Transmission Charge	\$0.03169	\$0.03169	
(15) Transmission Adjustment Factor	(\$0.00029)	(\$0.00029)	Transmission Charge
(16) Transmission Uncollectible Factor	\$0.00039	\$0.00039	
(17) Base Transition Charge	\$0.00009	\$0.00009	T ::
(18) Transition Adjustment	\$0.00048	\$0.00048	Transition Charge
(19) Energy Efficiency Program Charge	\$0.01002	\$0.01002	Energy Efficiency Programs
(20) Standard Offer Service Base Charge	\$0.09792	\$0.09792	
(21) SOS Adjustment Factor	(\$0.00465)	(\$0.00465)	Supply Services Energy Charge
(22) SOS Adminstrative Cost Adjustment Factor	\$0.00148	\$0.00148	Supply Services Energy Charge
(23) Renewable Energy Standard Charge	\$0.00040	\$0.00040	
Line Item on Bill			
(24) Customer Charge	\$5.00	\$5.00	
(25) LIHEAP Enhancement Charge	\$0.81	\$0.81	
(26) RE Growth Program	\$0.78	\$0.78	
(27) Transmission Charge kWh x	\$0.03179	\$0.03179	
(28) Distribution Energy Charge kWh x	\$0.04300	\$0.04300	
(29) Transition Charge kWh x	\$0.00057	\$0.00057	
(30) Energy Efficiency Programs kWh x	\$0.01002	\$0.01002	
(31) Renewable Energy Distribution Charge kWh x	\$0.00645	\$0.00601	
(32) Supply Services Energy Charge kWh x	\$0.09515	\$0.09515	

Column (o): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 1/11/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/1/2018

Column (p): Lines (1) through (11) and (13) through (19): Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, effective 1/11/2018

Line (12): Line (12) Column (a) + Illustrative Adjustment to Long Term Contracting Renewable Energy Recovery Factor (LTCRER) of (\$0.00044) per Line (7) of Attachment PUC 1-18

Lines (20) through (23): Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/1/2018

In Re: Request for Approval of Eight Long-Term Renewable Energy Contracts
Responses to Office of Energy Resources' First Set of Data Requests RIPUC Docket No. 4764 Attachment OER 1-1 Page 1 of 6

The Narragansett Electric Company d/b/a National Grid

#### Calculation of Monthly Typical Bill Total Bill Impact of Illustrative Adjustment to LTCRER Factor Associated with CERFP RI PPAs Rates Applicable to A-60 Rate Customers

		Present I	Rates			Proposed	Rates			\$ Increase (l	Decrease)		In	crease (Decrease	) % of Total Bill		Percentage
Monthly	Delivery	Supply			Delivery	Supply			Delivery	Supply			Delivery	Supply			of Customers
kWh	Services	Services	GET	Total	Services	Services	GET	Total	Services	Services	GET	Total	Services	Services	GET	Total	
(a)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(1)	(m)	(n)
150	\$13.34	\$14.27	\$1.15	\$28.76	\$13.28	\$14.27	\$1.15	\$28.70	(\$0.06)	\$0.00	\$0.00	(\$0.06)	-0.2%	0.0%	0.0%	-0.2%	32.1%
300	\$25.10	\$28.55	\$2.24	\$55.89	\$24.97	\$28.55	\$2.23	\$55.75	(\$0.13)	\$0.00	(\$0.01)	(\$0.14)	-0.2%	0.0%	0.0%	-0.3%	15.4%
400	\$32.93	\$38.06	\$2.96	\$73.95	\$32.76	\$38.06	\$2.95	\$73.77	(\$0.17)	\$0.00	(\$0.01)	(\$0.18)	-0.2%	0.0%	0.0%	-0.2%	12.5%
500	\$40.77	\$47.58	\$3.68	\$92.03	\$40.55	\$47.58	\$3.67	\$91.80	(\$0.22)	\$0.00	(\$0.01)	(\$0.23)	-0.2%	0.0%	0.0%	-0.2%	9.6%
600	\$48.61	\$57.09	\$4.40	\$110.10	\$48.34	\$57.09	\$4.39	\$109.82	(\$0.27)	\$0.00	(\$0.01)	(\$0.28)	-0.2%	0.0%	0.0%	-0.3%	7.2%
700	\$56.44	\$66.61	\$5.13	\$128.18	\$56.13	\$66.61	\$5.11	\$127.85	(\$0.31)	\$0.00	(\$0.02)	(\$0.33)	-0.2%	0.0%	0.0%	-0.3%	16.4%
1,200	\$95.62	\$114.18	\$8.74	\$218.54	\$95.09	\$114.18	\$8.72	\$217.99	(\$0.53)	\$0.00	(\$0.02)	(\$0.55)	-0.2%	0.0%	0.0%	-0.3%	5.2%
2,000	\$158.31	\$190.30	\$14.53	\$363.14	\$157.43	\$190.30	\$14.49	\$362.22	(\$0.88)	\$0.00	(\$0.04)	(\$0.92)	-0.2%	0.0%	0.0%	-0.3%	1.6%

		Present Rates	Proposed Rates	Line Item on Bill
		(0)	(p)	
(1)	Distribution Customer Charge	\$0.00	\$0.00	Customer Charge
(2)	LIHEAP Enhancement Charge	\$0.81	\$0.81	LIHEAP Enhancement Charge
(3)	Renewable Energy Growth Charge	\$0.78	\$0.78	Renewable Energy Growth Charge
(4)	Distribution Charge (per kWh)	\$0.02317	\$0.02317	
(5)	Operating & Maintenance Expense Charge	\$0.00163	\$0.00163	
(6)	Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)	
(7)	FY18 CapEx Factor Charge	\$0.00288	\$0.00288	Division F
(8)	CapEx Reconciliation Factor	(\$0.00135)	(\$0.00135)	Distribution Energy Charge
(9)	Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118	
(10)	Pension Adjustment Factor	(\$0.00085)	(\$0.00085)	
(11)	Storm Fund Replenishment Factor	\$0.00288	\$0.00288	
(12)	Long-term Contracting for Renewable Energy Charge	\$0.00622	\$0.00578	Described Forman Distribution Change
(13)	Net Metering Charge	\$0.00023	\$0.00023	Renewable Energy Distribution Charge
(14)	Base Transmission Charge	\$0.03169	\$0.03169	
(15)	Transmission Adjustment Factor	(\$0.00029)	(\$0.00029)	Transmission Charge
(16)	Transmission Uncollectible Factor	\$0.00039	\$0.00039	
(17)	Base Transition Charge	\$0.00009	\$0.00009	Titi Cl
(18)	Transition Adjustment	\$0.00048	\$0.00048	Transition Charge
(19)	Energy Efficiency Program Charge	\$0.01002	\$0.01002	Energy Efficiency Programs
(20)	Standard Offer Service Base Charge	\$0.09792	\$0.09792	
(21)	SOS Adjustment Factor	(\$0.00465)	(\$0.00465)	Supply Services Energy Charge
(22)	SOS Adminstrative Cost Adjustment Factor	\$0.00148	\$0.00148	Supply Services Energy Charge
(23)	Renewable Energy Standard Charge	\$0.00040	\$0.00040	
	Line Item on Bill			
(24)	Customer Charge	\$0.00	\$0.00	
	LIHEAP Enhancement Charge	\$0.81	\$0.81	
	RE Growth Program	\$0.78	\$0.78	
	Transmission Charge	\$0.03179	\$0.03179	
	Distribution Energy Charge	\$0.02953	\$0.02953	
	Transition Charge	\$0.00057	\$0.00057	
	Energy Efficiency Programs	\$0.01002	\$0.01002	
	Renewable Energy Distribution Charge	\$0.00645	\$0.00601	
(32)	Supply Services Energy Charge	\$0.09515	\$0.09515	

In Re: Request for Approval of Eight Long-Term Renewable Energy Contracts
Responses to Office of Energy Resources' First Set of Data Requests RIPUC Docket No. 4764 Attachment OER 1-1

Page 2 of 6

The Narragansett Electric Company d/b/a National Grid

Column (o): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 1/11/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/1/2018 Column (p): Lines (1) through (11) and (13) through (19): Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, effective 1/11/2018 Line (12): Line 12 Column (a) + Illustrative Adjustment to Long Term Contracting Renewable Energy Recovery Factor (LTCRER) of (\$0.00044) per Line (7) of Attachment PUC 1-18

Lines (20) through (23): Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/1/2018

# Calculation of Monthly Typical Bill Total Bill Impact of Illustrative Adjustment to LTCRER Factor Associated with CERFP RI PPAs Rates Applicable to C-06 Rate Customers

		Present I	Rates			Proposed	Rates			\$ Increase (I	Decrease)		In	crease (Decrease	e) % of Total Bil	l	Percentage
Monthly	Delivery	Supply			Delivery	Supply			Delivery	Supply			Delivery	Supply			of Customers
kWh	Services	Services	GET	Total	Services	Services	GET	Total	Services	Services	GET	Total	Services	Services	GET	Total	
(a)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(1)	(m)	(n)
250	\$33.16	\$23.38	\$2.36	\$58.90	\$33.05	\$19.82	\$2.20	\$55.07	(\$0.11)	(\$3.56)	(\$0.16)	(\$3.83)	-0.2%	-6.0%	-0.3%	-6.5%	56.3%
500	\$54.24	\$46.75	\$4.21	\$105.20	\$54.02	\$39.63	\$3.90	\$97.55	(\$0.22)	(\$7.12)	(\$0.31)	(\$7.65)	-0.2%	-6.8%	-0.3%	-7.3%	16.9%
1,000	\$96.41	\$93.50	\$7.91	\$197.82	\$95.97	\$79.26	\$7.30	\$182.53	(\$0.44)	(\$14.24)	(\$0.61)	(\$15.29)	-0.2%	-7.2%	-0.3%	-7.7%	8.1%
1,500	\$138.58	\$140.25	\$11.62	\$290.45	\$137.92	\$118.89	\$10.70	\$267.51	(\$0.66)	(\$21.36)	(\$0.92)	(\$22.94)	-0.2%	-7.4%	-0.3%	-7.9%	5.0%
2,000	\$180.75	\$187.00	\$15.32	\$383.07	\$179.87	\$158.52	\$14.10	\$352.49	(\$0.88)	(\$28.48)	(\$1.22)	(\$30.58)	-0.2%	-7.4%	-0.3%	-8.0%	13.6%

	Present Rates	Proposed Rates	Line Item on Bill
	(0)	(p)	
(1) Distribution Customer Charge	\$10.00	\$10.00	Customer Charge
(2) LIHEAP Enhancement Charge	\$0.81	\$0.81	RE Growth Program
(3) Renewable Energy Growth Charge	\$1.26	\$1.26	LIHEAP Enhancement Charge
(4) Distribution Charge (per kWh)	\$0.03253	\$0.03253	
(5) Operating & Maintenance Expense Charge	\$0.00169	\$0.00169	
(6) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)	
(7) FY18 CapEx Factor Charge	\$0.00269	\$0.00269	Distribution Energy Charge
(8) CapEx Reconciliation Factor	(\$0.00119)	(\$0.00119)	Distribution Energy Charge
(9) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118	
(10) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)	
(11) Storm Fund Replenishment Factor	\$0.00288	\$0.00288	
(12) Long-term Contracting for Renewable Energy Charge	\$0.00622	\$0.00578	December Francisco Distribution Characteristics
(13) Net Metering Charge	\$0.00023	\$0.00023	Renewable Energy Distribution Charge
(14) Base Transmission Charge	\$0.03183	\$0.03183	
(15) Transmission Adjustment Factor	(\$0.00380)	(\$0.00380)	Transmission Charge
(16) Transmission Uncollectible Factor	\$0.00035	\$0.00035	
(17) Base Transition Charge	\$0.00009	\$0.00009	Transition Charge
(18) Transition Adjustment	\$0.00048	\$0.00048	Transition Charge
(19) Energy Efficiency Program Charge	\$0.01002	\$0.01002	Energy Efficiency Programs
(20) Standard Offer Service Base Charge	\$0.09492	\$0.08068	
(21) SOS Adjustment Factor	(\$0.00304)	(\$0.00304)	Supply Services Energy Charge
(22) SOS Adminstrative Cost Adjustment Factor	\$0.00122	\$0.00122	Supply Services Energy Charge
(23) Renewable Energy Standard Charge	\$0.00040	\$0.00040	
Line Item on Bill	040.00	440.00	
(24) Customer Charge	\$10.00	\$10.00	
(25) LIHEAP Enhancement Charge	\$0.81	\$0.81	
(26) RE Growth Program	\$1.26	\$1.26	
(27) Transmission Charge (28) Distribution Energy Charge	\$0.02838 \$0.03892	\$0.02838 \$0.03892	
(29) Transition Charge	\$0.03892 \$0.00057	\$0.03892 \$0.00057	
(30) Energy Efficiency Programs	\$0.00037	\$0.00037	
(31) Renewable Energy Distribution Charge	\$0.00645	\$0.01002 \$0.00601	
(32) Supply Services Energy Charge	\$0.0043	\$0.07926	
(32) Supply Services Energy Charge	ψ0.07530	30.07720	

Column (o): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 1/11/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/1/2018 Column (p): Lines (1) through (11) and (13) through (19): Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, effective 1/11/2018

Line (12): Line (12) Column (a) + Illustrative Adjustment to Long Term Contracting Renewable Energy Recovery Factor (LTCRER) of (\$0.00044) per Line (7) of Attachment PUC 1-18 Lines (20) through (23): Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/1/2018

In Re: Request for Approval of Eight Long-Term Renewable Energy Contracts
Responses to Office of Energy Resources' First Set of Data Requests The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4764 Attachment OER 1-1

Page 3 of 6

## Calculation of Monthly Typical Bill Total Bill Impact of Illustrative Adjustment to LTCRER Factor Associated with CERFP RI PPAs Rates Applicable to G-02 Rate Customers

				Present I	Rates			Proposed	Rates			\$ Increase (I	Decrease)		Incre	ease (Decrease	e) % of Total	Bill
	Monthly Power		Delivery	Supply			Delivery	Supply			Delivery	Supply			Delivery	Supply		
kW	Hours Use	kWh	Services	Services	GET	Total	Services	Services	GET	Total	Services	Services	GET	Total	Services	Services	GET	Total
	(a)		(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
20	200	4,000	\$434.74	\$374.00	\$33.70	\$842.44	\$432.98	\$317.04	\$31.25	\$781.27	(\$1.76)	(\$56.96)	(\$2.45)	(\$61.17)	-0.2%	-6.8%	-0.3%	-7.3%
50	200	10,000	\$948.16	\$935.00	\$78.47	\$1,961.63	\$943.76	\$792.60	\$72.35	\$1,808.71	(\$4.40)	(\$142.40)	(\$6.12)	(\$152.92)	-0.2%	-7.3%	-0.3%	-7.89
100	200	20,000	\$1,803.86	\$1,870.00	\$153.08	\$3,826.94	\$1,795.06	\$1,585.20	\$140.84	\$3,521.10	(\$8.80)	(\$284.80)	(\$12.24)	(\$305.84)	-0.2%	-7.4%	-0.3%	-8.0%
150	200	30,000	\$2,659.56	\$2,805.00	\$227.69	\$5,692.25	\$2,646.36	\$2,377.80	\$209.34	\$5,233.50	(\$13.20)	(\$427.20)	(\$18.35)	(\$458.75)	-0.2%	-7.5%	-0.3%	-8.1%
20	300	6,000	\$506.98	\$561.00	\$44.50	\$1,112.48	\$504.34	\$475.56	\$40.83	\$1,020.73	(\$2.64)	(\$85.44)	(\$3.67)	(\$91.75)	-0.2%	-7.7%	-0.3%	-8.2%
50	300	15,000	\$1,128.76	\$1,402.50	\$105.47	\$2,636.73	\$1,122.16	\$1,188.90	\$96.29	\$2,407.35	(\$6.60)	(\$213.60)	(\$9.18)	(\$229.38)	-0.3%	-8.1%	-0.3%	-8.7%
100	300	30,000	\$2,165.06	\$2,805.00	\$207.09	\$5,177.15	\$2,151.86	\$2,377.80	\$188.74	\$4,718.40	(\$13.20)	(\$427.20)	(\$18.35)	(\$458.75)	-0.3%	-8.3%	-0.4%	-8.99
150	300	45,000	\$3,201.36	\$4,207.50	\$308.70	\$7,717.56	\$3,181.56	\$3,566.70	\$281.18	\$7,029.44	(\$19.80)	(\$640.80)	(\$27.52)	(\$688.12)	-0.3%	-8.3%	-0.4%	-8.99
20	400	8,000	\$579.22	\$748.00	\$55.30	\$1,382.52	\$575.70	\$634.08	\$50.41	\$1,260.19	(\$3.52)	(\$113.92)	(\$4.89)	(\$122.33)	-0.3%	-8.2%	-0.4%	-8.89
50	400	20,000	\$1,309.36	\$1,870.00	\$132.47	\$3,311.83	\$1,300.56	\$1,585.20	\$120.24	\$3,006.00	(\$8.80)	(\$284.80)	(\$12.23)	(\$305.83)	-0.3%	-8.6%	-0.4%	-9.29
100	400	40,000	\$2,526.26	\$3,740.00	\$261.09	\$6,527.35	\$2,508.66	\$3,170.40	\$236.63	\$5,915.69	(\$17.60)	(\$569.60)	(\$24.46)	(\$611.66)	-0.3%	-8.7%	-0.4%	-9.49
150	400	60,000	\$3,743.16	\$5,610.00	\$389.72	\$9,742.88	\$3,716.76	\$4,755.60	\$353.02	\$8,825.38	(\$26.40)	(\$854.40)	(\$36.70)	(\$917.50)	-0.3%	-8.8%	-0.4%	-9.49
20	500	10,000	\$651.46	\$935.00	\$66.10	\$1,652.56	\$647.06	\$792.60	\$59.99	\$1,499.65	(\$4.40)	(\$142.40)	(\$6.11)	(\$152.91)	-0.3%	-8.6%	-0.4%	-9.39
50	500	25,000	\$1,489.96	\$2,337.50	\$159.48	\$3,986.94	\$1,478.96	\$1,981.50	\$144.19	\$3,604.65	(\$11.00)	(\$356.00)	(\$15.29)	(\$382.29)	-0.3%	-8.9%	-0.4%	-9.69
100	500	50,000	\$2,887.46	\$4,675.00	\$315.10	\$7,877.56	\$2,865.46	\$3,963.00	\$284.52	\$7,112.98	(\$22.00)	(\$712.00)	(\$30.58)	(\$764.58)	-0.3%	-9.0%	-0.4%	-9.79
150	500	75,000	\$4,284.96	\$7,012.50	\$470.73	\$11,768.19	\$4,251.96	\$5,944.50	\$424.85	\$10,621.31	(\$33.00)	(\$1,068.00)	(\$45.88)	(\$1,146.88)	-0.3%	-9.1%	-0.4%	-9.79
20	600	12,000	\$723.70	\$1,122.00	\$76.90	\$1,922.60	\$718.42	\$951.12	\$69.56	\$1,739.10	(\$5.28)	(\$170.88)	(\$7.34)	(\$183.50)	-0.3%	-8.9%	-0.4%	-9.59
50	600	30,000	\$1,670.56	\$2,805.00	\$186.48	\$4,662.04	\$1,657.36	\$2,377.80	\$168.13	\$4,203.29	(\$13.20)	(\$427.20)	(\$18.35)	(\$458.75)	-0.3%	-9.2%	-0.4%	-9.89
100	600	60,000	\$3,248.66	\$5,610.00	\$369.11	\$9,227.77	\$3,222.26	\$4,755.60	\$332.41	\$8,310.27	(\$26.40)	(\$854.40)	(\$36.70)	(\$917.50)	-0.3%	-9.3%	-0.4%	-9.9
150	600	90,000	\$4,826.76	\$8,415.00	\$551.74	\$13,793.50	\$4,787.16	\$7,133.40	\$496.69	\$12,417.25	(\$39.60)	(\$1,281.60)	(\$55.05)	(\$1,376.25)	-0.3%	-9.3%	-0.4%	-10.0

	Present Rates	Proposed Rates	Line Item on Bill
	(n)	(0)	
(1) Distribution Customer Charge	\$135.00	\$135.00	Customer Charge
(2) LIHEAP Enhancement Charge	\$0.81	\$0.81	LIHEAP Enhancement Charge
(3) Renewable Energy Growth Charge	\$11.85	\$11.85	RE Growth Program
(4) Base Distribution Demand Charge (per kW > 10kW)	\$4.85	\$4.85	Distribution Demand Charge
(5) Distribution Charge (per kWh)	\$0.00468	\$0.00468	_
(6) Operating & Maintenance Expense Charge	\$0.00122	\$0.00122	
(7) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)	
(8) FY18 CapEx Factor Demand Charge (per kW > 10kW)	\$0.67	\$0.67	Distribution Energy Charge
(9) CapEx Reconciliation Factor	(\$0.00098)	(\$0.00098)	Distribution Energy Charge
(10) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118	
(11) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)	
(12) Storm Fund Replenishment Factor	\$0.00288	\$0.00288	
(13) Long-term Contracting for Renewable Energy Charge	\$0.00622	\$0.00578	Renewable Energy Distribution Charge
(14) Net Metering Charge	\$0.00023	\$0.00023	Renewable Energy Distribution Charge
(15) Transmission Demand Charge	\$4.37	\$4.37	Transmission Demand Charge
(16) Base Transmission Charge	\$0.01269	\$0.01269	
(17) Transmission Adjustment Factor	(\$0.00205)	(\$0.00205)	Transmission Adjustment
(18) Transmission Uncollectible Factor	\$0.00032	\$0.00032	
(19) Base Transition Charge	\$0.00009	\$0.00009	Transition Charge
(20) Transition Adjustment	\$0.00048	\$0.00048	Halistion Charge
(21) Energy Efficiency Program Charge	\$0.01002	\$0.01002	Energy Efficiency Programs
(22) Standard Offer Service Base Charge	\$0.09492	\$0.08068	
(23) SOS Adjustment Factor	(\$0.00304)	(\$0.00304)	Supply Services Energy Charge
(24) SOS Adminstrative Cost Adjustment Factor	\$0.00122	\$0.00122	Supply Services Energy Charge
(25) Renewable Energy Standard Charge	\$0.00040	\$0.00040	
Line Item on Bill		****	
(26) Customer Charge	\$135.00	\$135.00	
(28) LIHEAP Enhancement Charge	\$0.81	\$0.81	
(27) RE Growth Program	\$11.85	\$11.85	
(29) Transmission Adjustment	\$0.01096	\$0.01096	
(30) Distribution Energy Charge	\$0.00812	\$0.00812	
(31) Distribution Demand Charge	\$5.52	\$5.52	
(32) Transmission Demand Charge	\$4.37	\$4.37	
(31) Transition Charge	\$0.00057	\$0.00057	
(32) Energy Efficiency Programs	\$0.01002	\$0.01002	
(33) Renewable Energy Distribution Charge	\$0.00645	\$0.00601	
(34) Supply Services Energy Charge	\$0.09350	\$0.07926	

Column (n): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 1/11/2018, and Summary of Rates Standard Offer Service tariff; R.I.P.U.C. No. 2096, effective 1/12/018 Column (o): Lines (1) through (12) and (14) through (21): Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, effective 1/11/2018

Line (13): Line (13) Column (a) + Illustrative Adjustment to Long Term Contracting Renewable Energy Recovery Factor (LTCRER) of (\$0.00044) per Line (7) of Attachment PUC 1-18 Lines (22) through (25): Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/1/2018

Attachment OER 1-1

Page 4 of 6

#### Calculation of Monthly Typical Bill Total Bill Impact of Illustrative Adjustment to LTCRER Factor Associated with CERFP RI PPAs Rates Applicable to G-32 Rate Customers

				Present l	Rates			Proposed	Rates			\$ Increase (	Decrease)		Incre	ease (Decrease	) % of Total	Bill
	Monthly Power		Delivery	Supply			Delivery	Supply			Delivery	Supply			Delivery	Supply		
kW	Hours Use	kWh	Services	Services	GET	Total	Services	Services	GET	Total	Services	Services	GET	Total	Services	Services	GET	Total
	(a)		(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
200	200	40,000	\$3,341.47	\$3,772.40	\$296.41	\$7,410.28	\$3,323.87	\$3,772.40	\$295.68	\$7,391.95	(\$17.60)	\$0.00	(\$0.73)	(\$18.33)	-0.2%	0.0%	0.0%	-0.2%
750	200	150,000	\$12,446.17	\$14,146.50	\$1,108.03	\$27,700.70	\$12,380.17	\$14,146.50	\$1,105.28	\$27,631.95	(\$66.00)	\$0.00	(\$2.75)	(\$68.75)	-0.2%	0.0%	0.0%	-0.2%
1,000	200	200,000	\$16,584.67	\$18,862.00	\$1,476.94	\$36,923.61	\$16,496.67	\$18,862.00	\$1,473.28	\$36,831.95	(\$88.00)	\$0.00	(\$3.66)	(\$91.66)	-0.2%	0.0%	0.0%	-0.2%
1,500	200	300,000	\$24,861.67	\$28,293.00	\$2,214.78	\$55,369.45	\$24,729.67	\$28,293.00	\$2,209.28	\$55,231.95	(\$132.00)	\$0.00	(\$5.50)	(\$137.50)	-0.2%	0.0%	0.0%	-0.2%
2,500	200	500,000	\$41,415.67	\$47,155.00	\$3,690.44	\$92,261.11	\$41,195.67	\$47,155.00	\$3,681.28	\$92,031.95	(\$220.00)	\$0.00	(\$9.16)	(\$229.16)	-0.2%	0.0%	0.0%	-0.2%
200	300	60,000	\$4,086.87	\$5,658.60	\$406.06	\$10,151.53	\$4,060.47	\$5,658.60	\$404.96	\$10,124.03	(\$26.40)	\$0.00	(\$1.10)	(\$27.50)	-0.3%	0.0%	0.0%	-0.3%
750	300	225,000	\$15,241.42	\$21,219.75	\$1,519.22	\$37,980.39	\$15,142.42	\$21,219.75	\$1,515.09	\$37,877.26	(\$99.00)	\$0.00	(\$4.13)	(\$103.13)	-0.3%	0.0%	0.0%	-0.3%
1,000	300	300,000	\$20,311.67	\$28,293.00	\$2,025.19	\$50,629.86	\$20,179.67	\$28,293.00	\$2,019.69	\$50,492.36	(\$132.00)	\$0.00	(\$5.50)	(\$137.50)	-0.3%	0.0%	0.0%	-0.3%
1,500	300	450,000	\$30,452.17	\$42,439.50	\$3,037.15	\$75,928.82	\$30,254.17	\$42,439.50	\$3,028.90	\$75,722.57	(\$198.00)	\$0.00	(\$8.25)	(\$206.25)	-0.3%	0.0%	0.0%	-0.3%
2,500	300	750,000	\$50,733.17	\$70,732.50	\$5,061.07	\$126,526.74	\$50,403.17	\$70,732.50	\$5,047.32	\$126,182.99	(\$330.00)	\$0.00	(\$13.75)	(\$343.75)	-0.3%	0.0%	0.0%	-0.3%
200	400	80,000	\$4,832.27	\$7,544.80	\$515.71	\$12,892.78	\$4,797.07	\$7,544.80	\$514.24	\$12,856.11	(\$35.20)	\$0.00	(\$1.47)	(\$36.67)	-0.3%	0.0%	0.0%	-0.3%
750	400	300,000	\$18,036.67	\$28,293.00	\$1,930.40	\$48,260.07	\$17,904.67	\$28,293.00	\$1,924.90	\$48,122.57	(\$132.00)	\$0.00	(\$5.50)	(\$137.50)	-0.3%	0.0%	0.0%	-0.3%
1,000	400	400,000	\$24,038.67	\$37,724.00	\$2,573.44	\$64,336.11	\$23,862.67	\$37,724.00	\$2,566.11	\$64,152.78	(\$176.00)	\$0.00	(\$7.33)	(\$183.33)	-0.3%	0.0%	0.0%	-0.3%
1,500	400	600,000	\$36,042.67	\$56,586.00	\$3,859.53	\$96,488.20	\$35,778.67	\$56,586.00	\$3,848.53	\$96,213.20	(\$264.00)	\$0.00	(\$11.00)	(\$275.00)	-0.3%	0.0%	0.0%	-0.3%
2,500	400	1,000,000	\$60,050.67	\$94,310.00	\$6,431.70	\$160,792.37	\$59,610.67	\$94,310.00	\$6,413.36	\$160,334.03	(\$440.00)	\$0.00	(\$18.34)	(\$458.34)	-0.3%	0.0%	0.0%	-0.3%
200	500	100,000	\$5,577.67	\$9,431.00	\$625.36	\$15,634.03	\$5,533.67	\$9,431.00	\$623.53	\$15,588.20	(\$44.00)	\$0.00	(\$1.83)	(\$45.83)	-0.3%	0.0%	0.0%	-0.3%
750	500	375,000	\$20,831.92	\$35,366.25	\$2,341.59	\$58,539.76	\$20,666.92	\$35,366.25	\$2,334.72	\$58,367.89	(\$165.00)	\$0.00	(\$6.87)	(\$171.87)	-0.3%	0.0%	0.0%	-0.3%
1,000	500	500,000	\$27,765.67	\$47,155.00	\$3,121.69	\$78,042.36	\$27,545.67	\$47,155.00	\$3,112.53	\$77,813.20	(\$220.00)	\$0.00	(\$9.16)	(\$229.16)	-0.3%	0.0%	0.0%	-0.3%
1,500	500	750,000	\$41,633.17	\$70,732.50	\$4,681.90	\$117,047.57	\$41,303.17	\$70,732.50	\$4,668.15	\$116,703.82	(\$330.00)	\$0.00	(\$13.75)	(\$343.75)	-0.3%	0.0%	0.0%	-0.3%
2,500	500	1,250,000	\$69,368.17	\$117,887.50	\$7,802.32	\$195,057.99	\$68,818.17	\$117,887.50	\$7,779.40	\$194,485.07	(\$550.00)	\$0.00	(\$22.92)	(\$572.92)	-0.3%	0.0%	0.0%	-0.3%
200	600	120,000	\$6,323.07	\$11,317.20	\$735.01	\$18,375.28	\$6,270.27	\$11,317.20	\$732.81	\$18,320.28	(\$52.80)	\$0.00	(\$2.20)	(\$55.00)	-0.3%	0.0%	0.0%	-0.3%
750	600	450,000	\$23,627.17	\$42,439.50	\$2,752.78	\$68,819.45	\$23,429.17	\$42,439.50	\$2,744.53	\$68,613.20	(\$198.00)	\$0.00	(\$8.25)	(\$206.25)	-0.3%	0.0%	0.0%	-0.3%
1,000	600	600,000	\$31,492.67	\$56,586.00	\$3,669.94	\$91,748.61	\$31,228.67	\$56,586.00	\$3,658.94	\$91,473.61	(\$264.00)	\$0.00	(\$11.00)	(\$275.00)	-0.3%	0.0%	0.0%	-0.3%
1,500	600	900,000	\$47,223.67	\$84,879.00	\$5,504.28	\$137,606.95	\$46,827.67	\$84,879.00	\$5,487.78	\$137,194.45	(\$396.00)	\$0.00	(\$16.50)	(\$412.50)	-0.3%	0.0%	0.0%	-0.3%
2,500	600	1,500,000	\$78,685.67	\$141,465.00	\$9,172.95	\$229,323.62	\$78,025.67	\$141,465.00	\$9,145.45	\$228,636.12	(\$660.00)	\$0.00	(\$27.50)	(\$687.50)	-0.3%	0.0%	0.0%	-0.3%

	Present Rates	Proposed Rates	Line Item on Bill
	(n)	(0)	
(1) Distribution Customer Charge	\$825.00	\$825.00	Customer Charge
(2) LIHEAP Enhancement Charge	\$0.81	\$0.81	LIHEAP Enhancement Charge
(3) Renewable Energy Growth Charge	\$86.86	\$86.86	RE Growth Program
(4) Base Distribution Demand Charge (per kW > 200kW)	\$3.70	\$3.70	•
(5) Distribution Charge (per kWh)	\$0.00551	\$0.00551	
(6) Operating & Maintenance Expense Charge	\$0.00079	\$0.00079	
(7) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)	
(8) FY18 CapEx Factor Demand Charge (per kW > 10kW)	\$0.71	\$0.71	Distribution Energy Charge
(9) CapEx Reconciliation Factor	(\$0.00050)	(\$0.00050)	Distribution Energy Charge
(10) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118	
(11) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)	
(12) Storm Fund Replenishment Factor	\$0.00288	\$0.00288	
(13) Long-term Contracting for Renewable Energy Charge	\$0.00622	\$0.00578	Renewable Energy Distribution Charge
(14) Net Metering Charge	\$0.00023	\$0.00023	Renewable Energy Distribution Charge
(15) Transmission Demand Charge	\$4.69	\$4.69	
(16) Base Transmission Charge	\$0.01172	\$0.01172	
(17) Transmission Adjustment Factor	(\$0.00079)	(\$0.00079)	Transmission Adjustment
(18) Transmission Uncollectible Factor	\$0.00030	\$0.00030	
(19) Base Transition Charge	\$0.00009	\$0.00009	Transition Charge
(20) Transition Adjustment	\$0.00048	\$0.00048	Hansinon Charge
(21) Energy Efficiency Program Charge	\$0.01002	\$0.01002	Energy Efficiency Programs
(22) Standard Offer Service Base Charge	\$0.09776	\$0.09776	
(23) SOS Adjustment Factor	(\$0.00507)	(\$0.00507)	Supply Services Energy Charge
(24) SOS Adminstrative Cost Adjustment Factor	\$0.00122	\$0.00122	Supply Services Energy Charge
(25) Renewable Energy Standard Charge	\$0.00040	\$0.00040	
Line Item on Bill			
(26) Customer Charge	\$825.00	\$825.00	
(27) LIHEAP Enhancement Charge	\$0.81	\$0.81	
(28) RE Growth Program	\$86.86	\$86.86	
(29) Transmission Adjustment	\$0.01123	\$0.01123	
(30) Distribution Energy Charge	\$0.00900	\$0.00900	
(31) Distribution Demand Charge	\$4.41	\$4.41	
(32) Transmission Demand Charge	\$4.69	\$4.69	
(31) Transition Charge	\$0.00057	\$0.00057	
(32) Energy Efficiency Programs	\$0.01002	\$0.01002	
(33) Renewable Energy Distribution Charge	\$0.00645	\$0.00601	
(34) Supply Services Energy Charge	\$0.09431	\$0.09431	
(5.1) Supply Services Energy Charge	ψ0.0,731	\$0.07431	

Column (n): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 1/11/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/1/2018 Line (22): Average Industrial January -March 2018 Base Standard Offer Service Rate

Column (o): Lines (1) through (12) and (14) through (21): Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, effective 1/11/2018

Line (13): Line (13) Column (a) + Illustrative Adjustment to Long Term Contracting Renewable Energy Recovery Factor (LTCRER) of (\$0.00044) per Line (7) of Attachment PUC 1-18

Line (22): Average Industrial January -March 2018 Base Standard Offer Service Rate
Lines (23) through (25): Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/1/2018

In Re: Request for Approval of Eight Long-Term Renewable Energy Contracts
Responses to Office of Energy Resources' First Set of Data Requests The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4764

Attachment OER 1-1

Page 5 of 6

## Calculation of Monthly Typical Bill Total Bill Impact of Illustrative Adjustment to LTCRER Factor Associated with CERFP RI PPAs Rates Applicable to G-62 Rate Customers

			Present Rates					Proposed	Rates			\$ Increase (	Decrease)		Incre	ease (Decrease	e) % of Total	Bill
Monthly Power			Delivery	Supply			Delivery	Supply			Delivery	Supply			Delivery	Supply		
kW	Hours Use	kWh	Services	Services	GET	Total	Services	Services	GET	Total	Services	Services	GET	Total	Services	Services	GET	Total
	(a)		(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
3,000	200	600000	\$61,888.89	\$56,586.00	\$4,936.45	\$123,411.34	\$61,624.89	\$56,586.00	\$4,925.45	\$123,136.34	(\$264.00)	\$0.00	(\$11.00)	(\$275.00)	-0.2%	0.0%	0.0%	-0.2%
5,000	200	1000000	\$90,528.89	\$94,310.00	\$7,701.62	\$192,540.51	\$90,088.89	\$94,310.00	\$7,683.29	\$192,082.18	(\$440.00)	\$0.00	(\$18.33)	(\$458.33)	-0.2%	0.0%	0.0%	-0.2%
7,500	200	1500000	\$126,328.89	\$141,465.00	\$11,158.08	\$278,951.97	\$125,668.89	\$141,465.00	\$11,130.58	\$278,264.47	(\$660.00)	\$0.00	(\$27.50)	(\$687.50)	-0.2%	0.0%	0.0%	-0.2%
10,000	200	2000000	\$162,128.89	\$188,620.00	\$14,614.54	\$365,363.43	\$161,248.89	\$188,620.00	\$14,577.87	\$364,446.76	(\$880.00)	\$0.00	(\$36.67)	(\$916.67)	-0.2%	0.0%	0.0%	-0.3%
20,000	200	4000000	\$305,328.89	\$377,240.00	\$28,440.37	\$711,009.26	\$303,568.89	\$377,240.00	\$28,367.04	\$709,175.93	(\$1,760.00)	\$0.00	(\$73.33)	(\$1,833.33)	-0.2%	0.0%	0.0%	-0.3%
3,000	300	900000	\$72,418.89	\$84,879.00	\$6,554.08	\$163,851.97	\$72,022.89	\$84,879.00	\$6,537.58	\$163,439.47	(\$396.00)	\$0.00	(\$16.50)	(\$412.50)	-0.2%	0.0%	0.0%	-0.3%
5,000	300	1500000	\$108,078.89	\$141,465.00	\$10,397.66	\$259,941.55	\$107,418.89	\$141,465.00	\$10,370.16	\$259,254.05	(\$660.00)	\$0.00	(\$27.50)	(\$687.50)	-0.3%	0.0%	0.0%	-0.3%
7,500	300	2250000	\$152,653.89	\$212,197.50	\$15,202.14	\$380,053.53	\$151,663.89	\$212,197.50	\$15,160.89	\$379,022.28	(\$990.00)	\$0.00	(\$41.25)	(\$1,031.25)	-0.3%	0.0%	0.0%	-0.3%
10,000	300	3000000	\$197,228.89	\$282,930.00	\$20,006.62	\$500,165.51	\$195,908.89	\$282,930.00	\$19,951.62	\$498,790.51	(\$1,320.00)	\$0.00	(\$55.00)	(\$1,375.00)	-0.3%	0.0%	0.0%	-0.3%
20,000	300	6000000	\$375,528.89	\$565,860.00	\$39,224.54	\$980,613.43	\$372,888.89	\$565,860.00	\$39,114.54	\$977,863.43	(\$2,640.00)	\$0.00	(\$110.00)	(\$2,750.00)	-0.3%	0.0%	0.0%	-0.3%
3,000	400	1200000	\$82,948.89	\$113,172.00	\$8,171.70	\$204,292.59	\$82,420.89	\$113,172.00	\$8,149.70	\$203,742.59	(\$528.00)	\$0.00	(\$22.00)	(\$550.00)	-0.3%	0.0%	0.0%	-0.3%
5,000	400	2000000	\$125,628.89	\$188,620.00	\$13,093.70	\$327,342.59	\$124,748.89	\$188,620.00	\$13,057.04	\$326,425.93	(\$880.00)	\$0.00	(\$36.66)	(\$916.66)	-0.3%	0.0%	0.0%	-0.3%
7,500	400	3000000	\$178,978.89	\$282,930.00	\$19,246.21	\$481,155.10	\$177,658.89	\$282,930.00	\$19,191.21	\$479,780.10	(\$1,320.00)	\$0.00	(\$55.00)	(\$1,375.00)	-0.3%	0.0%	0.0%	-0.3%
10,000	400	4000000	\$232,328.89	\$377,240.00	\$25,398.71	\$634,967.60	\$230,568.89	\$377,240.00	\$25,325.37	\$633,134.26	(\$1,760.00)	\$0.00	(\$73.34)	(\$1,833.34)	-0.3%	0.0%	0.0%	-0.3%
20,000	400	8000000	\$445,728.89	\$754,480.00	\$50,008.71	\$1,250,217.60	\$442,208.89	\$754,480.00	\$49,862.04	\$1,246,550.93	(\$3,520.00)	\$0.00	(\$146.67)	(\$3,666.67)	-0.3%	0.0%	0.0%	-0.3%
3,000	500	1500000	\$93,478.89	\$141,465.00	\$9,789.33	\$244,733.22	\$92,818.89	\$141,465.00	\$9,761.83	\$244,045.72	(\$660.00)	\$0.00	(\$27.50)	(\$687.50)	-0.3%	0.0%	0.0%	-0.3%
5,000	500	2500000	\$143,178.89	\$235,775.00	\$15,789.75	\$394,743.64	\$142,078.89	\$235,775.00	\$15,743.91	\$393,597.80	(\$1,100.00)	\$0.00	(\$45.84)	(\$1,145.84)	-0.3%	0.0%	0.0%	-0.3%
7,500	500	3750000	\$205,303.89	\$353,662.50	\$23,290.27	\$582,256.66	\$203,653.89	\$353,662.50	\$23,221.52	\$580,537.91	(\$1,650.00)	\$0.00	(\$68.75)	(\$1,718.75)	-0.3%	0.0%	0.0%	-0.3%
10,000	500	5000000	\$267,428.89	\$471,550.00	\$30,790.79	\$769,769.68	\$265,228.89	\$471,550.00	\$30,699.12	\$767,478.01	(\$2,200.00)	\$0.00	(\$91.67)	(\$2,291.67)	-0.3%	0.0%	0.0%	-0.3%
20,000	500	10000000	\$515,928.89	\$943,100.00	\$60,792.88	\$1,519,821.77	\$511,528.89	\$943,100.00	\$60,609.54	\$1,515,238.43	(\$4,400.00)	\$0.00	(\$183.34)	(\$4,583.34)	-0.3%	0.0%	0.0%	-0.3%
3,000	600	1800000	\$104,008.89	\$169,758.00	\$11,406.95	\$285,173.84	\$103,216.89	\$169,758.00	\$11,373.95	\$284,348.84	(\$792.00)	\$0.00	(\$33.00)	(\$825.00)	-0.3%	0.0%	0.0%	-0.3%
5,000	600	3000000	\$160,728.89	\$282,930.00	\$18,485.79	\$462,144.68	\$159,408.89	\$282,930.00	\$18,430.79	\$460,769.68	(\$1,320.00)	\$0.00	(\$55.00)	(\$1,375.00)	-0.3%	0.0%	0.0%	-0.3%
7,500	600	4500000	\$231,628.89	\$424,395.00	\$27,334.33	\$683,358.22	\$229,648.89	\$424,395.00	\$27,251.83	\$681,295.72	(\$1,980.00)	\$0.00	(\$82.50)	(\$2,062.50)	-0.3%	0.0%	0.0%	-0.3%
10,000	600	6000000	\$302,528.89	\$565,860.00	\$36,182.87	\$904,571.76	\$299,888.89	\$565,860.00	\$36,072.87	\$901,821.76	(\$2,640.00)	\$0.00	(\$110.00)	(\$2,750.00)	-0.3%	0.0%	0.0%	-0.3%
20,000	600	12000000	\$586,128.89	\$1,131,720.00	\$71,577.04	\$1,789,425.93	\$580,848.89	\$1,131,720.00	\$71,357.04	\$1,783,925.93	(\$5,280.00)	\$0.00	(\$220.00)	(\$5,500.00)	-0.3%	0.0%	0.0%	-0.3%

	Present Rates	Proposed Rates	Line Item on Bill
	(n)	(o)	Elle Relia on Bill
(1) Distribution Customer Charge	\$17,000.00	\$17.000.00	Customer Charge
(2) LIHEAP Enhancement Charge	\$0.81	\$0.81	LIHEAP Enhancement Charge
(3) Renewable Energy Growth Charge	\$1.928.08	\$1,928.08	RE Growth Program
(4) Base Distribution Demand Charge per kW	\$2.99	\$2.99	Distribution Demand Charge
(5) Distribution Charge (per kWh)	\$0.00000	\$0.0000	Distribution Demand Charge
(6) Operating & Maintenance Expense Charge per KW	\$0.36	\$0.36	
(7) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)	
(8) FY18 CapEx Factor Demand Charge per kW	\$0.55	\$0.55	
(9) CapEx Reconciliation Factor	(\$0.00038)	(\$0.00038)	Distribution Energy Charge
(10) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118	
(11) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)	
(12) Storm Fund Replenishment Factor	\$0.00288	\$0.00288	
(13) Long-term Contracting for Renewable Energy Charge	\$0.00622	\$0.00578	
(14) Net Metering Charge	\$0.00023	\$0.00023	Renewable Energy Distribution Charge
(15) Transmission Demand Charge	\$3.40	\$3.40	
(16) Base Transmission Charge	\$0.01426	\$0.01426	-
(17) Transmission Adjustment Factor	\$0.00066	\$0.00066	Transmission Adjustment
(18) Transmission Uncollectible Factor	\$0.00032	\$0.00032	
(19) Base Transition Charge	\$0.0009	\$0.0009	-
(20) Transition Adjustment	\$0.00048	\$0.00048	Transition Charge
(21) Energy Efficiency Program Charge	\$0.01002	\$0.01002	Energy Efficiency Programs
(22) Standard Offer Service Base Charge	\$0.09776	\$0.09776	
(23) SOS Adjustment Factor	(\$0.00507)	(\$0.00507)	
(24) SOS Adminstrative Cost Adjustment Factor	\$0.00122	\$0.00122	Supply Services Energy Charge
(25) Renewable Energy Standard Charge	\$0.00040	\$0.00040	
(1)			
Line Item on Bill			
(26) Customer Charge	\$17,000.00	\$17,000.00	
(27) LIHEAP Enhancement Charge	\$0.81	\$0.81	
(28) RE Growth Program	\$1,928.08	\$1,928.08	
(29) Transmission Adjustment	\$0.01524	\$0.01524	
(30) Distribution Energy Charge	\$0.00282	\$0.00282	
(31) Distribution Demand Charge	\$3.90	\$3.90	
(32) Transmission Demand Charge	\$3.40	\$3.40	
(31) Transition Charge	\$0.00057	\$0.00057	
(32) Energy Efficiency Programs	\$0.01002	\$0.01002	
(33) Renewable Energy Distribution Charge	\$0.00645	\$0.00601	
(34) Supply Services Energy Charge	\$0.09431	\$0.09431	

Column (n): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 1/11/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/11/2018 Line (22): Average Industrial January - March 2018 Base Standard Offer Service Rate

Column (o): Lines (1) through (12) and (14) through (21): Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, effective 1/11/2018

Line (13): Line (13): Column (a) + Illustrative Adjustment to Long Term Contracting Renewable Energy Recovery Factor (LTCRER) of (\$0.00044) per Line (7) of Attachment PUC 1-18

Line (22): Average Industrial January -March 2018 Base Standard Offer Service Rate

Lines (23) through (25): Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/1/2018

In Re: Request for Approval of Eight Long-Term Renewable Energy Contracts
Responses to Office of Energy Resources' First Set of Data Requests The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4764

Attachment OER 1-1

Page 6 of 6