HINCKLEY ALLEN

100 Westminster Street, Suite 1500
Providence, RI 02903-2319
p: 401-274-2000 f: 401-277-9600
hinckleyallen.com

Adam M. Ramos
aramos@hinckleyallen.com
Direct Dial: 401-457-5164

August 10, 2018

<u>Via Electronic Mail and Hand Delivery</u>

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

RE: Docket 4692 – Standard Offer Service Procurement Plan
<u>Responses to Lt. Governor McKee Data Requests – Set 1</u>

Dear Ms. Massaro:

On behalf of National Grid[1] enclosed are the Company's responses to the first set of data requests issued by Lieutenant Governor Daniel J. McKee in the above-referenced docket.

Thank you for your attention to this filing. If you have any questions concerning this matter, please contact me at 401-457-5164.

Very truly yours,

Adam M. Ramos

AMR
Enclosures

cc: Docket 4692 Service List
Leo Wold, Esq.
Christy Hetherington, Esq.
John Bell

[1] National Grid or the Company.

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.

_____ August 10, 2018

Joanne M. Scanlon Date

Docket No. 4692 - National Grid – 2018 Standard Offer Service (SOS) and Renewable Energy Standard (RES) Procurement Plans
Service List updated 8/7/18

Name/Address	E-mail Distribution	Phone
Raquel Webster, Esq. National Grid. 280 Melrose St. Providence, RI 02907	Raquel.webster@nationalgrid.com; margaret.janzen@nationalgrid.com; Joanne.scanlon@nationalgrid.com; James.Ruebenacker@nationalgrid.com;	781-907-2121
Adam Ramos, Esq. Hinckley Allen Hinckley Allen 100 Westminster Street, Suite 1500 Providence, RI 02903-2319	aramos@hinckleyallen.com;	401-457-5164
Leo Wold, Esq. Dept. of Attorney General 150 South Main St. Providence, RI 02903	Lwold@riag.ri.gov; John.bell@dpuc.ri.gov; Al.mancini@dpuc.ri.gov; Joseph.shilling@dpuc.ri.gov; Jonathan.Schrag@dpuc.ri.gov; dmacrae@riag.ri.gov; Albert.demiranda@dpuc.ri.gov; jmunoz@riag.ri.gov;	401-274-4400
Richard Hahn Daymark Energy Advisors One Washington Mall, 9th floor Boston, MA 02108	rhahn@daymarkea.com; mneal@daymarkea.com; mloiacono@daymarkea.com; cbencomo-jasso@daymarkea.com;	617-778-2467
File an original & 9 copies w/: Luly E. Massaro, Commission Clerk Linda George, PUC Counsel Public Utilities Commission 89 Jefferson Blvd.	Luly.massaro@puc.ri.gov; Linda.George@puc.ri.gov; Alan.nault@puc.ri.gov; Todd.bianco@puc.ri.gov; Cynthia.WilsonFrias@puc.ri.gov;	401-780-2017

Warwick, RI 02888	Sharon.ColbyCamara@puc.ri.gov Margaret.Hogan@puc.ri.gov;	
Office of Energy Resources Nicholas Ucci Christopher Kearns	Nicholas.ucci@energy.ri.gov; Christopher.Kearns@energy.ri.gov; Danny.Musher@energy.ri.gov;	
Douglas Gablinske, TEC-RI	Doug@tecri.org;	401-741-5101

Lt. Governor McKee 1-1

Request:

Based on the contracts currently executed for commercial standard offer service, and assuming the remaining procurements for the periods identified in subparts a, b, and c below, do not change the embedded cost of power, please provide the expected commercial SOS rate and associated bill impacts compared to the current rate assuming the following:

a. A 6-month rate – October 2018 through March 2019, as proposed;

b. A 6-month rate – April 2019 through September 2019 (assuming approval of the currently proposed 6-month rate for the period October 2018 through March 2019);

c. A 12-month rate – October 2018 through September 2019.

Response:

a. Attachment McKee 1-1(a) provides the proposed rates and bill impacts resulting from the proposed rates for Commercial Standard Offer Service (SOS) for the period October 1, 2018 through March 31, 2019, as presented in Attachments 1 and 3 of the initial filing, respectively.

b. Attachment McKee 1-1(b) provides an illustrative Commercial SOS rate for the period April 1, 2019 through September 30, 2019. These calculations reflect contracts executed to date for 55% of the SOS obligation and assume that the remaining procurements for SOS and the estimated NYMEX spot market price for this period do not change the embedded cost of power. Page 1 shows the current average bids, converted to retail rates. Page 2 shows the calculation of the illustrative SOS rate. Pages 3 and 4 show illustrative bill impacts comparing monthly bills based on the proposed October 2018 through March 2019 SOS rate and the illustrative SOS rate calculated on Page 2 for the period April 2019 through September 2019, with all other rates remaining unchanged.

Lt. Governor McKee 1-1, page 2

c. Attachment McKee 1-1(c) provides an illustrative Commercial SOS rate for the 12-month period of October 1, 2018 through September 30, 2019. Page 1 shows the current final bids for the period of October 1, 2018 through March 31, 2019, the contracts executed to date for the period of April 1, 2019 through September 30, 2019, and assumes that the remaining procurements for SOS and estimated NYMEX spot market prices will not change the embedded cost of power. Page 2 shows the calculation of the illustrative 12-month SOS rate. Pages 3 and 4 show illustrative bill impacts comparing bills based on currently effective rates and bills based on the illustrative 12-month SOS rate.

Please note, the currently effective Tariff for Standard Offer Service, R.I.P.U.C. No. 2155 currently defines the Commercial SOS Fixed rate as follows:

> Fixed Price Option: represents a weighted average of the applicable winning bid over six months plus an estimate of the costs of any supply not procured through full requirements services contracts including, but not limited to, spot market purchases from the Independent System Operator – New England. Customers receiving retail delivery service on Rate C-06 will be placed on the Fixed Price Option when initially requesting Standard Offer Service from the Company.

The table below summarizes the proposed and illustrative SOS rates and their associated bill impacts for a Commercial C-06 SOS customer using 1,000 kWh per month presented in Attachments McKee 1-1(a), McKee 1-1(b), and McKee 1-1(c):

	Proposed Oct. 2018 – Mar. 2019	Illustrative Apr. 2019 – Sep. 2019	Illustrative Oct. 2018 – Sep. 2019
SOS rate	11.876¢/kWh	7.846¢/kWh	9.824¢/kWh
Monthly bill increase/(decrease)	$38.39/20.8%	($41.98)/ (18.8%)	$17.02/9.2%

The Narragansett Electric Company
d/b/a National Grid

Standard Offer Service Prices (cents per kWh at retail)
Residential Group: October 2018 through March 2019
Commercial Group: October 2018 through March 2019
Industrial Group: October 2018 through December 2018

Power Supply
¢ per kWh

Contract Month	1	2	3	4	5	6
Calendar Month	October	November	December	January	February	March
Year	2018	2018	2018	2019	2019	2019
Customer Group						
Residential (1)	10.062	10.101	11.321	13.838	14.347	11.127
Commercial Group (1)	9.506	9.908	11.691	13.886	14.370	10.951
Industrial Group	8.389	8.748	11.320	n/a	n/a	n/a

Footnotes:

1) Monthly prices calculated as the sum of the average cost of supply (converted to retail delivery) as provided in a confidential submission under separate cover plus estimated cost of providing 10% of Residential and Commercial Customer supply for the period October 2018 through March 2019 through spot market purchases.

The Narragansett Electric Company
d/b/a National Grid
Commercial Group Standard Offer Service Charge
(Rates C-06, G-02 and SL)
Based on Weighted Average Effective Standard Offer Service Prices
October 2018 through March 2019

Section 1: Percentage of Commercial Group kWhs Attributable to Standard Offer Service

(1)	Commercial Group Standard Offer Service kWhs - June 2018	82,886,041
(2)	Total Commercial Group kWhs - June 2018	157,690,274
(3)	Percentage of Commercial Group Standard Offer Service kWhs to Total Commercial Customer kWhs	52.56%

Section 2: Projected Commercial Group Standard Offer Service kWhs

		2018 October (a)	November (b)	December (c)	January (d)	February (e)	March (f)	Total (g)
(4)	Projected Total Company Commercial Group kWhs	160,663,023	149,846,373	160,804,532	167,755,511	157,879,217	152,643,340	949,591,995
(5)	Percentage of Commercial Group Standard Offer Service kWhs to Total Commercial Customer kWhs	52.56%	52.56%	52.56%	52.56%	52.56%	52.56%	
(6)	Projected Commercial Group Standard Offer Service kWhs	84,444,485	78,759,253	84,518,862	88,172,296	82,981,317	80,229,339	499,105,553

Section 3: Weighted Average Commercial Group Standard Offer Service Charge

(7)	Projected Commercial Group Standard Offer Service kWhs	84,444,485	78,759,253	84,518,862	88,172,296	82,981,317	80,229,339	499,105,553
(8)	Estimated Commercial Group Standard Offer Service Price per kWh	$0.09506	$0.09908	$0.11691	$0.13886	$0.14370	$0.10951	
(9)	Projected Commercial Group Standard Offer Service Cost	$8,027,293	$7,803,467	$9,881,100	$12,243,605	$11,924,415	$8,785,915	$58,665,795
(10)	Weighted Average Commercial Group Base Standard Offer Service Charge							$0.11754
(11)	Monthly and Weighted Average Standard Offer Service Base Price per kWh	$0.09506	$0.09908	$0.11691	$0.13886	$0.14370	$0.10951	$0.11754
(12)	Standard Offer Service Administrative Cost Factor	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159
(13)	Standard Offer Adjustment Factor	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)
(14)	Renewable Energy Standard Charge	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004
(15)	Total Estimated Standard Offer Service Price per kWh	$0.09628	$0.10030	$0.11813	$0.14008	$0.14492	$0.11073	$0.11876
(16)	Currently Effective Commercial Group Standard Offer Service Charge							$0.08190
(17)	Proposed Increase/(Decrease) to Commercial Group Standard Offer Service Charge							$0.03686

(1) Per Company revenue reports (Rates C-06, G-02 and SL) - June 2018
(2) Per Company revenue reports (Rates C-06, G-02 and SL) - June 2018
(3) Line (1) ÷ Line (2), rounded to four decimal places
(4) Per Company forecast for Commercial Group rates
(5) Line (3)
(6) Line (4) x Line (5)
(7) Line (6)
(8) Attachment 1, Page 1, (truncated to 5 decimal places)
(9) Line (7) x Line (8)
(10) Line (9) total ÷ Line (7) total, truncated after 5 decimal places
(11) Line (8) for monthly prices and Line (10) for weighted average price
(12) per Summary of Rates, Standard Offer Service, RIPUC No. 2096, issued 4/16/18)
(13) per Summary of Rates, Standard Offer Service, RIPUC No. 2096, issued 4/16/18)
(14) per Summary of Rates, Standard Offer Service, RIPUC No. 2096, issued 4/16/18)
(15) Sum of Lines (11) through (14)
(16) per Summary of Rates, Standard Offer Service, RIPUC No. 2096, issued 4/16/18)
(17) Line (15) total - Line (16)

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4692
Attachment 3
Page 3 of 6

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

Monthly kWh (a)	Present Rates Delivery Services (b)	Present Rates Supply Services (c)	Present Rates GET (d)	Present Rates Total (e)	Proposed Rates Effective October 1, 2018 Delivery Services (b)	Proposed Rates Supply Services (c)	Proposed Rates GET (d)	Proposed Rates Total (e)	$ Increase (Decrease) Delivery Services (f)	$ Increase (Decrease) Supply Services (g)	$ Increase (Decrease) GET (h)	$ Increase (Decrease) Total (i)	Increase (Decrease) % of Total Bill Delivery Services (j)	Increase (Decrease) % of Total Bill Supply Services (k)	Increase (Decrease) % of Total Bill GET (l)	Increase (Decrease) % of Total Bill Total (m)	Percentage of Customers (n)
250	$32.95	$20.48	$2.23	$55.66	$32.95	$29.69	$2.61	$65.25	$0.00	$9.21	$0.38	$9.59	0.0%	16.5%	0.7%	17.2%	56.3%
500	$53.83	$40.95	$3.95	$98.73	$53.83	$59.38	$4.72	$117.93	$0.00	$18.43	$0.77	$19.20	0.0%	18.7%	0.8%	19.4%	16.9%
1,000	$95.58	$81.90	$7.40	$184.88	$95.58	$118.76	$8.93	$223.27	$0.00	$36.86	$1.53	$38.39	0.0%	19.9%	0.8%	20.8%	8.1%
1,500	$137.34	$122.85	$10.84	$271.03	$137.34	$178.14	$13.15	$328.63	$0.00	$55.29	$2.31	$57.60	0.0%	20.4%	0.9%	21.3%	5.0%
2,000	$179.09	$163.80	$14.29	$357.18	$179.09	$237.52	$17.36	$433.97	$0.00	$73.72	$3.07	$76.79	0.0%	20.6%	0.9%	21.5%	13.6%

		Present Rates (o)	Proposed Rates Effective October 1, 2018 (p)	Line Item on Bill
(1)	Distribution Customer Charge	$10.00	$10.00	Customer Charge
(2)	LIHEAP Enhancement Charge	$0.81	$0.81	LIHEAP Enhancement Charge
(3)	Renewable Energy Growth Program Charge	$1.26	$1.26	RE Growth Program
(4)	Distribution Charge (per kWh)	$0.03253	$0.03253	Distribution Energy Charge
(5)	Operating & Maintenance Expense Charge	$0.00176	$0.00176	
(6)	Operating & Maintenance Expense Reconciliation Factor	($0.00001)	($0.00001)	
(7)	FY18 CapEx Factor Charge	$0.00322	$0.00322	
(8)	CapEx Reconciliation Factor	($0.00119)	($0.00119)	
(9)	Revenue Decoupling Adjustment Factor	$0.00184	$0.00184	
(10)	Pension Adjustment Factor	($0.00085)	($0.00085)	
(11)	Storm Fund Replenishment Factor	$0.00288	$0.00288	
(12)	Arrearage Management Adjustment Factor	$0.00002	$0.00002	
(13)	Long-term Contracting for Renewable Energy Charge	$0.00647	$0.00647	Renewable Energy Distribution Charge
(14)	Net Metering Charge	$0.00043	$0.00043	
(15)	Base Transmission Charge	$0.03167	$0.03167	Transmission Charge
(16)	Transmission Adjustment Factor	($0.00474)	($0.00474)	
(17)	Transmission Uncollectible Factor	$0.00033	$0.00033	
(18)	Base Transition Charge	($0.00083)	($0.00083)	Transition Charge
(19)	Transition Adjustment	($0.00004)	($0.00004)	
(20)	Energy Efficiency Program Charge	$0.01002	$0.01002	Energy Efficiency Programs
(21)	Standard Offer Service Base Charge	$0.08068	$0.11754	Supply Services Energy Charge
(22)	SOS Adjustment Factor	($0.00041)	($0.00041)	
(23)	SOS Adminstrative Cost Adjustment Factor	$0.00159	$0.00159	
(24)	Renewable Energy Standard Charge	$0.00004	$0.00004	
	Line Item on Bill			
(25)	Customer Charge	$10.00	$10.00	
(26)	LIHEAP Enhancement Charge	$0.81	$0.81	
(27)	RE Growth Program	$1.26	$1.26	
(28)	Transmission Charge	$0.02726	$0.02726	
(29)	Distribution Energy Charge	$0.04020	$0.04020	
(30)	Transition Charge	($0.00087)	($0.00087)	
(31)	Energy Efficiency Programs	$0.01002	$0.01002	
(32)	Renewable Energy Distribution Charge	$0.00690	$0.00690	
(33)	Supply Services Energy Charge	$0.08190	$0.11876	

Column (o): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Column (p): Lines (1) through (20), (22) through (24) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Line (21): Proposed Commercial Standard Offer Service Base Rate per Schedule Attachment 1, Page 4, Line (10), Column (g)

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

			Present Rates				Proposed Rates Effective October 1, 2018				$ Increase (Decrease)				Increase (Decrease) % of Total Bill			
kW	Monthly Power Hours Use (a)	kWh	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (f)	Supply Services (g)	GET (h)	Total (i)	Delivery Services (j)	Supply Services (k)	GET (l)	Total (m)
20	200	4,000	$432.32	$327.60	$31.66	$791.58	$432.32	$475.04	$37.81	$945.17	$0.00	$147.44	$6.15	$153.59	0.0%	18.6%	0.8%	19.4%
50	200	10,000	$944.06	$819.00	$73.46	$1,836.52	$944.06	$1,187.60	$88.82	$2,220.48	$0.00	$368.60	$15.36	$383.96	0.0%	20.1%	0.8%	20.9%
100	200	20,000	$1,796.96	$1,638.00	$143.12	$3,578.08	$1,796.96	$2,375.20	$173.84	$4,346.00	$0.00	$737.20	$30.72	$767.92	0.0%	20.6%	0.9%	21.5%
150	200	30,000	$2,649.86	$2,457.00	$212.79	$5,319.65	$2,649.86	$3,562.80	$258.86	$6,471.52	$0.00	$1,105.80	$46.07	$1,151.87	0.0%	20.8%	0.9%	21.7%
20	300	6,000	$502.70	$491.40	$41.42	$1,035.52	$502.70	$712.56	$50.64	$1,265.90	$0.00	$221.16	$9.22	$230.38	0.0%	21.4%	0.9%	22.2%
50	300	15,000	$1,120.01	$1,228.50	$97.85	$2,446.36	$1,120.01	$1,781.40	$120.89	$3,022.30	$0.00	$552.90	$23.04	$575.94	0.0%	22.6%	0.9%	23.5%
100	300	30,000	$2,148.86	$2,457.00	$191.91	$4,797.77	$2,148.86	$3,562.80	$237.99	$5,949.65	$0.00	$1,105.80	$46.08	$1,151.88	0.0%	23.0%	1.0%	24.0%
150	300	45,000	$3,177.71	$3,685.50	$285.97	$7,149.18	$3,177.71	$5,344.20	$355.08	$8,876.99	$0.00	$1,658.70	$69.11	$1,727.81	0.0%	23.2%	1.0%	24.2%
20	400	8,000	$573.08	$655.20	$51.18	$1,279.46	$573.08	$950.08	$63.47	$1,586.63	$0.00	$294.88	$12.29	$307.17	0.0%	23.0%	1.0%	24.0%
50	400	20,000	$1,295.96	$1,638.00	$122.25	$3,056.21	$1,295.96	$2,375.20	$152.97	$3,824.13	$0.00	$737.20	$30.72	$767.92	0.0%	24.1%	1.0%	25.1%
100	400	40,000	$2,500.76	$3,276.00	$240.70	$6,017.46	$2,500.76	$4,750.40	$302.13	$7,553.29	$0.00	$1,474.40	$61.43	$1,535.83	0.0%	24.5%	1.0%	25.5%
150	400	60,000	$3,705.56	$4,914.00	$359.15	$8,978.71	$3,705.56	$7,125.60	$451.30	$11,282.46	$0.00	$2,211.60	$92.15	$2,303.75	0.0%	24.6%	1.0%	25.7%
20	500	10,000	$643.46	$819.00	$60.94	$1,523.40	$643.46	$1,187.60	$76.29	$1,907.35	$0.00	$368.60	$15.35	$383.95	0.0%	24.2%	1.0%	25.2%
50	500	25,000	$1,471.91	$2,047.50	$146.64	$3,666.05	$1,471.91	$2,969.00	$185.04	$4,625.95	$0.00	$921.50	$38.40	$959.90	0.0%	25.1%	1.0%	26.2%
100	500	50,000	$2,852.66	$4,095.00	$289.49	$7,237.15	$2,852.66	$5,938.00	$366.28	$9,156.94	$0.00	$1,843.00	$76.79	$1,919.79	0.0%	25.5%	1.1%	26.5%
150	500	75,000	$4,233.41	$6,142.50	$432.33	$10,808.24	$4,233.41	$8,907.00	$547.52	$13,687.93	$0.00	$2,764.50	$115.19	$2,879.69	0.0%	25.6%	1.1%	26.6%
20	600	12,000	$713.84	$982.80	$70.69	$1,767.33	$713.84	$1,425.12	$89.12	$2,228.08	$0.00	$442.32	$18.43	$460.75	0.0%	25.0%	1.0%	26.1%
50	600	30,000	$1,647.86	$2,457.00	$171.04	$4,275.90	$1,647.86	$3,562.80	$217.11	$5,427.77	$0.00	$1,105.80	$46.07	$1,151.87	0.0%	25.9%	1.1%	26.9%
100	600	60,000	$3,204.56	$4,914.00	$338.27	$8,456.83	$3,204.56	$7,125.60	$430.42	$10,760.58	$0.00	$2,211.60	$92.15	$2,303.75	0.0%	26.2%	1.1%	27.2%
150	600	90,000	$4,761.26	$7,371.00	$505.51	$12,637.77	$4,761.26	$10,688.40	$643.74	$16,093.40	$0.00	$3,317.40	$138.23	$3,455.63	0.0%	26.2%	1.1%	27.3%

		Present Rates (o)	Proposed Rates Effective October 1, 2018 (p)	Line Item on Bill
(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 Program 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	$0.00128	$0.00128	
(7)	Operating & Maintenance Expense Reconciliation Factor	($0.00001)	($0.00001)	
(8)	FY18 CapEx Factor Demand Charge (per kW > 10kW)	$0.80	$0.80	
(9)	CapEx Reconciliation Factor	($0.00098)	($0.00098)	Distribution Energy Charge
(10)	Revenue Decoupling Adjustment Factor	$0.00184	$0.00184	
(11)	Pension Adjustment Factor	($0.00085)	($0.00085)	
(12)	Storm Fund Replenishment Factor	$0.00288	$0.00288	
(13)	Arrearage Management Adjustment Factor	$0.00002	$0.00002	
(14)	Long-term Contracting for Renewable Energy Charge	$0.00647	$0.00647	Renewable Energy Distribution Charge
(15)	Net Metering Charge	$0.00043	$0.00043	
(16)	Transmission Demand Charge	$4.37	$4.37	Transmission Demand Charge
(17)	Base Transmission Charge	$0.01231	$0.01231	
(18)	Transmission Adjustment Factor	($0.00236)	($0.00236)	Transmission Adjustment
(19)	Transmission Uncollectible Factor	$0.00033	$0.00033	
(20)	Base Transition Charge	($0.00083)	($0.00083)	Transition Charge
(21)	Transition Adjustment	($0.00004)	($0.00004)	
(22)	Energy Efficiency Program Charge	$0.01002	$0.01002	Energy Efficiency Programs
(23)	Standard Offer Service Base Charge	$0.08068	$0.11754	
(24)	SOS Adjustment Factor	($0.00041)	($0.00041)	Supply Services Energy Charge
(25)	SOS Adminstrative Cost Adjustment Factor	$0.00159	$0.00159	
(26)	Renewable Energy Standard Charge	$0.00004	$0.00004	
	Line Item on Bill			
(27)	Customer Charge	$135.00	$135.00	
(29)	LIHEAP Enhancement Charge	$0.81	$0.81	
(28)	RE Growth Program	$11.85	$11.85	
(30)	Transmission Adjustment	$0.01028	$0.01028	
(31)	Distribution Energy Charge	$0.00886	$0.00886	
(32)	Distribution Demand Charge	$5.65	$5.65	
(33)	Transmission Demand Charge	$4.37	$4.37	
(32)	Transition Charge	($0.00087)	($0.00087)	
(33)	Energy Efficiency Programs	$0.01002	$0.01002	
(34)	Renewable Energy Distribution Charge	$0.00690	$0.00690	
(35)	Supply Services Energy Charge	$0.08190	$0.11876	

Column (o): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Column (p): Lines (1) through (22), (24) through (26) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Line (21): Proposed Commercial Standard Offer Service Base Rate per Schedule Attachment 1, Page 4, Line (10), Column (g)

The Narragansett Electric Company
d/b/a National Grid
Standard Offer Service Prices (cents per kWh at retail)
Commercial Group: April 2019 through September 2019

Power Supply

¢ per kWh

Contract Month	1	2	3	4	5	6
Calendar Month	April	May	June	July	August	September
Year	2019	2019	2019	2019	2019	2019
Customer Group						
Commercial Group (1)	9.969	9.435	6.702	6.990	6.911	6.830

Footnotes:

(1) Illustrative monthly prices calculated as the sum of the average cost of supply (converted to retail delivery) as provided in RIPUC No. 4692, Attachment 5 (Confidential), Page 25 of 25; July 11, 2018 Final Bid Prices (¢ / kWh) at Retail Customer Meter, Excluding RES Compliance.

The Narragansett Electric Company
d/b/a National Grid

Illustrative Commercial Group Standard Offer Service Charge
(Rates C-06, G-02 and SL)
Based on Weighted Average Effective Standard Offer Service Prices
April 2019 through September 2019

Section 1: Percentage of Commercial kWhs Attributable to Standard Offer Service

(1)	Commercial Standard Offer Service kWhs - June 2018	82,886,041
(2)	Total Commercial kWhs - June 2018	157,690,274
(3)	Percentage of Commercial Standard Offer Service kWhs to Total Commercial kWhs	52.56%

Section 2: Projected Commercial Standard Offer Service kWhs

		2019 April (a)	May (b)	June (c)	July (d)	August (e)	September (f)	Total (g)
(4)	Projected Total Company Commercial kWhs	149,259,642	149,290,499	153,630,931	175,064,178	185,772,014	172,041,904	985,059,169
(5)	Percentage of Commercial Standard Offer Service kWhs to Total Commercial kWhs	52.56%	52.56%	52.56%	52.56%	52.56%	52.56%	
(6)	Projected Commercial Standard Offer Service kWhs	78,450,868	78,467,087	80,748,417	92,013,732	97,641,771	90,425,225	517,747,099

Section 3: Weighted Average Commercial Standard Offer Service Charge

(7)	Projected Commercial Standard Offer Service kWhs	78,450,868	78,467,087	80,748,417	92,013,732	97,641,771	90,425,225	517,747,099
(8)	Estimated Commercial Standard Offer Service Price per kWh	$0.09969	$0.09435	$0.06702	$0.06990	$0.06911	$0.06830	
(9)	Projected Commercial Standard Offer Service Cost	$7,820,767	$7,403,370	$5,411,759	$6,431,760	$6,748,023	$6,176,043	$39,991,722
(10)	Weighted Average Commercial Base Standard Offer Service Charge							$0.07724
(11)	Monthly and Weighted Average Standard Offer Service Base Price per kWh	$0.09969	$0.09435	$0.06702	$0.06990	$0.06911	$0.06830	$0.07724
(12)	Standard Offer Service Administrative Cost Factor	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159
(13)	Standard Offer Adjustment Factor	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)
(14)	Renewable Energy Standard Charge	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004
(15)	Total Estimated Standard Offer Service Price per kWh	$0.10091	$0.09557	$0.06824	$0.07112	$0.07033	$0.06952	$0.07846
(16)	Proposed Standard Offer Service Rate							$0.11876
(17)	Proposed Increase/(Decrease) to Commercial Standard Offer Service Charge							($0.04030)

(1) Per Company revenue reports (Rates C-06, G-02 and SL) - June 2018
(2) Per Company revenue reports (Rates C-06, G-02 and SL) - June 2018
(3) Line (1) ÷ Line (2), rounded to four decimal places
(4) Per Company forecast for Commercial rates
(5) Line (3)
(6) Line (4) x Line (5)
(7) Line (6)
(8) Illustrative bid prices per Page 1
(9) Line (7) x Line (8)
(10) Line (9) total ÷ Line (7) total, truncated after 5 decimal places
(11) Line (8) for monthly prices and Line (10) for weighted average price
(12) per Summary of Rates, Standard Offer Service, RIPUC No. 2096, issued 4/16/18)
(13) per Summary of Rates, Standard Offer Service, RIPUC No. 2096, issued 4/16/18)
(14) per Summary of Rates, Standard Offer Service, RIPUC No. 2096, issued 4/16/18)
(15) Sum of Lines (11) through (14)
(16) proposed Oct. 2018 - Mar. 2019 Standard Offer Service Rate as per McKee 1-1(a), Page 2, Line (15), Column (g)
(17) Line (15) total - Line (16)

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

Current delivery rates as of July 1, 2018, and proposed SOS Rates for Oct. 2018 - Mar. 2019					Illustrative SOS Rates Effective April 1, 2019				$ Increase (Decrease)				Increase (Decrease) % of Total Bill				Percentage of Customers
Monthly kWh (a)	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (f)	Supply Services (g)	GET (h)	Total (i)	Delivery Services (j)	Supply Services (k)	GET (l)	Total (m)	(n)
250	$32.95	$29.69	$2.61	$65.25	$32.95	$19.62	$2.19	$54.76	$0.00	($10.07)	($0.42)	($10.49)	0.0%	-15.4%	-0.6%	-16.1%	56.3%
500	$53.83	$59.38	$4.72	$117.93	$53.83	$39.23	$3.88	$96.94	$0.00	($20.15)	($0.84)	($20.99)	0.0%	-17.1%	-0.7%	-17.8%	16.9%
1,000	$95.58	$118.76	$8.93	$223.27	$95.58	$78.46	$7.25	$181.29	$0.00	($40.30)	($1.68)	($41.98)	0.0%	-18.0%	-0.8%	-18.8%	8.1%
1,500	$137.34	$178.14	$13.15	$328.63	$137.34	$117.69	$10.63	$265.66	$0.00	($60.45)	($2.52)	($62.97)	0.0%	-18.4%	-0.8%	-19.2%	5.0%
2,000	$179.09	$237.52	$17.36	$433.97	$179.09	$156.92	$14.00	$350.01	$0.00	($80.60)	($3.36)	($83.96)	0.0%	-18.6%	-0.8%	-19.3%	13.6%

	Current delivery rates as of July 1, 2018, and proposed SOS Rates for Oct. 2018 - Mar. 2019	Illustrative SOS Rates Effective April 1, 2019	Line Item on Bill
	(o)	(p)	
(1) Distribution Customer Charge	$10.00	$10.00	Customer Charge
(2) LIHEAP Enhancement Charge	$0.81	$0.81	LIHEAP Enhancement Charge
(3) Renewable Energy Growth Program Charge	$1.26	$1.26	RE Growth Program
(4) Distribution Charge (per kWh)	$0.03253	$0.03253	Distribution Energy Charge
(5) Operating & Maintenance Expense Charge	$0.00176	$0.00176	
(6) Operating & Maintenance Expense Reconciliation Factor	($0.00001)	($0.00001)	
(7) FY18 CapEx Factor Charge	$0.00322	$0.00322	
(8) CapEx Reconciliation Factor	($0.00119)	($0.00119)	
(9) Revenue Decoupling Adjustment Factor	$0.00184	$0.00184	
(10) Pension Adjustment Factor	($0.00085)	($0.00085)	
(11) Storm Fund Replenishment Factor	$0.00288	$0.00288	
(12) Arrearage Management Adjustment Factor	$0.00002	$0.00002	
(13) Long-term Contracting for Renewable Energy Charge	$0.00647	$0.00647	Renewable Energy Distribution Charge
(14) Net Metering Charge	$0.00043	$0.00043	
(15) Base Transmission Charge	$0.03167	$0.03167	Transmission Charge
(16) Transmission Adjustment Factor	($0.00474)	($0.00474)	
(17) Transmission Uncollectible Factor	$0.00033	$0.00033	
(18) Base Transition Charge	($0.00083)	($0.00083)	Transition Charge
(19) Transition Adjustment	($0.00004)	($0.00004)	
(20) Energy Efficiency Program Charge	$0.01002	$0.01002	Energy Efficiency Programs
(21) Standard Offer Service Base Charge	$0.11754	$0.07724	Supply Services Energy Charge
(22) SOS Adjustment Factor	($0.00041)	($0.00041)	
(23) SOS Adminstrative Cost Adjustment Factor	$0.00159	$0.00159	
(24) Renewable Energy Standard Charge	$0.00004	$0.00004	
Line Item on Bill			
(25) Customer Charge	$10.00	$10.00	
(26) LIHEAP Enhancement Charge	$0.81	$0.81	
(27) RE Growth Program	$1.26	$1.26	
(28) Transmission Charge	$0.02726	$0.02726	
(29) Distribution Energy Charge	$0.04020	$0.04020	
(30) Transition Charge	($0.00087)	($0.00087)	
(31) Energy Efficiency Programs	$0.01002	$0.01002	
(32) Renewable Energy Distribution Charge	$0.00690	$0.00690	
(33) Supply Services Energy Charge	$0.11876	$0.07846	

Column (o): Lines (1) through (20) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018; Line (21) per proposed Standard Offer Service Rate for Commercial Customers, Attachment 1, Page 4, Line (10); Lines (22) through (24) per Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Column (p): Lines (1) through (20), (22) through (24) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Line (21): Illustrative Commercial Standard Offer Service Base Rate per Page 2, Line (10), Column (g)

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

Current delivery rates as of July 1, 2018, and proposed SOS Rates for Oct. 2018 - Mar. 2019							Illustrative SOS Rates Effective April 1, 2019				$ Increase (Decrease)				Increase (Decrease) % of Total Bill			
kW	Monthly Hours Use (a)	kWh	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (f)	Supply Services (g)	GET (h)	Total (i)	Delivery Services (j)	Supply Services (k)	GET (l)	Total (m)
20	200	4,000	$432.32	$475.04	$37.81	$945.17	$432.32	$313.84	$31.09	$777.25	$0.00	($161.20)	($6.72)	($167.92)	0.0%	-17.1%	-0.7%	-17.8%
50	200	10,000	$944.06	$1,187.60	$88.82	$2,220.48	$944.06	$784.60	$72.03	$1,800.69	$0.00	($403.00)	($16.79)	($419.79)	0.0%	-18.1%	-0.8%	-18.9%
100	200	20,000	$1,796.96	$2,375.20	$173.84	$4,346.00	$1,796.96	$1,569.20	$140.26	$3,506.42	$0.00	($806.00)	($33.58)	($839.58)	0.0%	-18.5%	-0.8%	-19.3%
150	200	30,000	$2,649.86	$3,562.80	$258.86	$6,471.52	$2,649.86	$2,353.80	$208.49	$5,212.15	$0.00	($1,209.00)	($50.37)	($1,259.37)	0.0%	-18.7%	-0.8%	-19.5%
20	300	6,000	$502.70	$712.56	$50.64	$1,265.90	$502.70	$470.76	$40.56	$1,014.02	$0.00	($241.80)	($10.08)	($251.88)	0.0%	-19.1%	-0.8%	-19.9%
50	300	15,000	$1,120.01	$1,781.40	$120.89	$3,022.30	$1,120.01	$1,176.90	$95.70	$2,392.61	$0.00	($604.50)	($25.19)	($629.69)	0.0%	-20.0%	-0.8%	-20.8%
100	300	30,000	$2,148.86	$3,562.80	$237.99	$5,949.65	$2,148.86	$2,353.80	$187.61	$4,690.27	$0.00	($1,209.00)	($50.38)	($1,259.38)	0.0%	-20.3%	-0.8%	-21.2%
150	300	45,000	$3,177.71	$5,344.20	$355.08	$8,876.99	$3,177.71	$3,530.70	$279.52	$6,987.93	$0.00	($1,813.50)	($75.56)	($1,889.06)	0.0%	-20.4%	-0.9%	-21.3%
20	400	8,000	$573.08	$950.08	$63.47	$1,586.63	$573.08	$627.68	$50.03	$1,250.79	$0.00	($322.40)	($13.44)	($335.84)	0.0%	-20.3%	-0.8%	-21.2%
50	400	20,000	$1,295.96	$2,375.20	$152.97	$3,824.13	$1,295.96	$1,569.20	$119.38	$2,984.54	$0.00	($806.00)	($33.59)	($839.59)	0.0%	-21.1%	-0.9%	-22.0%
100	400	40,000	$2,500.76	$4,750.40	$302.13	$7,553.29	$2,500.76	$3,138.40	$234.97	$5,874.13	$0.00	($1,612.00)	($67.16)	($1,679.16)	0.0%	-21.3%	-0.9%	-22.2%
150	400	60,000	$3,705.56	$7,125.60	$451.30	$11,282.46	$3,705.56	$4,707.60	$350.55	$8,763.71	$0.00	($2,418.00)	($100.75)	($2,518.75)	0.0%	-21.4%	-0.9%	-22.3%
20	500	10,000	$643.46	$1,187.60	$76.29	$1,907.35	$643.46	$784.60	$59.50	$1,487.56	$0.00	($403.00)	($16.79)	($419.79)	0.0%	-21.1%	-0.9%	-22.0%
50	500	25,000	$1,471.91	$2,969.00	$185.04	$4,625.95	$1,471.91	$1,961.50	$143.06	$3,576.47	$0.00	($1,007.50)	($41.98)	($1,049.48)	0.0%	-21.8%	-0.9%	-22.7%
100	500	50,000	$2,852.66	$5,938.00	$366.28	$9,156.94	$2,852.66	$3,923.00	$282.32	$7,057.98	$0.00	($2,015.00)	($83.96)	($2,098.96)	0.0%	-22.0%	-0.9%	-22.9%
150	500	75,000	$4,233.41	$8,907.00	$547.52	$13,687.93	$4,233.41	$5,884.50	$421.58	$10,539.49	$0.00	($3,022.50)	($125.94)	($3,148.44)	0.0%	-22.1%	-0.9%	-23.0%
20	600	12,000	$713.84	$1,425.12	$89.12	$2,228.08	$713.84	$941.52	$68.97	$1,724.33	$0.00	($483.60)	($20.15)	($503.75)	0.0%	-21.7%	-0.9%	-22.6%
50	600	30,000	$1,647.86	$3,562.80	$217.11	$5,427.77	$1,647.86	$2,353.80	$166.74	$4,168.40	$0.00	($1,209.00)	($50.37)	($1,259.37)	0.0%	-22.3%	-0.9%	-23.2%
100	600	60,000	$3,204.56	$7,125.60	$430.42	$10,760.58	$3,204.56	$4,707.60	$329.67	$8,241.83	$0.00	($2,418.00)	($100.75)	($2,518.75)	0.0%	-22.5%	-0.9%	-23.4%
150	600	90,000	$4,761.26	$10,688.40	$643.74	$16,093.40	$4,761.26	$7,061.40	$492.61	$12,315.27	$0.00	($3,627.00)	($151.13)	($3,778.13)	0.0%	-22.5%	-0.9%	-23.5%

		Current delivery rates as of July 1, 2018, and proposed SOS Rates for Oct. 2018 - Mar. 2019 (o)	Illustrative SOS Rates Effective April 1, 2019 (p)	Line Item on Bill
(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 Program 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	Distribution Energy Charge
(6)	Operating & Maintenance Expense Charge	$0.00128	$0.00128	
(7)	Operating & Maintenance Expense Reconciliation Factor	($0.00001)	($0.00001)	
(8)	FY18 CapEx Factor Demand Charge (per kW > 10kW)	$0.80	$0.80	
(9)	CapEx Reconciliation Factor	($0.00098)	($0.00098)	
(10)	Revenue Decoupling Adjustment Factor	$0.00184	$0.00184	
(11)	Pension Adjustment Factor	($0.00085)	($0.00085)	
(12)	Storm Fund Replenishment Factor	$0.00288	$0.00288	
(13)	Arrearage Management Adjustment Factor	$0.00002	$0.00002	
(14)	Long-term Contracting for Renewable Energy Charge	$0.00647	$0.00647	Renewable Energy Distribution Charge
(15)	Net Metering Charge	$0.00043	$0.00043	
(16)	Transmission Demand Charge	$4.37	$4.37	Transmission Demand Charge
(17)	Base Transmission Charge	$0.01231	$0.01231	Transmission Adjustment
(18)	Transmission Adjustment Factor	($0.00236)	($0.00236)	
(19)	Transmission Uncollectible Factor	$0.00033	$0.00033	
(20)	Base Transition Charge	($0.00083)	($0.00083)	Transition Charge
(21)	Transition Adjustment	($0.00004)	($0.00004)	
(22)	Energy Efficiency Program Charge	$0.01002	$0.01002	Energy Efficiency Programs
(23)	Standard Offer Service Base Charge	$0.11754	$0.07724	Supply Services Energy Charge
(24)	SOS Adjustment Factor	($0.00041)	($0.00041)	
(25)	SOS Adminstrative Cost Adjustment Factor	$0.00159	$0.00159	
(26)	Renewable Energy Standard Charge	$0.00004	$0.00004	
	Line Item on Bill			
(27)	Customer Charge	$135.00	$135.00	
(29)	LIHEAP Enhancement Charge	$0.81	$0.81	
(28)	RE Growth Program	$11.85	$11.85	
(30)	Transmission Adjustment	$0.01028	$0.01028	
(31)	Distribution Energy Charge	$0.00886	$0.00886	
(32)	Distribution Demand Charge	$5.65	$5.65	
(33)	Transmission Demand Charge	$4.37	$4.37	
(32)	Transition Charge	($0.00087)	($0.00087)	
(33)	Energy Efficiency Programs	$0.01002	$0.01002	
(34)	Renewable Energy Distribution Charge	$0.00690	$0.00690	
(35)	Supply Services Energy Charge	$0.11876	$0.07846	

Column (o): Lines (1) through (20) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018; Line (21) per proposed Standard Offer Service Rate for Commercial Customers, Attachment 1, Page 4, Line (10); Lines (22) through (24) per Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Column (p): Lines (1) through (22), (24) through (26) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Line (21): Illustrative Commercial Standard Offer Service Base Rate per Page 2, Line (10), Column (g)

The Narragansett Electric Company
d/b/a National Grid

Illustrative Standard Offer Service Prices (cents per kWh at retail)
Commercial Group: October 2018 through September 2019

Power Supply
¢ per kWh

Contract Month	1	2	3	4	5	6	7	8	9	10	11	12
Calendar Month	October	November	December	January	February	March	April	May	June	July	August	September
Year	2018	2018	2018	2019	2019	2019	2019	2019	2019	2019	2019	2019
Customer Group												
Commercial (1)	9.506	9.908	11.691	13.886	14.370	10.951	9.969	9.435	6.702	6.990	6.911	6.830

Footnotes: (1) Monthly prices calculated as the sum of the average cost of supply (converted to retail delivery) as provided in as provided in RIPUC No. 4692, Attachment 5 (Confidential), Page 25 of 25, plus estimated cost of providing 10% of Residential and Commercial Customer supply for the period October 2018 through March 2019 through spot market purchases; April 2019 - September 2019 Illustrative monthly prices calculated as the sum of the average cost of supply (converted to retail delivery) as provided in RIPUC No. 4692, Attachment 5 (Confidential), Page 25 of 25; July 11, 2018 Final Bid Prices (¢ / kWh) at Retail Customer Meter, Excluding RES Compliance.

The Narragansett Electric Company
d/b/a National Grid
Commercial Group Standard Offer Service Charge
(Rates C-06, G-02 and SL)
Based on Weighted Average Effective Standard Offer Service Prices
October 2018 through September 2019

Section 1: Percentage of Commercial kWhs Attributable to Standard Offer Service

(1)	Commercial Standard Offer Service kWhs - June 2018	82,886,041
(2)	Total Commercial kWhs - June 2018	157,690,274
(3)	Percentage of Commercial Standard Offer Service kWhs to Total Commercial kWhs	52.56%

Section 2: Projected Commercial Standard Offer Service kWhs

		2018 October (a)	November (b)	December (c)	2019 January (d)	February (e)	March (f)	April (g)	May (h)	June (i)	July (j)	August (k)	September (l)	Total (m)
(4)	Projected Total Company Commercial kWhs	160,663,023	149,846,373	160,804,532	167,755,511	157,879,217	152,643,340	149,259,642	149,290,499	153,630,931	175,064,178	185,772,014	172,041,904	1,934,651,164
(5)	Percentage of Commercial Standard Offer Service kWhs to Total Commercial kWhs	52.56%	52.56%	52.56%	52.56%	52.56%	52.56%	52.56%	52.56%	52.56%	52.56%	52.56%	52.56%	
(6)	Projected Commercial Standard Offer Service kWhs	84,444,485	78,759,253	84,518,862	88,172,296	82,981,317	80,229,339	78,450,868	78,467,087	80,748,417	92,013,732	97,641,771	90,425,225	1,016,852,652

Section 3: Weighted Average Commercial Standard Offer Service Charge

(7)	Projected Commercial Standard Offer Service kWhs	84,444,485	78,759,253	84,518,862	88,172,296	82,981,317	80,229,339	78,450,868	78,467,087	80,748,417	92,013,732	97,641,771	90,425,225	1,016,852,652
(8)	Estimated Commercial Standard Offer Service Price per kWh	$0.09506	$0.09908	$0.11691	$0.13886	$0.14370	$0.10951	$0.09969	$0.09435	$0.06702	$0.06990	$0.06911	$0.06830	
(9)	Projected Commercial Standard Offer Service Cost	$8,027,293	$7,803,467	$9,881,100	$12,243,605	$11,924,415	$8,785,915	$7,820,767	$7,403,370	$5,411,759	$6,431,760	$6,748,023	$6,176,043	$98,657,517
(10)	Weighted Average Commercial Base Standard Offer Service Charge													$0.09702
(11)	Monthly and Weighted Average Standard Offer Service Base Price per kWh	$0.09506	$0.09908	$0.11691	$0.13886	$0.14370	$0.10951	$0.09969	$0.09435	$0.06702	$0.06990	$0.06911	$0.06830	$0.09702
(12)	Standard Offer Service Administrative Cost Factor	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159	$0.00159
(13)	Standard Offer Adjustment Factor	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)	($0.00041)
(14)	Renewable Energy Standard Charge	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004	$0.00004
(15)	Total Estimated Standard Offer Service Price per kWh	$0.09628	$0.10030	$0.11813	$0.14008	$0.14492	$0.11073	$0.10091	$0.09557	$0.06824	$0.07112	$0.07033	$0.06952	$0.09824
(16)	Currently Effective Commercial Standard Offer Service Charge													$0.08190
(17)	Proposed Increase/(Decrease) to Commercial Standard Offer Service Charge													$0.01634

(1) Per Company revenue reports (Rates C-06, G-02 and SL) - June 2018
(2) Per Company revenue reports (Rates C-06, G-02 and SL) - June 2018
(3) Line (1) ÷ Line (2), rounded to four decimal places
(4) Per Company forecast for Commercial rates
(5) Line (3)
(6) Line (4) x Line (5)
(7) Line (6)
(8) per Page 1
(9) Line (7) x Line (8)
(10) Line (9) total ÷ Line (7) total, truncated after 5 decimal places
(11) Line (8) for monthly prices and Line (10) for weighted average price
(12) per Summary of Rates, Standard Offer Service, RIPUC No. 2096, issued 4/16/18)
(13) per Summary of Rates, Standard Offer Service, RIPUC No. 2096, issued 4/16/18)
(14) per Summary of Rates, Standard Offer Service, RIPUC No. 2096, issued 4/16/18)
(15) Sum of Lines (11) through (14)
(16) per Summary of Rates, Standard Offer Service, RIPUC No. 2096, issued 4/16/18)
(17) Line (15) total - Line (16)

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

	Present Rates				Illustrative SOS Rates Effective October 1, 2018				$ Increase (Decrease)				Increase (Decrease) % of Total Bill				Percentage
Monthly kWh	Delivery Services	Supply Services	GET	Total	Delivery Services	Supply Services	GET	Total	Delivery Services	Supply Services	GET	Total	Delivery Services	Supply Services	GET	Total	of Customers
(a)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
250	$32.95	$20.48	$2.23	$55.66	$32.95	$24.56	$2.40	$59.91	$0.00	$4.08	$0.17	$4.25	0.0%	7.3%	0.3%	7.6%	56.3%
500	$53.83	$40.95	$3.95	$98.73	$53.83	$49.12	$4.29	$107.24	$0.00	$8.17	$0.34	$8.51	0.0%	8.3%	0.3%	8.6%	16.9%
1,000	$95.58	$81.90	$7.40	$184.88	$95.58	$98.24	$8.08	$201.90	$0.00	$16.34	$0.68	$17.02	0.0%	8.8%	0.4%	9.2%	8.1%
1,500	$137.34	$122.85	$10.84	$271.03	$137.34	$147.36	$11.86	$296.56	$0.00	$24.51	$1.02	$25.53	0.0%	9.0%	0.4%	9.4%	5.0%
2,000	$179.09	$163.80	$14.29	$357.18	$179.09	$196.48	$15.65	$391.22	$0.00	$32.68	$1.36	$34.04	0.0%	9.1%	0.4%	9.5%	13.6%

		Present Rates	Illustrative SOS Rates Effective October 1, 2018	Line Item on Bill
		(o)	(p)	
(1)	Distribution Customer Charge	$10.00	$10.00	Customer Charge
(2)	LIHEAP Enhancement Charge	$0.81	$0.81	LIHEAP Enhancement Charge
(3)	Renewable Energy Growth Program Charge	$1.26	$1.26	RE Growth Program
(4)	Distribution Charge (per kWh)	$0.03253	$0.03253	Distribution Energy Charge
(5)	Operating & Maintenance Expense Charge	$0.00176	$0.00176	
(6)	Operating & Maintenance Expense Reconciliation Factor	($0.00001)	($0.00001)	
(7)	FY18 CapEx Factor Charge	$0.00322	$0.00322	
(8)	CapEx Reconciliation Factor	($0.00119)	($0.00119)	
(9)	Revenue Decoupling Adjustment Factor	$0.00184	$0.00184	
(10)	Pension Adjustment Factor	($0.00085)	($0.00085)	
(11)	Storm Fund Replenishment Factor	$0.00288	$0.00288	
(12)	Arrearage Management Adjustment Factor	$0.00002	$0.00002	
(13)	Long-term Contracting for Renewable Energy Charge	$0.00647	$0.00647	Renewable Energy Distribution Charge
(14)	Net Metering Charge	$0.00043	$0.00043	
(15)	Base Transmission Charge	$0.03167	$0.03167	Transmission Charge
(16)	Transmission Adjustment Factor	($0.00474)	($0.00474)	
(17)	Transmission Uncollectible Factor	$0.00033	$0.00033	
(18)	Base Transition Charge	($0.00083)	($0.00083)	Transition Charge
(19)	Transition Adjustment	($0.00004)	($0.00004)	
(20)	Energy Efficiency Program Charge	$0.01002	$0.01002	Energy Efficiency Programs
(21)	Standard Offer Service Base Charge	$0.08068	$0.09702	Supply Services Energy Charge
(22)	SOS Adjustment Factor	($0.00041)	($0.00041)	
(23)	SOS Adminstrative Cost Adjustment Factor	$0.00159	$0.00159	
(24)	Renewable Energy Standard Charge	$0.00004	$0.00004	
	Line Item on Bill			
(25)	Customer Charge	$10.00	$10.00	
(26)	LIHEAP Enhancement Charge	$0.81	$0.81	
(27)	RE Growth Program	$1.26	$1.26	
(28)	Transmission Charge	$0.02726	$0.02726	
(29)	Distribution Energy Charge	$0.04020	$0.04020	
(30)	Transition Charge	($0.00087)	($0.00087)	
(31)	Energy Efficiency Programs	$0.01002	$0.01002	
(32)	Renewable Energy Distribution Charge	$0.00690	$0.00690	
(33)	Supply Services Energy Charge	$0.08190	$0.09824	

Column (o): Lines (1) through (20) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018; Lines (21) through (24) per Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Column (p): Lines (1) through (20), (22) through (24) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Line (21): Illustrative 12-Month Commercial Standard Offer Service Base Rate per Page 2, Line (10), Column (m)

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

			Present Rates				Illustrative SOS Rates Effective October 1, 2018				$ Increase (Decrease)				Increase (Decrease) % of Total Bill			
kW	Monthly Hours Use (a)	kWh	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (f)	Supply Services (g)	GET (h)	Total (i)	Delivery Services (j)	Supply Services (k)	GET (l)	Total (m)
20	200	4,000	$432.32	$327.60	$31.66	$791.58	$432.32	$392.96	$34.39	$859.67	$0.00	$65.36	$2.73	$68.09	0.0%	8.3%	0.3%	8.6%
50	200	10,000	$944.06	$819.00	$73.46	$1,836.52	$944.06	$982.40	$80.27	$2,006.73	$0.00	$163.40	$6.81	$170.21	0.0%	8.9%	0.4%	9.3%
100	200	20,000	$1,796.96	$1,638.00	$143.12	$3,578.08	$1,796.96	$1,964.80	$156.74	$3,918.50	$0.00	$326.80	$13.62	$340.42	0.0%	9.1%	0.4%	9.5%
150	200	30,000	$2,649.86	$2,457.00	$212.79	$5,319.65	$2,649.86	$2,947.20	$233.21	$5,830.27	$0.00	$490.20	$20.42	$510.62	0.0%	9.2%	0.4%	9.6%
20	300	6,000	$502.70	$491.40	$41.42	$1,035.52	$502.70	$589.44	$45.51	$1,137.65	$0.00	$98.04	$4.09	$102.13	0.0%	9.5%	0.4%	9.9%
50	300	15,000	$1,120.01	$1,228.50	$97.85	$2,446.36	$1,120.01	$1,473.60	$108.07	$2,701.68	$0.00	$245.10	$10.22	$255.32	0.0%	10.0%	0.4%	10.4%
100	300	30,000	$2,148.86	$2,457.00	$191.91	$4,797.77	$2,148.86	$2,947.20	$212.34	$5,308.40	$0.00	$490.20	$20.43	$510.63	0.0%	10.2%	0.4%	10.6%
150	300	45,000	$3,177.71	$3,685.50	$285.97	$7,149.18	$3,177.71	$4,420.80	$316.60	$7,915.11	$0.00	$735.30	$30.63	$765.93	0.0%	10.3%	0.4%	10.7%
20	400	8,000	$573.08	$655.20	$51.18	$1,279.46	$573.08	$785.92	$56.63	$1,415.63	$0.00	$130.72	$5.45	$136.17	0.0%	10.2%	0.4%	10.6%
50	400	20,000	$1,295.96	$1,638.00	$122.25	$3,056.21	$1,295.96	$1,964.80	$135.87	$3,396.63	$0.00	$326.80	$13.62	$340.42	0.0%	10.7%	0.4%	11.1%
100	400	40,000	$2,500.76	$3,276.00	$240.70	$6,017.46	$2,500.76	$3,929.60	$267.93	$6,698.29	$0.00	$653.60	$27.23	$680.83	0.0%	10.9%	0.5%	11.3%
150	400	60,000	$3,705.56	$4,914.00	$359.15	$8,978.71	$3,705.56	$5,894.40	$400.00	$9,999.96	$0.00	$980.40	$40.85	$1,021.25	0.0%	10.9%	0.5%	11.4%
20	500	10,000	$643.46	$819.00	$60.94	$1,523.40	$643.46	$982.40	$67.74	$1,693.60	$0.00	$163.40	$6.80	$170.20	0.0%	10.7%	0.4%	11.2%
50	500	25,000	$1,471.91	$2,047.50	$146.64	$3,666.05	$1,471.91	$2,456.00	$163.66	$4,091.57	$0.00	$408.50	$17.02	$425.52	0.0%	11.1%	0.5%	11.6%
100	500	50,000	$2,852.66	$4,095.00	$289.49	$7,237.15	$2,852.66	$4,912.00	$323.53	$8,088.19	$0.00	$817.00	$34.04	$851.04	0.0%	11.3%	0.5%	11.8%
150	500	75,000	$4,233.41	$6,142.50	$432.33	$10,808.24	$4,233.41	$7,368.00	$483.39	$12,084.80	$0.00	$1,225.50	$51.06	$1,276.56	0.0%	11.3%	0.5%	11.8%
20	600	12,000	$713.84	$982.80	$70.69	$1,767.33	$713.84	$1,178.88	$78.86	$1,971.58	$0.00	$196.08	$8.17	$204.25	0.0%	11.1%	0.5%	11.6%
50	600	30,000	$1,647.86	$2,457.00	$171.04	$4,275.90	$1,647.86	$2,947.20	$191.46	$4,786.52	$0.00	$490.20	$20.42	$510.62	0.0%	11.5%	0.5%	11.9%
100	600	60,000	$3,204.56	$4,914.00	$338.27	$8,456.83	$3,204.56	$5,894.40	$379.12	$9,478.08	$0.00	$980.40	$40.85	$1,021.25	0.0%	11.6%	0.5%	12.1%
150	600	90,000	$4,761.26	$7,371.00	$505.51	$12,637.77	$4,761.26	$8,841.60	$566.79	$14,169.65	$0.00	$1,470.60	$61.28	$1,531.88	0.0%	11.6%	0.5%	12.1%

		Current delivery rates as of July 1, 2018, and proposed SOS Rates for Oct. 2018 - Mar. 2019 (o)	Illustrative SOS Rates Effective April 1, 2019 (p)	Line Item on Bill
(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 Program 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	Distribution Energy Charge
(6)	Operating & Maintenance Expense Charge	$0.00128	$0.00128	
(7)	Operating & Maintenance Expense Reconciliation Factor	($0.00001)	($0.00001)	
(8)	FY18 CapEx Factor Demand Charge (per kW > 10kW)	$0.80	$0.80	
(9)	CapEx Reconciliation Factor	($0.00098)	($0.00098)	
(10)	Revenue Decoupling Adjustment Factor	$0.00184	$0.00184	
(11)	Pension Adjustment Factor	($0.00085)	($0.00085)	
(12)	Storm Fund Replenishment Factor	$0.00288	$0.00288	
(13)	Arrearage Management Adjustment Factor	$0.00002	$0.00002	
(14)	Long-term Contracting for Renewable Energy Charge	$0.00647	$0.00647	Renewable Energy Distribution Charge
(15)	Net Metering Charge	$0.00043	$0.00043	
(16)	Transmission Demand Charge	$4.37	$4.37	Transmission Demand Charge
(17)	Base Transmission Charge	$0.01231	$0.01231	Transmission Adjustment
(18)	Transmission Adjustment Factor	($0.00236)	($0.00236)	
(19)	Transmission Uncollectible Factor	$0.00033	$0.00033	
(20)	Base Transition Charge	($0.00083)	($0.00083)	Transition Charge
(21)	Transition Adjustment	($0.00004)	($0.00004)	
(22)	Energy Efficiency Program Charge	$0.01002	$0.01002	Energy Efficiency Programs
(23)	Standard Offer Service Base Charge	$0.08068	$0.09702	Supply Services Energy Charge
(24)	SOS Adjustment Factor	($0.00041)	($0.00041)	
(25)	SOS Adminstrative Cost Adjustment Factor	$0.00159	$0.00159	
(26)	Renewable Energy Standard Charge	$0.00004	$0.00004	
	Line Item on Bill			
(27)	Customer Charge	$135.00	$135.00	
(29)	LIHEAP Enhancement Charge	$0.81	$0.81	
(28)	RE Growth Program	$11.85	$11.85	
(30)	Transmission Adjustment	$0.01028	$0.01028	
(31)	Distribution Energy Charge	$0.00886	$0.00886	
(32)	Distribution Demand Charge	$5.65	$5.65	
(33)	Transmission Demand Charge	$4.37	$4.37	
(32)	Transition Charge	($0.00087)	($0.00087)	
(33)	Energy Efficiency Programs	$0.01002	$0.01002	
(34)	Renewable Energy Distribution Charge	$0.00690	$0.00690	
(35)	Supply Services Energy Charge	$0.08190	$0.09824	

Column (o): Lines (1) through (20) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018; Lines (21) through (24) per Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Column (p): Lines (1) through (22), (24) through (26) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Line (21): Illustrative 12-Month Commercial Standard Offer Service Base Rate per Page 2, Line (10), Column (m)

Lt. Governor McKee 1-2

Request:

Assuming the proposed 6-month commercial standard offer rate is approved and also assuming rates are adjusted again for the 6-month period April 2019 to September 2019, what is the total expected commercial standard offer service cost for all kWh deliveries for the 12-month period October 2018 through September 2019? Please be sure to include the impact of interest on any under or over recovery during the period.

Response:

Please see Attachment McKee 1-2 for an illustrative reconciliation of estimated Commercial Standard Offer Service (SOS) cost and revenue for the period of October 2018 through September 2019, assuming the proposed Commercial SOS rate effective October 1, 2018 through March 31, 2019 is approved, and assuming that the illustrative Commercial SOS rate shown in Attachment McKee 1-1(b) is effective April 1, 2019 through September 30, 2019. The total illustrative Commercial SOS estimated cost, as shown on Line (25), Column (k), is $98,657,517. To simplify the analysis presented in Attachment McKee 1-2, the Company reflected all Commercial SOS customers on the Fixed SOS rate; however, the majority of Rate G-02 and street lighting SOS customers are on the Variable SOS rate.

The illustrative reconciliation presents a small deferral balance plus nominal interest, which is caused by the fact that when calculating the SOS rate, the Company truncates to five decimal places. The Company designs Commercial SOS rates to recover the estimated SOS costs during each 6-month period. If the assumptions used to develop the rates actually occurred, including the kWh forecast, the estimated line losses, and the estimated spot market costs, theoretically there would be no interest that would accrue over the pricing period.

Illustrative Commercial Group Standard Offer Service Reconciliation
for the period October 2018 through September 2019
Using Proposed October 2018 - March 2019 Rates
and Illustrative April 2019 - September 2019 Rates

		Forecasted Commercial kWh Deliveries (a)	Percent of kWh Deliveries on SOS (b)	Estimated Forecasted SOS kWh (c)	Actual/ Estimated Commercial Cost per kWh (d)	Illustrative Estimated Commercial Cost (e)	Estimated Forecasted SOS kWh (f)	Proposed Oct.- Mar. and Illustrative April- Sept. Rate (g)	Illustrative Estimated Commercial Revenue (h)
(1)	Oct-18	160,663,023	52.56%	84,444,485	$0.09506	$8,027,293	84,444,485	$0.11754	$9,925,605
(2)	Nov-18	149,846,373	52.56%	78,759,253	$0.09908	$7,803,467	78,759,253	$0.11754	$9,257,363
(3)	Dec-18	160,804,532	52.56%	84,518,862	$0.11691	$9,881,100	84,518,862	$0.11754	$9,934,347
(4)	Jan-19	167,755,511	52.56%	88,172,296	$0.13886	$12,243,605	88,172,296	$0.11754	$10,363,772
(5)	Feb-19	157,879,217	52.56%	82,981,317	$0.14370	$11,924,415	82,981,317	$0.11754	$9,753,624
(6)	Mar-19	152,643,340	52.56%	80,229,339	$0.10951	$8,785,915	80,229,339	$0.11754	$9,430,157
(7)	Apr-19	149,259,642	52.56%	78,450,868	$0.09969	$7,820,767	78,450,868	$0.07724	$6,059,545
(8)	May-19	149,290,499	52.56%	78,467,087	$0.09435	$7,403,370	78,467,087	$0.07724	$6,060,798
(9)	Jun-19	153,630,931	52.56%	80,748,417	$0.06702	$5,411,759	80,748,417	$0.07724	$6,237,008
(10)	Jul-19	175,064,178	52.56%	92,013,732	$0.06990	$6,431,760	92,013,732	$0.07724	$7,107,141
(11)	Aug-19	185,772,014	52.56%	97,641,771	$0.06911	$6,748,023	97,641,771	$0.07724	$7,541,850
(12)	Sep-19	172,041,904	52.56%	90,425,225	$0.06830	$6,176,043	90,425,225	$0.07724	$6,984,444

		Beginning Balance (i)	Illustrative Estimated Revenue (j)	Illustrative Estimated Cost (k)	Illustrative Monthly Over/(Under) Recovery (l)	Ending Balance (m)
(13)	Oct-18	$0	$9,925,605	$8,027,293	$1,898,312	$1,898,312
(14)	Nov-18	$1,898,312	$9,257,363	$7,803,467	$1,453,896	$3,352,208
(15)	Dec-18	$3,352,208	$9,934,347	$9,881,100	$53,247	$3,405,455
(16)	Jan-19	$3,405,455	$10,363,772	$12,243,605	($1,879,833)	$1,525,622
(17)	Feb-19	$1,525,622	$9,753,624	$11,924,415	($2,170,791)	($645,169)
(18)	Mar-19	($645,169)	$9,430,157	$8,785,915	$644,242	($927)
(19)	Apr-19	($927)	$6,059,545	$7,820,767	($1,761,222)	($1,762,149)
(20)	May-19	($1,762,149)	$6,060,798	$7,403,370	($1,342,572)	($3,104,721)
(21)	Jun-19	($3,104,721)	$6,237,008	$5,411,759	$825,249	($2,279,472)
(22)	Jul-19	($2,279,472)	$7,107,141	$6,431,760	$675,381	($1,604,091)
(23)	Aug-19	($1,604,091)	$7,541,850	$6,748,023	$793,827	($810,264)
(24)	Sep-19	($810,264)	$6,984,444	$6,176,043	$808,401	($1,863)
(25)	Totals		$98,655,654	$98,657,517	($1,863)	

(26)	Estimated Interest during Reconciliation Period	($22)
(27)	Estimated Ending Balance incl. Estimated Interest During Reconciliation Period	($1,885)

Line (26): (Line (13) Column (i) + Line (24) Column (m)) ÷ 2) x 2.33%
Line (27): Line (24), Column (m) + Line (26)

Column (a): per Company Forecast
Column (b): Percentage of Commercial Standard Offer Service kWhs to Total Commercial kWhs, per Attachment McKee 1-1(a), Page 2, Line (3)
Column (c): Column (a) x Column (b)
Column (d): Line (1) through (6); Residential SOS rates per Attachment McKee 1-1(a), Page 1, Commercial Group, Truncated to 5 decimal places
Line (7) through (12); Illustrative Commercial SOS rates per Attachment McKee 1-1(b), Page 1, Commercial Group, Truncated to 5 decimal places
Column (e): Column (c) x Column (d)
Column (f): Column (c)
Column (g): Line (1) through (6); Proposed Commercial SOS rate per Attachment McKee 1-1(a), Page 2, Line (10)
Line (7) through (12); Illustrative Commercial SOS rate per Attachment McKee 1-1(b), Page 2, Line (10)
Column (h): Column (f) x Column (g)
Column (i): Line (14) Beginning balance of $0; Column (m), previous line
Column (j): Column (h)
Column (k): Column (e)
Column (l): Column (j) - Column (k)
Column (m): Column (i) + Column (l)

Lt. Governor McKee 1-3

Request:

Assuming a 12-month commercial standard offer rate is approved for the period October 2018 through September 2019, what is the total expected commercial standard offer service cost for all kWh deliveries for the 12-month period October 2018 through September 2019? Please be sure to include the impact of interest on any under or over recovery during the period.

Response:

Please see Attachment McKee 1-3 for an illustrative reconciliation of estimated Commercial Standard Offer Service (SOS) cost and revenue for the period of October 2018 through September 2019, assuming that the illustrative Commercial fixed SOS rate shown in Attachment McKee 1-1(c) is implemented. The total illustrative Commercial estimated cost, as shown on Line (25), Column (k), is $98,657,517. The illustrative reconciliation presents a small deferral balance plus nominal interest, which is caused by the fact that when calculating the SOS rate, the Company truncates to five decimal places.

The Company designs Commercial SOS rates to recover the estimated SOS costs during each 6-month period and, in this case, during the 12-month period. If the assumptions used to develop the rates actually occurred, including the kWh forecast, the estimated line losses, and the estimated spot market costs, theoretically there would be no interest that would accrue over the pricing period.

As stated in the response to McKee 1-1(c), the currently effective Tariff for Standard Offer Service, R.I.P.U.C. No. 2155, defines the Commercial SOS Fixed rate as a 6-month rate.

Illustrative Commercial Group Standard Offer Service Reconciliation
for the period October 2018 through September 2019
Using Illustrative October 2018 - September 2019 Rate

		Forecasted Commercial kWh Deliveries (a)	Percent of kWh Deliveries on SOS (b)	Estimated Forecasted SOS kWh (c)	Actual/ Estimated Commercial Cost per kWh (d)	Illustrative Estimated Commercial Cost (e)	Estimated Forecasted SOS kWh (f)	Illustrative 12 month Rate (g)	Illustrative Estimated Commercial Revenue (h)
(1)	Oct-18	160,663,023	52.56%	84,444,485	$0.09506	$8,027,293	84,444,485	$0.09702	$8,192,804
(2)	Nov-18	149,846,373	52.56%	78,759,253	$0.09908	$7,803,467	78,759,253	$0.09702	$7,641,223
(3)	Dec-18	160,804,532	52.56%	84,518,862	$0.11691	$9,881,100	84,518,862	$0.09702	$8,200,020
(4)	Jan-19	167,755,511	52.56%	88,172,296	$0.13886	$12,243,605	88,172,296	$0.09702	$8,554,476
(5)	Feb-19	157,879,217	52.56%	82,981,317	$0.14370	$11,924,415	82,981,317	$0.09702	$8,050,847
(6)	Mar-19	152,643,340	52.56%	80,229,339	$0.10951	$8,785,915	80,229,339	$0.09702	$7,783,850
(7)	Apr-19	149,259,642	52.56%	78,450,868	$0.09969	$7,820,767	78,450,868	$0.09702	$7,611,303
(8)	May-19	149,290,499	52.56%	78,467,087	$0.09435	$7,403,370	78,467,087	$0.09702	$7,612,877
(9)	Jun-19	153,630,931	52.56%	80,748,417	$0.06702	$5,411,759	80,748,417	$0.09702	$7,834,211
(10)	Jul-19	175,064,178	52.56%	92,013,732	$0.06990	$6,431,760	92,013,732	$0.09702	$8,927,172
(11)	Aug-19	185,772,014	52.56%	97,641,771	$0.06911	$6,748,023	97,641,771	$0.09702	$9,473,205
(12)	Sep-19	172,041,904	52.56%	90,425,225	$0.06830	$6,176,043	90,425,225	$0.09702	$8,773,055

		Beginning Balance (i)	Illustrative Estimated Revenue (j)	Illustrative Estimated Cost (k)	Illustrative Monthly Over/(Under) Recovery (l)	Ending Balance (m)
(13)	Oct-18	$0	$8,192,804	$8,027,293	$165,511	$165,511
(14)	Nov-18	$165,511	$7,641,223	$7,803,467	($162,244)	$3,267
(15)	Dec-18	$3,267	$8,200,020	$9,881,100	($1,681,080)	($1,677,813)
(16)	Jan-19	($1,677,813)	$8,554,476	$12,243,605	($3,689,129)	($5,366,942)
(17)	Feb-19	($5,366,942)	$8,050,847	$11,924,415	($3,873,568)	($9,240,510)
(18)	Mar-19	($9,240,510)	$7,783,850	$8,785,915	($1,002,065)	($10,242,575)
(19)	Apr-19	($10,242,575)	$7,611,303	$7,820,767	($209,464)	($10,452,039)
(20)	May-19	($10,452,039)	$7,612,877	$7,403,370	$209,507	($10,242,532)
(21)	Jun-19	($10,242,532)	$7,834,211	$5,411,759	$2,422,452	($7,820,080)
(22)	Jul-19	($7,820,080)	$8,927,172	$6,431,760	$2,495,412	($5,324,668)
(23)	Aug-19	($5,324,668)	$9,473,205	$6,748,023	$2,725,182	($2,599,486)
(24)	Sep-19	($2,599,486)	$8,773,055	$6,176,043	$2,597,012	($2,474)
(25)	Totals		$98,655,043	$98,657,517	($2,474)	

(26)	Estimated Interest during Reconciliation Period	($29)
(27)	Estimated Ending Balance incl. Estimated Interest During Reconciliation Period	($2,503)

Line (26): (Line (13) Column (i) + Line (24) Column (m)) ÷ 2) x 2.33%
Line (27): Line (24), Column (m) + Line (26)

Column (a): per Company Forecast
Column (b): Percentage of Commercial Standard Offer Service kWhs to Total Commercial kWhs, per Attachment McKee 1-1(a), Page 2, Line (3)
Column (c): Column (a) x Column (b)
Column (d): Line (1) through (6); Commercial SOS rates per Attachment McKee 1-1(a), Page 1, Commercial Group, Truncated to 5 decimal places
Line (7) through (12); Illustrative Commercial SOS rates per Attachment McKee 1-1(b), Page 1, Commercial Group, Truncated to 5 decimal places
Column (e): Column (c) x Column (d)
Column (f): Column (c)
Column (g): Illustrative 12-Month Commercial SOS rate per Attachment McKee 1-1(c), Page 2, Line (10)
Column (h): Column (f) x Column (g)
Column (i): Line (14) Beginning balance of $0; Column (m), previous line
Column (j): Column (h)
Column (k): Column (e)
Column (l): Column (j) - Column (k)
Column (m): Column (i) + Column (l)

Lt. Governor McKee 1-4

Request:

If a 12-month commercial rate is ordered, how much of the Company's costs will be deferred into the recovery period April 2019 through September 2019? Also, please show the bill impacts for the commercial rate classes, assuming a 12-month rate.

Response:

Please see Attachment McKee 1-4 for an illustrative reconciliation of estimated Standard Offer Service (SOS) cost and revenue for the period October 2018 through September 2019, assuming that the illustrative 12-month Commercial SOS Fixed rate calculated in Attachment McKee 1-1(c) is implemented. For the purposes of simplifying the calculation of an estimated deferral of costs into the recovery period April 2019 through September 2019, this illustrative reconciliation limits the kilowatt-hours and percent of kilowatt-hours on SOS to those of Rate C-06, as the Fixed rate is the customary option for SOS customers in this rate class and almost all Rate C-06 customers are on the Fixed rate, and the majority of Rate G-02 and street lighting SOS customers are on the Variable rate and would not contribute significantly to a deferral. The illustrative 12-month rate would result in a deferral of SOS costs associated with the operation of the Fixed rate.

As presented on line (19), column (i), of Attachment McKee 1-4, approximately $4.5 million would be deferred at March 31, 2019 and carried forward into the recovery period April 2019 through September 2019 under this scenario.

Please see pages 3 and 4 of Attachment McKee 1-1(c) for the bill impacts for Rates C-06 and G-02 from the illustrative 12-month fixed rate, respectively.

Prepared by or under the supervision of: Scott McCabe

Illustrative C-06 Standard Offer Service Reconciliation
for the period October 2018 through September 2019
Using Illustrative October 2018 - September 2019 Rate

		Forecasted C-06 kWh Deliveries (a)	Percent of C-06 kWh Deliveries on SOS (b)	Estimated Forecasted C-06 SOS kWh (c)	Actual/ Estimated Commercial Cost per kWh (d)	Illustrative Estimated C-06 SOS Cost (e)	Estimated Forecasted C-06 SOS kWh (f)	Illustrative 12 month Rate (g)	Illustrative Estimated C-06 SOS Revenue (h)
(1)	Oct-18	49,586,679	75.09%	37,235,130	$0.09506	$3,539,571	37,235,130	$0.09702	$3,612,552
(2)	Nov-18	45,906,218	75.09%	34,471,434	$0.09908	$3,415,430	34,471,434	$0.09702	$3,344,419
(3)	Dec-18	49,407,498	75.09%	37,100,580	$0.11691	$4,337,429	37,100,580	$0.09702	$3,599,498
(4)	Jan-19	51,708,535	75.09%	38,828,452	$0.13886	$5,391,719	38,828,452	$0.09702	$3,767,136
(5)	Feb-19	48,510,170	75.09%	36,426,768	$0.14370	$5,234,527	36,426,768	$0.09702	$3,534,125
(6)	Mar-19	47,127,811	75.09%	35,388,741	$0.10951	$3,875,421	35,388,741	$0.09702	$3,433,416
(7)	Apr-19	46,177,930	75.09%	34,675,466	$0.09969	$3,456,797	34,675,466	$0.09702	$3,364,214
(8)	May-19	46,405,711	75.09%	34,846,509	$0.09435	$3,287,768	34,846,509	$0.09702	$3,380,808
(9)	Jun-19	47,802,275	75.09%	35,895,203	$0.06702	$2,405,697	35,895,203	$0.09702	$3,482,553
(10)	Jul-19	54,634,571	75.09%	41,025,641	$0.06990	$2,867,692	41,025,641	$0.09702	$3,980,308
(11)	Aug-19	57,940,278	75.09%	43,507,930	$0.06911	$3,006,833	43,507,930	$0.09702	$4,221,139
(12)	Sep-19	53,331,330	75.09%	40,047,025	$0.06830	$2,735,212	40,047,025	$0.09702	$3,885,362

		Beginning Balance (i)	Illustrative Estimated Revenue (j)	Illustrative Estimated Cost (k)	Illustrative Monthly Over/(Under) Recovery (l)	Ending Balance (m)
(13)	Oct-18	$0	$3,612,552	$3,539,571	$72,981	$72,981
(14)	Nov-18	$72,981	$3,344,419	$3,415,430	($71,011)	$1,970
(15)	Dec-18	$1,970	$3,599,498	$4,337,429	($737,931)	($735,961)
(16)	Jan-19	($735,961)	$3,767,136	$5,391,719	($1,624,583)	($2,360,544)
(17)	Feb-19	($2,360,544)	$3,534,125	$5,234,527	($1,700,402)	($4,060,946)
(18)	Mar-19	($4,060,946)	$3,433,416	$3,875,421	($442,005)	($4,502,951)
(19)	Apr-19	($4,502,951)	$3,364,214	$3,456,797	($92,583)	($4,595,534)
(20)	May-19	($4,595,534)	$3,380,808	$3,287,768	$93,040	($4,502,494)
(21)	Jun-19	($4,502,494)	$3,482,553	$2,405,697	$1,076,856	($3,425,638)
(22)	Jul-19	($3,425,638)	$3,980,308	$2,867,692	$1,112,616	($2,313,022)
(23)	Aug-19	($2,313,022)	$4,221,139	$3,006,833	$1,214,306	($1,098,716)
(24)	Sep-19	($1,098,716)	$3,885,362	$2,735,212	$1,150,150	$51,434
(25)	Totals		$43,605,530	$43,554,096	$51,434	

(26)	Estimated Interest during Reconciliation Period	$599
(27)	Estimated Ending Balance incl. Estimated Interest During Reconciliation Period	$52,033

Line (26): (Line (13) Column (i) + Line (24) Column (m)) ÷ 2) x 2.33%
Line (27): Line (24), Column (m) + Line (26)

Column (a): per Company Forecast
Column (b): Percentage of C-06 Standard Offer Service kWhs to Total C-06 kWhs for the month June 2018
Column (c): Column (a) x Column (b)
Column (d): Line (1) through (6); Commercial SOS rates per Attachment McKee 1-1(a), Page 1, Commercial Group, Truncated to 5 decimal places
Line (7) through (12); Illustrative Commercial SOS rates per Attachment McKee 1-1(b), Page 1, Commercial Group, Truncated to 5 decimal places
Column (e): Column (c) x Column (d)
Column (f): Column (c)
Column (g): Illustrative 12-Month Commercial SOS rate per Attachment McKee 1-1(c), Page 2, Line (10)
Column (h): Column (f) x Column (g)
Column (i): Line (14) Beginning balance of $0; Column (m), previous line
Column (j): Column (h)
Column (k): Column (e)
Column (l): Column (j) - Column (k)
Column (m): Column (i) + Column (l)

Lt. Governor McKee 1-5

Request:

If the October 2018 - March 2019 commercial standard offer service rate were set at 10.77¢, please provide the following:

a. Deferred SOS costs from the October 2018 - March 2019 period to the April - September 2019 period.

b. The estimated commercial SOS rate for April 2019 - September 2019.

c. Associated bill impacts of the 10.77¢ rate in October 2018 and the estimated commercial SOS rate for April 2019.

Response:

a. For the purpose of simplifying the calculation of an estimated deferral of costs into the recovery period April 2019 through September 2019, the estimate limits the kilowatt-hours and percent of kilowatt-hours on SOS to those of Rate C-06, as the Fixed rate is the customary option for SOS customers in this rate class and almost all Rate C-06 customers are on the Fixed rate, and the majority of Rate G-02 and street lighting SOS customers are on the Variable rate and would not contribute significantly to a deferral. This response assumes that the Variable rates are not changed from those proposed by the Company. As presented on Page 1, Line (16) of Attachment McKee 1-5(a), the Company estimates deferred SOS costs of $2.4 million from the October 2018 through March 2019 period that would be carried into the April through September 2019 period.

b. As presented on Page 2, Line (15) of Attachment McKee 1-5(a), the estimated Commercial SOS Rate for April through September 2018 would be 8.901 cents.

c. Please see pages 1 and 2 of Attachment McKee 1-5(b) for the bill impacts for Rates C-06 and G-02, respectively, based on a fixed Commercial SOS rate of 10.77 cents beginning in October 2018. See pages 3 and 4 for the bill impacts for Rates C-06 and G-02, respectively, based on an April 2018 fixed Commercial SOS rate of 8.901 cents.

Lt. Governor McKee 1-5, page 2

The table below summarizes the illustrative Commercial SOS rates and their associated bill impacts for a C-06 SOS customer using 1000 kWh per month presented in Attachment McKee 1-5(b):

	Illustrative Oct. 2018 – Mar. 2019	Illustrative Apr. 2019 – Sep. 2019
Commercial SOS rate	10.770¢/kWh	8.901/kWh
Monthly bill increase/(decrease)	$26.87/14.5%	($19.47)/(9.2%)

Prepared by or under the supervision of: Scott McCabe

Calculation of October 2018 - March 2019 Commercial Standard Offer Service Deferral at Illustrative SOS Rate of 10.770¢/kWh

		Total Forecasted Commercial kWh	Commercial Load on SOS in June 2018	Forecasted Commercial SOS kWh	Cost in ¢ per kWh	Estimated Commercial SOS Cost	Commercial Base SOS Rate
		(a)	(b)	(c)	(d)	(e)	(f)
(1)	Oct-18	160,663,023	52.56%	84,444,485	9.506	$8,027,293	
(2)	Nov-18	149,846,373	52.56%	78,759,253	9.908	$7,803,467	
(3)	Dec-18	160,804,532	52.56%	84,518,862	11.691	$9,881,100	
(4)	Jan-19	167,755,511	52.56%	88,172,296	13.886	$12,243,605	
(5)	Feb-19	157,879,217	52.56%	82,981,317	14.370	$11,924,415	
(6)	Mar-19	152,643,340	52.56%	80,229,339	10.951	$8,785,915	
(7)				499,105,552		$58,665,795	$0.11754

(8)	Proposed Oct 18 - Mar 19 Base SOS Rate	$0.11754
(9)	SOS Admin Cost Factor	($0.00041)
(10)	SOS Adjmt Factor	$0.00159
(11)	RES Charge	$0.00004
(12)	Total Proposed Commercial SOS Rate	$0.11876
(13)	Target Commericial SOS Rate	$0.10770
(14)	Deferred SOS Cost per kWh	$0.01106
(15)	Forecasted C-06 SOS kWh	219,451,105
(16)	Deferred Commercial SOS Cost	$2,427,129
(17)	Illustrative Oct 18 - Mar 19 Base SOS Rate including deferral	$0.10648

Column (a) per Company Forecast
Column (b): Percentage of Commercial Standard Offer Service kWhs to Total Commercial kWhs, per Attachment McKee 1-1(a), Page 2, Line (3)
Column (c): Column (a) x Column (b)
Column (d): Commercial SOS rates per Attachment McKee 1-1(a), Page 1, Commercial Group
Column (e): Column (c) x Column (d)
Column (f): Line (7), Column (e) ÷ Column (c), truncated to 5 decimal places

Line (7): Columns (c) and (e), Sum of Lines (1) through (6); Column (f), Column (e) ÷ Column (c), truncated to 5 decimal places
Line (8); Line (7), Column (f)
Lines (9) through (11): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2096 effective 7/1/2018
Line (12): Sum of Lines (8) through (11)
Line (13): Illustrative rate as per request in McKee 1-5
Line (14): Line (12) - Line (13)
Line (15): per Company forecast for rate C-06 x percentage of C-06 Standard Offer Service kWhs to Total C-06 kWhs for June 2018
Line (16): Line (14) x Line (15)
Line (17): Line (8) - Line (14)

Calculation of Illustrative April 2019 - September 2019 Commercial Standard Offer Service Rate Including Deferral

		Total Forecasted Commercial kWh	Commercial Load on SOS in June 2018	Forecasted Commercial SOS kWh	Cost in ¢ per kWh	Estimated Commercial SOS Cost	Commercial Base SOS Rate
		(a)	(b)	(c)	(d)	(e)	(f)
(1)	Apr-19	149,259,642	52.56%	78,450,868	9.969	$7,820,767	
(2)	May-19	149,290,499	52.56%	78,467,087	9.435	$7,403,370	
(3)	Jun-19	153,630,931	52.56%	80,748,417	6.702	$5,411,759	
(4)	Jul-19	175,064,178	52.56%	92,013,732	6.990	$6,431,760	
(5)	Aug-19	185,772,014	52.56%	97,641,771	6.911	$6,748,023	
(6)	Sep-19	172,041,904	52.56%	90,425,225	6.830	$6,176,043	
(7)				517,747,100		$39,991,722	$0.07724

(8)	Deferred Commercial SOS Cost	$2,427,129
(9)	Forecasted C-06 SOS kWh	229,997,773
(10)	Deferred SOS Cost per kWh	$0.01055
(11)	Illustrative Apr. 19 - Sept. 19 Base SOS Rate including deferral recovery	$0.08779
(12)	SOS Admin Cost Factor	($0.00041)
(13)	SOS Adjmt Factor	$0.00159
(14)	RES Charge	$0.00004
(15)	Total Illustrative April 2019 - September 2019 Commercial SOS Rate	$0.08901

Column (a) per Company Forecast
Column (b): Percentage of Commercial Standard Offer Service kWhs to Total Commercial kWhs, per Attachment McKee 1-1(a), Page 2, Line (3)
Column (c): Column (a) x Column (b)
Column (d): Illustrative Commercial SOS rates per Attachment McKee 1-1(b), Page 1, Commercial Group, Truncated to 5 decimal places
Column (e): Column (c) x Column (d)
Column (f): Line (7), Column (e) ÷ Column (c), truncated to 5 decimal places

Line (7): Columns (c) and (e), Sum of Lines (1) through (6); Column (f), Column (e) ÷ Column (c), truncated to 5 decimal places
Line (8); Page 1, Line (16), Column (f)
Line (9): per Company forecast for rate C-06 x percentage of C-06 Standard Offer Service kWhs to Total C-06 kWhs for June 2018
Line (10): Line (8) ÷ Line (9), truncated to 5 decimal places
Line (11): Line (7), Column (f) + Line (10), Column (f)
Lines (12) through (14): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2096 effective 7/1/2018
Line (15): Sum of Lines (11) through (14)

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

Monthly kWh	Present Rates				Illustrative Rates Effective October 1, 2018				$ Increase (Decrease)				Increase (Decrease) % of Total Bill				Percentage of Customers
	Delivery Services	Supply Services	GET	Total	Delivery Services	Supply Services	GET	Total	Delivery Services	Supply Services	GET	Total	Delivery Services	Supply Services	GET	Total	
(a)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
250	$32.95	$20.48	$2.23	$55.66	$32.95	$26.93	$2.50	$62.38	$0.00	$6.45	$0.27	$6.72	0.0%	11.6%	0.5%	12.1%	56.3%
500	$53.83	$40.95	$3.95	$98.73	$53.83	$53.85	$4.49	$112.17	$0.00	$12.90	$0.54	$13.44	0.0%	13.1%	0.5%	13.6%	16.9%
1,000	$95.58	$81.90	$7.40	$184.88	$95.58	$107.70	$8.47	$211.75	$0.00	$25.80	$1.07	$26.87	0.0%	14.0%	0.6%	14.5%	8.1%
1,500	$137.34	$122.85	$10.84	$271.03	$137.34	$161.55	$12.45	$311.34	$0.00	$38.70	$1.61	$40.31	0.0%	14.3%	0.6%	14.9%	5.0%
2,000	$179.09	$163.80	$14.29	$357.18	$179.09	$215.40	$16.44	$410.93	$0.00	$51.60	$2.15	$53.75	0.0%	14.4%	0.6%	15.0%	13.6%

		Present Rates	Illustrative Rates Effective October 1, 2018	Line Item on Bill
		(o)	(p)	
(1)	Distribution Customer Charge	$10.00	$10.00	Customer Charge
(2)	LIHEAP Enhancement Charge	$0.81	$0.81	LIHEAP Enhancement Charge
(3)	Renewable Energy Growth Program Charge	$1.26	$1.26	RE Growth Program
(4)	Distribution Charge (per kWh)	$0.03253	$0.03253	Distribution Energy Charge
(5)	Operating & Maintenance Expense Charge	$0.00176	$0.00176	
(6)	Operating & Maintenance Expense Reconciliation Factor	($0.00001)	($0.00001)	
(7)	FY18 CapEx Factor Charge	$0.00322	$0.00322	
(8)	CapEx Reconciliation Factor	($0.00119)	($0.00119)	
(9)	Revenue Decoupling Adjustment Factor	$0.00184	$0.00184	
(10)	Pension Adjustment Factor	($0.00085)	($0.00085)	
(11)	Storm Fund Replenishment Factor	$0.00288	$0.00288	
(12)	Arrearage Management Adjustment Factor	$0.00002	$0.00002	
(13)	Long-term Contracting for Renewable Energy Charge	$0.00647	$0.00647	Renewable Energy Distribution Charge
(14)	Net Metering Charge	$0.00043	$0.00043	
(15)	Base Transmission Charge	$0.03167	$0.03167	Transmission Charge
(16)	Transmission Adjustment Factor	($0.00474)	($0.00474)	
(17)	Transmission Uncollectible Factor	$0.00033	$0.00033	
(18)	Base Transition Charge	($0.00083)	($0.00083)	Transition Charge
(19)	Transition Adjustment	($0.00004)	($0.00004)	
(20)	Energy Efficiency Program Charge	$0.01002	$0.01002	Energy Efficiency Programs
(21)	Standard Offer Service Base Charge	$0.08068	$0.10648	Supply Services Energy Charge
(22)	SOS Adjustment Factor	($0.00041)	($0.00041)	
(23)	SOS Adminstrative Cost Adjustment Factor	$0.00159	$0.00159	
(24)	Renewable Energy Standard Charge	$0.00004	$0.00004	
	Line Item on Bill			
(25)	Customer Charge	$10.00	$10.00	
(26)	LIHEAP Enhancement Charge	$0.81	$0.81	
(27)	RE Growth Program	$1.26	$1.26	
(28)	Transmission Charge	$0.02726	$0.02726	
(29)	Distribution Energy Charge	$0.04020	$0.04020	
(30)	Transition Charge	($0.00087)	($0.00087)	
(31)	Energy Efficiency Programs	$0.01002	$0.01002	
(32)	Renewable Energy Distribution Charge	$0.00690	$0.00690	
(33)	Supply Services Energy Charge	$0.08190	$0.10770	

Column (o): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Column (p): Lines (1) through (20), (22) through (24) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Line (21): Illustrative Commercial Standard Offer Service Base Rate per Attachment McKee 1-5(a), Page 1, Line (17)

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

			Present Rates				Proposed Rates Effective October 1, 2018				$ Increase (Decrease)				Increase (Decrease) % of Total Bill			
kW	Monthly Power Hours Use (a)	kWh	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (f)	Supply Services (g)	GET (h)	Total (i)	Delivery Services (j)	Supply Services (k)	GET (l)	Total (m)
20	200	4,000	$432.32	$327.60	$31.66	$791.58	$432.32	$430.80	$35.96	$899.08	$0.00	$103.20	$4.30	$107.50	0.0%	13.0%	0.5%	13.6%
50	200	10,000	$944.06	$819.00	$73.46	$1,836.52	$944.06	$1,077.00	$84.21	$2,105.27	$0.00	$258.00	$10.75	$268.75	0.0%	14.0%	0.6%	14.6%
100	200	20,000	$1,796.96	$1,638.00	$143.12	$3,578.08	$1,796.96	$2,154.00	$164.62	$4,115.58	$0.00	$516.00	$21.50	$537.50	0.0%	14.4%	0.6%	15.0%
150	200	30,000	$2,649.86	$2,457.00	$212.79	$5,319.65	$2,649.86	$3,231.00	$245.04	$6,125.90	$0.00	$774.00	$32.25	$806.25	0.0%	14.5%	0.6%	15.2%
20	300	6,000	$502.70	$491.40	$41.42	$1,035.52	$502.70	$646.20	$47.87	$1,196.77	$0.00	$154.80	$6.45	$161.25	0.0%	14.9%	0.6%	15.6%
50	300	15,000	$1,120.01	$1,228.50	$97.85	$2,446.36	$1,120.01	$1,615.50	$113.98	$2,849.49	$0.00	$387.00	$16.13	$403.13	0.0%	15.8%	0.7%	16.5%
100	300	30,000	$2,148.86	$2,457.00	$191.91	$4,797.77	$2,148.86	$3,231.00	$224.16	$5,604.02	$0.00	$774.00	$32.25	$806.25	0.0%	16.1%	0.7%	16.8%
150	300	45,000	$3,177.71	$3,685.50	$285.97	$7,149.18	$3,177.71	$4,846.50	$334.34	$8,358.55	$0.00	$1,161.00	$48.37	$1,209.37	0.0%	16.2%	0.7%	16.9%
20	400	8,000	$573.08	$655.20	$51.18	$1,279.46	$573.08	$861.60	$59.78	$1,494.46	$0.00	$206.40	$8.60	$215.00	0.0%	16.1%	0.7%	16.8%
50	400	20,000	$1,295.96	$1,638.00	$122.25	$3,056.21	$1,295.96	$2,154.00	$143.75	$3,593.71	$0.00	$516.00	$21.50	$537.50	0.0%	16.9%	0.7%	17.6%
100	400	40,000	$2,500.76	$3,276.00	$240.70	$6,017.46	$2,500.76	$4,308.00	$283.70	$7,092.46	$0.00	$1,032.00	$43.00	$1,075.00	0.0%	17.2%	0.7%	17.9%
150	400	60,000	$3,705.56	$4,914.00	$359.15	$8,978.71	$3,705.56	$6,462.00	$423.65	$10,591.21	$0.00	$1,548.00	$64.50	$1,612.50	0.0%	17.2%	0.7%	18.0%
20	500	10,000	$643.46	$819.00	$60.94	$1,523.40	$643.46	$1,077.00	$71.69	$1,792.15	$0.00	$258.00	$10.75	$268.75	0.0%	16.9%	0.7%	17.6%
50	500	25,000	$1,471.91	$2,047.50	$146.64	$3,666.05	$1,471.91	$2,692.50	$173.52	$4,337.93	$0.00	$645.00	$26.88	$671.88	0.0%	17.6%	0.7%	18.3%
100	500	50,000	$2,852.66	$4,095.00	$289.49	$7,237.15	$2,852.66	$5,385.00	$343.24	$8,580.90	$0.00	$1,290.00	$53.75	$1,343.75	0.0%	17.8%	0.7%	18.6%
150	500	75,000	$4,233.41	$6,142.50	$432.33	$10,808.24	$4,233.41	$8,077.50	$512.95	$12,823.86	$0.00	$1,935.00	$80.62	$2,015.62	0.0%	17.9%	0.7%	18.6%
20	600	12,000	$713.84	$982.80	$70.69	$1,767.33	$713.84	$1,292.40	$83.59	$2,089.83	$0.00	$309.60	$12.90	$322.50	0.0%	17.5%	0.7%	18.2%
50	600	30,000	$1,647.86	$2,457.00	$171.04	$4,275.90	$1,647.86	$3,231.00	$203.29	$5,082.15	$0.00	$774.00	$32.25	$806.25	0.0%	18.1%	0.8%	18.9%
100	600	60,000	$3,204.56	$4,914.00	$338.27	$8,456.83	$3,204.56	$6,462.00	$402.77	$10,069.33	$0.00	$1,548.00	$64.50	$1,612.50	0.0%	18.3%	0.8%	19.1%
150	600	90,000	$4,761.26	$7,371.00	$505.51	$12,637.77	$4,761.26	$9,693.00	$602.26	$15,056.52	$0.00	$2,322.00	$96.75	$2,418.75	0.0%	18.4%	0.8%	19.1%

		Present Rates (o)	Illustrative Rates Effective October 1, 2018 (p)	Line Item on Bill
(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 Program 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	$0.00128	$0.00128	
(7)	Operating & Maintenance Expense Reconciliation Factor	($0.00001)	($0.00001)	
(8)	FY18 CapEx Factor Demand Charge (per kW > 10kW)	$0.80	$0.80	
(9)	CapEx Reconciliation Factor	($0.00098)	($0.00098)	Distribution Energy Charge
(10)	Revenue Decoupling Adjustment Factor	$0.00184	$0.00184	
(11)	Pension Adjustment Factor	($0.00085)	($0.00085)	
(12)	Storm Fund Replenishment Factor	$0.00288	$0.00288	
(13)	Arrearage Management Adjustment Factor	$0.00002	$0.00002	
(14)	Long-term Contracting for Renewable Energy Charge	$0.00647	$0.00647	Renewable Energy Distribution Charge
(15)	Net Metering Charge	$0.00043	$0.00043	
(16)	Transmission Demand Charge	$4.37	$4.37	Transmission Demand Charge
(17)	Base Transmission Charge	$0.01231	$0.01231	
(18)	Transmission Adjustment Factor	($0.00236)	($0.00236)	Transmission Adjustment
(19)	Transmission Uncollectible Factor	$0.00033	$0.00033	
(20)	Base Transition Charge	($0.00083)	($0.00083)	Transition Charge
(21)	Transition Adjustment	($0.00004)	($0.00004)	
(22)	Energy Efficiency Program Charge	$0.01002	$0.01002	Energy Efficiency Programs
(23)	Standard Offer Service Base Charge	$0.08068	$0.10648	
(24)	SOS Adjustment Factor	($0.00041)	($0.00041)	Supply Services Energy Charge
(25)	SOS Adminstrative Cost Adjustment Factor	$0.00159	$0.00159	
(26)	Renewable Energy Standard Charge	$0.00004	$0.00004	
	Line Item on Bill			
(27)	Customer Charge	$135.00	$135.00	
(29)	LIHEAP Enhancement Charge	$0.81	$0.81	
(28)	RE Growth Program	$11.85	$11.85	
(30)	Transmission Adjustment	$0.01028	$0.01028	
(31)	Distribution Energy Charge	$0.00886	$0.00886	
(32)	Distribution Demand Charge	$5.65	$5.65	
(33)	Transmission Demand Charge	$4.37	$4.37	
(32)	Transition Charge	($0.00087)	($0.00087)	
(33)	Energy Efficiency Programs	$0.01002	$0.01002	
(34)	Renewable Energy Distribution Charge	$0.00690	$0.00690	
(35)	Supply Services Energy Charge	$0.08190	$0.10770	

Column (o): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Column (p): Lines (1) through (22), (24) through (26) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Line (21): Illustrative Commercial Standard Offer Service Base Rate per Attachment McKee 1-5(a), Page 1, Line (17)

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

Monthly kWh	Illustrative Rates as per McKee 1-5(a), Page 1				Illustrative Rates Effective April 1, 2019				$ Increase (Decrease)				Increase (Decrease) % of Total Bill				Percentage of Customers
	Delivery Services	Supply Services	GET	Total	Delivery Services	Supply Services	GET	Total	Delivery Services	Supply Services	GET	Total	Delivery Services	Supply Services	GET	Total	
(a)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
250	$32.95	$26.93	$2.50	$62.38	$32.95	$22.25	$2.30	$57.50	$0.00	($4.68)	($0.20)	($4.88)	0.0%	-7.5%	-0.3%	-7.8%	56.3%
500	$53.83	$53.85	$4.49	$112.17	$53.83	$44.51	$4.10	$102.44	$0.00	($9.34)	($0.39)	($9.73)	0.0%	-8.3%	-0.3%	-8.7%	16.9%
1,000	$95.58	$107.70	$8.47	$211.75	$95.58	$89.01	$7.69	$192.28	$0.00	($18.69)	($0.78)	($19.47)	0.0%	-8.8%	-0.4%	-9.2%	8.1%
1,500	$137.34	$161.55	$12.45	$311.34	$137.34	$133.52	$11.29	$282.15	$0.00	($28.03)	($1.16)	($29.19)	0.0%	-9.0%	-0.4%	-9.4%	5.0%
2,000	$179.09	$215.40	$16.44	$410.93	$179.09	$178.02	$14.88	$371.99	$0.00	($37.38)	($1.56)	($38.94)	0.0%	-9.1%	-0.4%	-9.5%	13.6%

		Illustrative Rates as per McKee 1-5(a), Page 1	Illustrative Rates Effective April 1, 2019	Line Item on Bill
		(o)	(p)	
(1)	Distribution Customer Charge	$10.00	$10.00	Customer Charge
(2)	LIHEAP Enhancement Charge	$0.81	$0.81	LIHEAP Enhancement Charge
(3)	Renewable Energy Growth Program Charge	$1.26	$1.26	RE Growth Program
(4)	Distribution Charge (per kWh)	$0.03253	$0.03253	Distribution Energy Charge
(5)	Operating & Maintenance Expense Charge	$0.00176	$0.00176	
(6)	Operating & Maintenance Expense Reconciliation Factor	($0.00001)	($0.00001)	
(7)	FY18 CapEx Factor Charge	$0.00322	$0.00322	
(8)	CapEx Reconciliation Factor	($0.00119)	($0.00119)	
(9)	Revenue Decoupling Adjustment Factor	$0.00184	$0.00184	
(10)	Pension Adjustment Factor	($0.00085)	($0.00085)	
(11)	Storm Fund Replenishment Factor	$0.00288	$0.00288	
(12)	Arrearage Management Adjustment Factor	$0.00002	$0.00002	
(13)	Long-term Contracting for Renewable Energy Charge	$0.00647	$0.00647	Renewable Energy Distribution Charge
(14)	Net Metering Charge	$0.00043	$0.00043	
(15)	Base Transmission Charge	$0.03167	$0.03167	Transmission Charge
(16)	Transmission Adjustment Factor	($0.00474)	($0.00474)	
(17)	Transmission Uncollectible Factor	$0.00033	$0.00033	
(18)	Base Transition Charge	($0.00083)	($0.00083)	Transition Charge
(19)	Transition Adjustment	($0.00004)	($0.00004)	
(20)	Energy Efficiency Program Charge	$0.01002	$0.01002	Energy Efficiency Programs
(21)	Standard Offer Service Base Charge	$0.10648	$0.08779	Supply Services Energy Charge
(22)	SOS Adjustment Factor	($0.00041)	($0.00041)	
(23)	SOS Adminstrative Cost Adjustment Factor	$0.00159	$0.00159	
(24)	Renewable Energy Standard Charge	$0.00004	$0.00004	
	Line Item on Bill			
(25)	Customer Charge	$10.00	$10.00	
(26)	LIHEAP Enhancement Charge	$0.81	$0.81	
(27)	RE Growth Program	$1.26	$1.26	
(28)	Transmission Charge	$0.02726	$0.02726	
(29)	Distribution Energy Charge	$0.04020	$0.04020	
(30)	Transition Charge	($0.00087)	($0.00087)	
(31)	Energy Efficiency Programs	$0.01002	$0.01002	
(32)	Renewable Energy Distribution Charge	$0.00690	$0.00690	
(33)	Supply Services Energy Charge	$0.10770	$0.08901	

Column (o): Lines (1) through (20), (22) through (24) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018; Line (2
per Attachment McKee 1-5(a), Page 1, Line (17)
Column (p): Lines (1) through (20), (22) through (24) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Line (21): Illustrative Commercial Standard Offer Service Base Rate per Attachment McKee 1-5(a), Page 2, Line (11)

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

			Illustrative Rates as per McKee 1-5(a), Page 1				Illustrative Rates Effective April 1, 2019				$ Increase (Decrease)				Increase (Decrease) % of Total Bill			
kW	Monthly Power Hours Use	kWh	Delivery Services	Supply Services	GET	Total	Delivery Services	Supply Services	GET	Total	Delivery Services	Supply Services	GET	Total	Delivery Services	Supply Services	GET	Total
	(a)		(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
20	200	4,000	$432.32	$430.80	$35.96	$899.08	$432.32	$356.04	$32.85	$821.21	$0.00	($74.76)	($3.11)	($77.87)	0.0%	-8.3%	-0.3%	-8.7%
50	200	10,000	$944.06	$1,077.00	$84.21	$2,105.27	$944.06	$890.10	$76.42	$1,910.58	$0.00	($186.90)	($7.79)	($194.69)	0.0%	-8.9%	-0.4%	-9.2%
100	200	20,000	$1,796.96	$2,154.00	$164.62	$4,115.58	$1,796.96	$1,780.20	$149.05	$3,726.21	$0.00	($373.80)	($15.57)	($389.37)	0.0%	-9.1%	-0.4%	-9.5%
150	200	30,000	$2,649.86	$3,231.00	$245.04	$6,125.90	$2,649.86	$2,670.30	$221.67	$5,541.83	$0.00	($560.70)	($23.37)	($584.07)	0.0%	-9.2%	-0.4%	-9.5%
20	300	6,000	$502.70	$646.20	$47.87	$1,196.77	$502.70	$534.06	$43.20	$1,079.96	$0.00	($112.14)	($4.67)	($116.81)	0.0%	-9.4%	-0.4%	-9.8%
50	300	15,000	$1,120.01	$1,615.50	$113.98	$2,849.49	$1,120.01	$1,335.15	$102.30	$2,557.46	$0.00	($280.35)	($11.68)	($292.03)	0.0%	-9.8%	-0.4%	-10.2%
100	300	30,000	$2,148.86	$3,231.00	$224.16	$5,604.02	$2,148.86	$2,670.30	$200.80	$5,019.96	$0.00	($560.70)	($23.36)	($584.06)	0.0%	-10.0%	-0.4%	-10.4%
150	300	45,000	$3,177.71	$4,846.50	$334.34	$8,358.55	$3,177.71	$4,005.45	$299.30	$7,482.46	$0.00	($841.05)	($35.04)	($876.09)	0.0%	-10.1%	-0.4%	-10.5%
20	400	8,000	$573.08	$861.60	$59.78	$1,494.46	$573.08	$712.08	$53.55	$1,338.71	$0.00	($149.52)	($6.23)	($155.75)	0.0%	-10.0%	-0.4%	-10.4%
50	400	20,000	$1,295.96	$2,154.00	$143.75	$3,593.71	$1,295.96	$1,780.20	$128.17	$3,204.33	$0.00	($373.80)	($15.58)	($389.38)	0.0%	-10.4%	-0.4%	-10.8%
100	400	40,000	$2,500.76	$4,308.00	$283.70	$7,092.46	$2,500.76	$3,560.40	$252.55	$6,313.71	$0.00	($747.60)	($31.15)	($778.75)	0.0%	-10.5%	-0.4%	-11.0%
150	400	60,000	$3,705.56	$6,462.00	$423.65	$10,591.21	$3,705.56	$5,340.60	$376.92	$9,423.08	$0.00	($1,121.40)	($46.73)	($1,168.13)	0.0%	-10.6%	-0.4%	-11.0%
20	500	10,000	$643.46	$1,077.00	$71.69	$1,792.15	$643.46	$890.10	$63.90	$1,597.46	$0.00	($186.90)	($7.79)	($194.69)	0.0%	-10.4%	-0.4%	-10.9%
50	500	25,000	$1,471.91	$2,692.50	$173.52	$4,337.93	$1,471.91	$2,225.25	$154.05	$3,851.21	$0.00	($467.25)	($19.47)	($486.72)	0.0%	-10.8%	-0.4%	-11.2%
100	500	50,000	$2,852.66	$5,385.00	$343.24	$8,580.90	$2,852.66	$4,450.50	$304.30	$7,607.46	$0.00	($934.50)	($38.94)	($973.44)	0.0%	-10.9%	-0.5%	-11.3%
150	500	75,000	$4,233.41	$8,077.50	$512.95	$12,823.86	$4,233.41	$6,675.75	$454.55	$11,363.71	$0.00	($1,401.75)	($58.40)	($1,460.15)	0.0%	-10.9%	-0.5%	-11.4%
20	600	12,000	$713.84	$1,292.40	$83.59	$2,089.83	$713.84	$1,068.12	$74.25	$1,856.21	$0.00	($224.28)	($9.34)	($233.62)	0.0%	-10.7%	-0.4%	-11.2%
50	600	30,000	$1,647.86	$3,231.00	$203.29	$5,082.15	$1,647.86	$2,670.30	$179.92	$4,498.08	$0.00	($560.70)	($23.37)	($584.07)	0.0%	-11.0%	-0.5%	-11.5%
100	600	60,000	$3,204.56	$6,462.00	$402.77	$10,069.33	$3,204.56	$5,340.60	$356.05	$8,901.21	$0.00	($1,121.40)	($46.72)	($1,168.12)	0.0%	-11.1%	-0.5%	-11.6%
150	600	90,000	$4,761.26	$9,693.00	$602.26	$15,056.52	$4,761.26	$8,010.90	$532.17	$13,304.33	$0.00	($1,682.10)	($70.09)	($1,752.19)	0.0%	-11.2%	-0.5%	-11.6%

		Illustrative Rates as per DIV 2-1(a), Page 1 (o)	Illustrative Rates Effective April 1, 2019 (p)	Line Item on Bill
(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 Program 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	Distribution Energy Charge
(6)	Operating & Maintenance Expense Charge	$0.00128	$0.00128	
(7)	Operating & Maintenance Expense Reconciliation Factor	($0.00001)	($0.00001)	
(8)	FY18 CapEx Factor Demand Charge (per kW > 10kW)	$0.80	$0.80	
(9)	CapEx Reconciliation Factor	($0.00098)	($0.00098)	
(10)	Revenue Decoupling Adjustment Factor	$0.00184	$0.00184	
(11)	Pension Adjustment Factor	($0.00085)	($0.00085)	
(12)	Storm Fund Replenishment Factor	$0.00288	$0.00288	
(13)	Arrearage Management Adjustment Factor	$0.00002	$0.00002	
(14)	Long-term Contracting for Renewable Energy Charge	$0.00647	$0.00647	Renewable Energy Distribution Charge
(15)	Net Metering Charge	$0.00043	$0.00043	
(16)	Transmission Demand Charge	$4.37	$4.37	Transmission Demand Charge
(17)	Base Transmission Charge	$0.01231	$0.01231	Transmission Adjustment
(18)	Transmission Adjustment Factor	($0.00236)	($0.00236)	
(19)	Transmission Uncollectible Factor	$0.00033	$0.00033	
(20)	Base Transition Charge	($0.00083)	($0.00083)	Transition Charge
(21)	Transition Adjustment	($0.00004)	($0.00004)	
(22)	Energy Efficiency Program Charge	$0.01002	$0.01002	Energy Efficiency Programs
(23)	Standard Offer Service Base Charge	$0.10648	$0.08779	Supply Services Energy Charge
(24)	SOS Adjustment Factor	($0.00041)	($0.00041)	
(25)	SOS Adminstrative Cost Adjustment Factor	$0.00159	$0.00159	
(26)	Renewable Energy Standard Charge	$0.00004	$0.00004	
	Line Item on Bill			
(27)	Customer Charge	$135.00	$135.00	
(29)	LIHEAP Enhancement Charge	$0.81	$0.81	
(28)	RE Growth Program	$11.85	$11.85	
(30)	Transmission Adjustment	$0.01028	$0.01028	
(31)	Distribution Energy Charge	$0.00886	$0.00886	
(32)	Distribution Demand Charge	$5.65	$5.65	
(33)	Transmission Demand Charge	$4.37	$4.37	
(32)	Transition Charge	($0.00087)	($0.00087)	
(33)	Energy Efficiency Programs	$0.01002	$0.01002	
(34)	Renewable Energy Distribution Charge	$0.00690	$0.00690	
(35)	Supply Services Energy Charge	$0.10770	$0.08901	

Column (o): Lines (1) through (20), (22) through (24) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018; Line (21) per Attachment McKee 1-5(a), Page 1, Line (17)
Column (p): Lines (1) through (22), (24) through (26) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Line (21): Illustrative Commercial Standard Offer Service Base Rate per Attachment McKee 1-5(a), Page 2, Line (11)