

The Narragansett Electric Company

d/b/a National Grid

INVESTIGATION AS TO THE
PROPRIETY OF PROPOSED TARIFF
CHANGES

Compliance Filing

Compliance Attachment 11 through
Compliance Attachment 14

Book 6 of 7

August 16, 2018

Submitted to:
Rhode Island Public Utilities Commission
RIPUC Docket Nos. 4770/4780

Submitted by:

nationalgrid

Compliance Attachment 11

Narragansett Electric Streetlight Replacement Cost Study

**Street and Area Lighting Replacement Cost Study
for
Decorative and Light Emitting Diode (LED) Lighting**

Index

	Page
Summary of Luminaire and Standard Cost	1
Allocation of O&M	2
Lamp Replacement Cost	3
Carrying Charge per Unit	4
Annual Carrying Charge	5
A&G Expense	6
Labor Overhead, Materials Overhead, Engineering Overheads, and Transportation/Equipment Costs	7
Materials Purchase Price as of November 2017	8
Replacement Cost Study	9 - 31

The Narragansett Electric Company
Street and Area Lighting Replacement Cost Study
Summary of Luminaire and Standard Cost

Luminaire/Pole Description	Lumen Size (a)	Input Wattage (KW) (b)	Burning Hours (Annual) (c)	Annual kWh (Including Photo Cell) (d)	Annual Lamp	Annual Photo	Annual Labor & Equipment Cost (g)	Allocation of O&M (h)	Allocation of Administrative & General (i)	Total O&M (j)	Carrying Charge (k)	Total Cost (l)
					Replacement Cost (Materials) (e)	Cell Replacement (Material) (f)						
<u>Luminaires:</u>												
(1) DEC HPS TR 50W	4,000	0.06107784	4,175	257	\$1.19	\$0.51	\$18.45	\$9.37	\$25.31	\$54.83	\$101.33	\$156.16
(2) DEC HPS TR 100W	9,600	0.11808383	4,175	495	\$1.19	\$0.51	\$18.45	\$18.04	\$25.31	\$63.50	\$101.55	\$165.05
(3) DEC HPS AG 50W	4,000	0.06107784	4,175	257	\$1.19	\$0.51	\$18.45	\$9.37	\$25.31	\$54.83	\$169.33	\$224.16
(4) DEC HPS AG 100W	9,600	0.11808383	4,175	495	\$1.19	\$0.51	\$18.45	\$18.04	\$25.31	\$63.50	\$161.42	\$224.92
(5) DEC HPS WL 50W	4,000	0.06107784	4,175	257	\$1.19	\$0.51	\$18.45	\$9.37	\$25.31	\$54.83	\$193.05	\$247.88
(6) DEC HPS WL 100W	9,600	0.11808383	4,175	495	\$1.19	\$0.51	\$18.45	\$18.04	\$25.31	\$63.50	\$196.17	\$259.67
(7) DEC HPS TR-TW 50W	4,000	0.12215569	4,175	512	\$2.39	\$0.51	\$19.65	\$18.66	\$26.96	\$68.17	\$278.76	\$346.93
(8) DEC HPS TR-TW 100W	9,600	0.23616766	4,175	988	\$2.39	\$0.51	\$19.65	\$36.00	\$26.96	\$85.51	\$279.21	\$364.72
(9) DEC HPS AG-TW 50W	4,000	0.12215569	4,175	512	\$2.39	\$0.51	\$19.65	\$18.66	\$26.96	\$68.17	\$414.76	\$482.93
(10) DEC HPS AG-TW 100W	9,600	0.23616766	4,175	988	\$2.39	\$0.51	\$19.65	\$36.00	\$26.96	\$85.51	\$398.95	\$484.46
(11) DEC HPS WL-TW 50W	4,000	0.12215569	4,175	512	\$2.39	\$0.51	\$19.65	\$18.66	\$26.96	\$68.17	\$462.20	\$530.37
(12) DEC HPS WL-TW 100W	9,600	0.23616766	4,175	988	\$2.39	\$0.51	\$19.65	\$36.00	\$26.96	\$85.51	\$468.44	\$553.95
(13) LED RWY 20W	2,000	0.02107784	4,175	90	\$0.00	\$0.00	\$10.80	\$3.28	\$14.81	\$28.89	\$105.27	\$134.16
(14) LED RWY 30W	3,300	0.03113772	4,175	132	\$0.00	\$0.00	\$10.80	\$4.81	\$14.81	\$30.42	\$105.27	\$135.69
(15) LED RWY 60W	5,000	0.06107784	4,175	257	\$0.00	\$0.00	\$10.80	\$9.37	\$14.81	\$34.98	\$107.47	\$142.45
(16) LED RWY 140W	9,900	0.14107784	4,175	591	\$0.00	\$0.00	\$10.80	\$21.54	\$14.81	\$47.15	\$127.45	\$174.60
(17) LED RWY 275W	25,000	0.27616766	4,175	1,155	\$0.00	\$0.00	\$10.80	\$42.09	\$14.81	\$67.70	\$169.75	\$237.45
(18) LED Post Top 60W	5,000	0.06107784	4,175	257	\$0.00	\$0.00	\$10.80	\$9.37	\$14.81	\$34.98	\$164.28	\$199.26
(19) DEC LED TW Post Top 60W	5,000	0.12215569	4,175	512	\$0.00	\$0.00	\$10.80	\$18.66	\$14.81	\$44.27	\$378.94	\$423.21
<u>Poles:</u>												
(20) DEC VILL PT/FDN	-	-	-	-	-	-	-	-	-	\$0.00	\$340.96	\$340.96
(21) DEC WASH PT/FDN	-	-	-	-	-	-	-	-	-	\$0.00	\$450.86	\$450.86

- (a) streetlight standards
- (b) per Page 2, Column (c)
- (c) per Page 2, Line (4)
- (d) Column (b) x Column (c), rounded to zero decimal places, plus Photo Cell annual kWhs on Page 2, Column (e)
- (e) per Page 3, Column (e)
- (f) per Page 3, Column (e)
- (g) luminaire annual labor & equipment cost per page 3, Column (g) + photo cell annual labor & equipment cost per page 3, Column (g)
- (h) per Page 2, Column (h)
- (i) luminaire annual A&G expense per page 3, Column (j) + photo cell annual A&G expense per page 3, Column (j)
- (j) Sum of Columns (e) through (i)
- (k) per Page 4, Column (c)
- (l) Column (j) + Column (k)

The Narragansett Electric Company
Allocation of O&M

SECTION I: Calculation of Photo Cell Annual kWh

(1) Total Annual Days	365
(2) 24 Burning Hours per Day	24
(3) Burning Hours for WALL HPS 250W 24 HR	8,760
(4) Fisher-Pierce Burning Hour Study/Luminaire Burning Hours for All Other Luminaires	4,175
(5) Photo Cell Burning Hours	4,585
(6) Wattage	0.0005
(7) Photocell Annual kWhs (all luminaires)	2

SECTION II: Calculation of Luminaire kWhs and O&M Cost per Luminaire

Luminaire Description (a)	Annual Burning Hours (b)	Wattage (c)	Luminaire Annual kWh (d)	Photo Cell Annual kWh (e)	Total Annual kWh (f)	O&M Cost Cost per kWh (g)	O&M Cost per Unit (h)
(8) DEC HPS TR 50W	4,175	0.061	255	2	257	\$0.03644	\$9.37
(9) DEC HPS TR 100W	4,175	0.118	493	2	495	\$0.03644	\$18.04
(10) DEC HPS AG 50W	4,175	0.061	255	2	257	\$0.03644	\$9.37
(11) DEC HPS AG 100W	4,175	0.118	493	2	495	\$0.03644	\$18.04
(12) DEC HPS WL 50W	4,175	0.061	255	2	257	\$0.03644	\$9.37
(13) DEC HPS WL 100W	4,175	0.118	493	2	495	\$0.03644	\$18.04
(14) DEC HPS TR-TW 50W	4,175	0.122	510	2	512	\$0.03644	\$18.66
(15) DEC HPS TR-TW 100W	4,175	0.236	986	2	988	\$0.03644	\$36.00
(16) DEC HPS AG-TW 50W	4,175	0.122	510	2	512	\$0.03644	\$18.66
(17) DEC HPS AG-TW 100W	4,175	0.236	986	2	988	\$0.03644	\$36.00
(18) DEC HPS WL-TW 50W	4,175	0.122	510	2	512	\$0.03644	\$18.66
(19) DEC HPS WL-TW 100W	4,175	0.236	986	2	988	\$0.03644	\$36.00
(20) LED RWY 20W	4,175	0.021	88	2	90	\$0.03644	\$3.28
(21) LED RWY 30W	4,175	0.031	130	2	132	\$0.03644	\$4.81
(22) LED RWY 60W	4,175	0.061	255	2	257	\$0.03644	\$9.37
(23) LED RWY 140W	4,175	0.141	589	2	591	\$0.03644	\$21.54
(24) LED RWY 275W	4,175	0.276	1153	2	1,155	\$0.03644	\$42.09
(25) LED Post Top 60W	4,175	0.061	255	2	257	\$0.03644	\$9.37
(26) DEC LED TW Post Top 60W	4,175	0.122	510	2	512	\$0.03644	\$18.66

- (1) No. of days per year
- (2) No. of hours per day
- (3) Line (1) x Line (2)
- (4) Fisher-Pierce Burning Hour Study
- (5) Line (3) - Line (4)
- (6) Streetlighting standards
- (7) Line (5) x Line (6)

- (a) luminaire description
- (b) per Section I, Line (4)
- (c) Streetlighting standards
- (d) Column (b) x Column (c), rounded to zero decimal places
- (e) per Section I, Line (7)
- (f) Column (d) + (e)
- (g) per Attachment 14 Schedule 1C-3, Page 6 of 6, line 202
- (h) Column (f) x Column (g), rounded to two decimal places

The Narragansett Electric Company
Lamp Replacement Cost

Luminaire Description (a)	Luminaire Short Name Description (b)	Lamp Replacement Cost (c)	Life Multiplier (years) (d)	Annual Material Cost (e)	Labor & Equipment Replacement Cost (f)	Annual Labor & Equipment Cost (g)	Total Annual Labor & Material Costs (h)	A&G Percentage (i)	A&G Expense (j)
(1) Lumen HPS Decorative Post Top 4,000 (50W)	DEC HPS TR 50W	\$6.80	5.7	\$1.19	\$95.49	\$16.75	\$17.94	137.17%	\$24.61
(2) Lumen HPS Decorative Post Top 9,600 (100W)	DEC HPS TR 100W	\$6.80	5.7	\$1.19	\$95.49	\$16.75	\$17.94	137.17%	\$24.61
(3) Lumen HPS Decorative Post Top 4,000 (50W)	DEC HPS AG 50W	\$6.80	5.7	\$1.19	\$95.49	\$16.75	\$17.94	137.17%	\$24.61
(4) Lumen HPS Decorative Post Top 9,600 (100W)	DEC HPS AG 100W	\$6.80	5.7	\$1.19	\$95.49	\$16.75	\$17.94	137.17%	\$24.61
(5) Lumen HPS Decorative Post Top 4,000 (50W)	DEC HPS WL 50W	\$6.80	5.7	\$1.19	\$95.49	\$16.75	\$17.94	137.17%	\$24.61
(6) Lumen HPS Decorative Post Top 9,600 (100W)	DEC HPS WL 100W	\$6.80	5.7	\$1.19	\$95.49	\$16.75	\$17.94	137.17%	\$24.61
(7) Lumen HPS Decorative Post Top - Twin 4,000 (50W)	DEC HPS TR-TW 50W	\$13.60	5.7	\$2.39	\$95.49	\$16.75	\$19.14	137.17%	\$26.26
(8) Lumen HPS Decorative Post Top - Twin 9,600 (100W)	DEC HPS TR-TW 100W	\$13.60	5.7	\$2.39	\$95.49	\$16.75	\$19.14	137.17%	\$26.26
(9) Lumen HPS Decorative Post Top - Twin 4,000 (50W)	DEC HPS AG-TW 50W	\$13.60	5.7	\$2.39	\$95.49	\$16.75	\$19.14	137.17%	\$26.26
(10) Lumen HPS Decorative Post Top - Twin 9,600 (100W)	DEC HPS AG-TW 100W	\$13.60	5.7	\$2.39	\$95.49	\$16.75	\$19.14	137.17%	\$26.26
(11) Lumen HPS Decorative Post Top - Twin 4,000 (50W)	DEC HPS WL-TW 50W	\$13.60	5.7	\$2.39	\$95.49	\$16.75	\$19.14	137.17%	\$26.26
(12) Lumen HPS Decorative Post Top - Twin 9,600 (100W)	DEC HPS WL-TW 100W	\$13.60	5.7	\$2.39	\$95.49	\$16.75	\$19.14	137.17%	\$26.26
(13) Light Emitting Diode Roadway 2,000 Lumen (20W)	LED RWY 20W	\$0.00	n/a	\$0.00	\$0.00	\$0.00	\$0.00	137.17%	\$0.00
(14) Light Emitting Diode Roadway 3,300 Lumen (30W)	LED RWY 30W	\$0.00	n/a	\$0.00	\$0.00	\$0.00	\$0.00	137.17%	\$0.00
(15) Light Emitting Diode Roadway 5,000 Lumen (60W)	LED RWY 60W	\$0.00	n/a	\$0.00	\$0.00	\$0.00	\$0.00	137.17%	\$0.00
(16) Light Emitting Diode Roadway 9,900 Lumen (140W)	LED RWY 140W	\$0.00	n/a	\$0.00	\$0.00	\$0.00	\$0.00	137.17%	\$0.00
(17) Light Emitting Diode Roadway 25,000 Lumen (275W)	LED RWY 275W	\$0.00	n/a	\$0.00	\$0.00	\$0.00	\$0.00	137.17%	\$0.00
(18) Light Emitting Diode Post Top 5,000 Lumen (60W)	LED Post Top 60W	\$0.00	n/a	\$0.00	\$0.00	\$0.00	\$0.00	137.17%	\$0.00
(19) Light Emitting Diode Decorative Post Top 5,000 Lumen (60W)	DEC LED TW Post Top 60W	\$0.00	n/a	\$0.00	\$0.00	\$0.00	\$0.00	137.17%	\$0.00
(20) Photo Cell (non-LED)	Photo Cell (non-LED)	\$2.93	5.7	\$0.51	\$0.00	\$0.00	\$0.51	137.17%	\$0.70
(21) Photo Cell (LED)	Photo Cell (LED)	\$12.50	10.0	\$1.25	\$95.49	\$9.55	\$10.80	137.17%	\$14.81

(c) lamp material cost per Replacement Cost Studies, pages 9 through 31

(d) Streetlighting Standards

(e) Column (c) ÷ Column (d) rounded to 2 decimal places

(f) Page 23

(g) Column (f) ÷ Column (d)

(h) Column (e) + Column (g)

(i) Administrative & General Costs as a percentage of O&M Costs per page 6, Line (5)

(j) Column (h) x Column (i) rounded to two places

The Narragansett Electric Company
Carrying Charge per Unit

<u>Luminaire/Standard</u> <u>Short Description</u>	<u>Replacement</u> <u>Installed</u> <u>Cost</u> <u>(a)</u>	<u>Replacement</u> <u>Cost</u> <u>Study</u> <u>Page No.</u>	<u>Carrying</u> <u>Charge</u> <u>Rate</u> <u>(b)</u>	<u>Carrying</u> <u>Charge</u> <u>per Unit</u> <u>(c)</u>
<u>High Pressure Sodium Vapor - Post Tops:</u>				
(1) DEC HPS TR 50W	\$716.77	9	14.14%	\$101.33
(2) DEC HPS TR 100W	\$718.37	10	14.14%	\$101.55
(3) DEC HPS AG 50W	\$1,197.81	11	14.14%	\$169.33
(4) DEC HPS AG 100W	\$1,141.89	12	14.14%	\$161.42
(5) DEC HPS WL 50W	\$1,365.60	13	14.14%	\$193.05
(6) DEC HPS WL 100W	\$1,387.68	14	14.14%	\$196.17
(7) DEC HPS TR-TW 50W	\$1,971.93	15	14.14%	\$278.76
(8) DEC HPS TR-TW 100W	\$1,975.10	16	14.14%	\$279.21
(9) DEC HPS AG-TW 50W	\$2,934.01	17	14.14%	\$414.76
(10) DEC HPS AG-TW 100W	\$2,822.15	18	14.14%	\$398.95
(11) DEC HPS WL-TW 50W	\$3,269.58	19	14.14%	\$462.20
(12) DEC HPS WL-TW 100W	\$3,313.73	20	14.14%	\$468.44
<u>Light Emitting Diode</u>				
(13) LED RWY 20W	\$744.66	24	14.14%	\$105.27
(14) LED RWY 30W	\$744.66	25	14.14%	\$105.27
(15) LED RWY 60W	\$760.27	26	14.14%	\$107.47
(16) LED RWY 140W	\$901.59	27	14.14%	\$127.45
(17) LED RWY 275W	\$1,200.81	28	14.14%	\$169.75
(18) LED Post Top 60W	\$1,162.10	29	14.14%	\$164.28
(19) DEC LED TW Post Top 60W	\$2,680.61	30	14.14%	\$378.94
<u>Poles:</u>				
(20) DEC VILL PT/FDN	\$2,411.94	21	14.14%	\$340.96
(21) DEC WASH PT/FDN	\$3,189.40	22	14.14%	\$450.86

- (a) Plant Addition per Replacement Cost Study on pages 9 through 30
- (b) per Page 5, Line (5)
- (c) Column (a) x Column (b), rounded to two decimal places

The Narragansett Electric Company
Annual Carrying Charge

<u>(1) Capital Costs:</u>	<u>Capital Structure</u>	<u>Cost Rate</u>	<u>Weighted Return</u>
Long Term Debt	48.35%	4.62%	2.23%
Short Term Debt	0.60%	1.76%	0.01%
Preferred Stock(COP)	0.10%	4.50%	0.00%
Common Equity (COC)	50.95%	9.275%	4.73%
Total	100.00%		6.97%

<u>(2) Income Taxes:</u>	<u>Rate</u>	<u>Formula</u>	
Federal (FIT)	21.00%	$((COP) + COC) / (1 - 0.21) * 0.21 = FIT$	1.26%

(3) Depreciation Expense		Average Depreciable Plant in Service	4.00%
(4) Property Taxes	<u>Expense</u> \$30,530,258	<u>Plant in Service</u> \$1,601,539,721	1.91%
(5) Total Carrying Charge			14.14%

- (1) Compliance Attachment 2, Schedule 1, Page 4
- (2) see formula
- (3) Straight-line depreciation rate for the 25 year life of streetlights
- (4) Rate Year Municipal Property Tax Expense, Compliance Attachment 2, Schedule 1, page 1, line 15
Average Depreciable Plant in Service for the Rate Year, Compliance Attachment 2, Schedule 6-ELEC, page 2, line 11
- (5) Sum of Lines (1) through (4)

The Narragansett Electric Company
A&G Expense

(1) Total Distribution O&M Expense		\$44,205,000
(2) Administrative & General Expense	\$84,499,000	
(3) Employee Benefits	\$23,864,000	
(4) A&G Expense Excluding Benefits		\$60,635,000
(5) Percentage Allocation for A&G Expense		137.17%

- (1) Compliance Attachment 6, Schedule 1B, line 88
- (2) Compliance Attachment 6, Schedule 1B, line 118
- (3) Compliance Attachment 6, Schedule 1B, line 113
- (4) Line (2) - Line (3)
- (5) Line (4) ÷ Line (1), rounded to 4 decimal places

Crew Protection, and Transportation/Equipment Cost
Engineering Study Data
Labor Overhead, Materials Overhead, Engineering Overheads,
and Transportation/Equipment Costs

<u>Labor Overhead:</u>		
(1)	Benefits, Insurance, & Taxes	59.44%
(2)	Bonus Accrual	4.50%
(3)	Time Not Worked	<u>18.56%</u>
(4)	Total Labor Overhead	82.50%
(5)	Supervision & Admin (Standard Rate)	29.67%
<u>Materials Overhead</u>		
(6)	Stores Handling	23.25%
<u>Engineering Overheads:</u>		
(7)	Capital O & H	13.00%
(8)	Crew Protection (police detail) - hourly cost	\$59.51
(9)	Transportation Hourly Rate	\$10.22

- (1)-(4) Test Year July 1 2016-June 30 2017 average Monthly Allocation Percentages
- (5) Sum of Line 1 through 4
- (6) Test Year July 1 2016-June 30 2017 average Monthly Allocation Percentages
- (7) Test Year July 1 2016-June 30 2017 average Monthly Allocation Percentages
- (9) per current 2017 S.T.O.R.M. estimates

Materials Purchase Price as of November 2017

Material ID No.	Unit of Measure	Material Description		Unit Price 2017	
(1)	5105296	EA	ARM, TWIN, AL, 30 IN, POST TOP LUMINAIRE, BLACK	arm	\$388.05
(2)	0811027	EA	BRACKET FLOODLIGHT AL 30IN SINGLE	Bracket	\$88.00
(3)	0811030	EA	BRACKET PENDANT UPSWEEP SINGLE AL 6FT	Bracket	\$70.87
(4)	0811029	EA	BRACKET PENDANT UPSWEEP SINGLE AL 8FT	Bracket	\$39.45
(5)	3503328	EA	CLAMP, GROUND ROD, CU, FOR 5/8IN. DIA GROUND ROD	clamp	\$1.11
(6)	3503073	EA	CLAMP, GROUND, CONDUIT, NO 4 - 4/10, 1-1IN - 2IN IPS	clamp	\$15.40
(7)	5105197	EA	CONNECTOR, ST LIGHT, #14 AWG TO #2 AWG, AL OR CU	connector	\$11.30
(8)	5963930	EA	CONNECTOR, VISE, 4 AWG SOLID OR 5 AWG, AL OR CU	connector	\$1.90
(9)	0811057	ES	CONTROL, PELEC, 120-300VAC, 1000W, BLUE, TWISTLOCK	control	\$12.50
(10)	0811055	EA	CONTROL, PELEC, 120VAC, 1000W, GRAY, TWISTLOCK	control	\$2.93
(11)	5821035	EA	FOUNDATION, LTG, 24IN X 24 IN X 5FT, 11 1/2IN BC, PRCST	foundation	\$389.96
(12)	5105198	EA	HOLDER, FUSE, ST LIGHT, #6- #2 AWG, COND	holder	\$5.12
(13)	5824615	EA	LAMP, HPS, NON-CYCLING, 50W, MOGUL SCREW BASE, CLEAR	lamp	\$6.80
(14)	0801867	EA	LAMP, HID, METAL HALIDE, 400W, MOGUL SCREW BASE, CLEAR	lamp	\$8.00
(15)	2508100	EA	LAMP, HPS, NON-CYCLING, 100W, CLEAR, MOGUL BASE	lamp	\$6.80
(16)	2508150	EA	LAMP, HPS, NON-CYCLING, 150W, CLEAR, MOGUL BASE	lamp	\$6.80
(17)	2508250	EA	LAMP, HPS, NON-CYCLING, 250W, CLEAR, MOGUL BASE	lamp	\$8.05
(18)	2508400	EA	LAMP, HPS, NON-CYCLING, 400W, CLEAR, MOGUL BASE	lamp	\$9.00
(19)	2508070	EA	LAMP, HPS, NON-CYCLING, 70W, CLEAR, MOGUL BASE	lamp	\$6.80
(20)	0811060	EA	LUMINAIRE, FLOODLIGHT, 250W, HPS, 120V, REG BLST	luminaire	\$130.18
(21)	0811061	EA	LUMINAIRE, FLOODLIGHT, 400W, HPS, 120V, REG BLST	luminaire	\$133.43
(22)	9202149	EA	LUMINAIRE, FLOODLIGHT, 400W, MH, 120V, REG BLST	luminaire	\$125.00
(23)	5821438	EA	LUMINAIRE, HORIZONTAL ROADWAY SEMI-CUTOFF II GRAY 50W	luminaire	\$69.18
(24)	0810946	EA	LUMINAIRE, POST TOP, 100W HPS, WILLIAMSVILLE, REG BLST	luminaire	\$614.00
(25)	9202342	EA	LUMINAIRE, POST TOP, ASPEN GROVE, 50W HPS, 120V, BLACK	luminaire	\$485.00
(26)	2507081	EA	LUMINAIRE, POST TOP, IES III, BLK, HPS, REG, 100W, ASPE	luminaire	\$447.00
(27)	5821461	EA	LUMINAIRE, POST TOP, SEMI-CUTOFF III, SEMI-GLOSS BLK,	luminaire	\$158.17
(28)	0811079	EA	LUMINAIRE, POST TOP, TRADITIONAL, 100W, HPS, REAC BLST	luminaire	\$159.25
(29)	n/a	EA	LUMINAIRE, POST TOP, TRADITIONAL, 60W, LED	luminaire	\$460.00
(30)	9202343	EA	LUMINAIRE, POST TOP, WILLIAMSVILLE, 50W HPS, 120V, BLAC	luminaire	\$599.00
(31)	0811070	EA	LUMINAIRE, ROADWAY, MSC, IES II, GRAY, NPF REA, 150W	luminaire	\$56.11
(32)	0811069	EA	LUMINAIRE, ROADWAY, MSC, IES II, HPS, NPF REA, 100W	luminaire	\$69.18
(33)	0811068	EA	LUMINAIRE, ROADWAY, MSC, IES II, HPS, NPF REA, 70W	luminaire	\$69.18
(34)	n/a	EA	LUMINAIRE, ROADWAY, MSC, IES II, LED, 20W	luminaire	\$103.88
(35)	n/a	EA	LUMINAIRE, ROADWAY, MSC, IES II, LED, 30W	luminaire	\$103.88
(36)	n/a	EA	LUMINAIRE, ROADWAY, MSC, IES II, LED, 60W	luminaire	\$114.48
(37)	0811066	EA	LUMINAIRE, ROADWAY, MSC, IES III, GRAY, NPF REA, 150W	luminaire	\$72.76
(38)	0811071	EA	LUMINAIRE, ROADWAY, MSC, IES III, HPS, AUGO, 250W	luminaire	\$85.21
(39)	0811067	EA	LUMINAIRE, ROADWAY, MSC, IES III, HPS, AUGO, 250W	luminaire	\$77.50
(40)	0811065	EA	LUMINAIRE, ROADWAY, MSC, IES III, HPS, NPF REA, 100W	luminaire	\$68.32
(41)	0810168	EA	LUMINAIRE, ROADWAY, MSC, IES III, HPS, NPF REA, 70W	luminaire	\$69.18
(42)	n/a	EA	LUMINAIRE, ROADWAY, MSC, IES III, LED, 140W	luminaire	\$185.50
(43)	n/a	EA	LUMINAIRE, ROADWAY, MSC, IES III, LED, 275W	luminaire	\$388.80
(44)	0811083	EA	LUMINAIRE, UNDERPASS, 250W, HPS, 120V	luminaire	\$344.00
(45)	2507400	EA	LUMINAIRE, ROADWAY, MSC, IES III 400W, HPS, AUTO REG	luminaire	\$101.27
(46)	9201842	EA	POLE, DÉCOR. VILLAGER, ALUM, ANCHOR BASE W/ ATTACHED T-	pole	\$685.77
(47)	5106587	EA	POLE, LIGHT, FBRGL, 24FT, 5IN X 5IN SQ SFT	pole	\$455.74
(48)	5100004	EA	POLE, LT, FBRGL, AHR BASE, PENDANT, 25FT MOUNTING	pole	\$674.49
(49)	5970305	EA	POLE, PWR, DISTR, 30FT, CL5, SYP, PENTA FINISH	pole	\$127.54
(50)	5104882	EA	POLE, ST LT, 14FT LG, ALUM, BLACK, WASHINGTON STYLE	pole	\$1,214.00
(51)	5821834	EA	POLE, ST LT, ALUM, 35FT, PENDANT, ANCHOR BASE, PENDANT	pole	\$885.00
(52)	5100003	EA	POLE, ST LT, FBRGL, 14FT, BLACK	pole	\$259.00
(53)	3503013	EA	ROD, GROUND, SOLID, CU BONDED STL, 5/8IN X 8FT	rod	\$9.94
(54)	9202616	FT	WIRE, 1/C, #10 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, GREEN	wire	\$0.29
(55)	9202613	FT	WIRE, 1/C, #6 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, GREEN	wire	\$0.47
(56)	9202617	FT	WIRE, 2/C, #10 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, BLK-W	wire	\$0.38
(57)	4005142	FT	WIRE, GENERAL PURPOSE, CU, XHHW, 1C/NO. 10, WHITE, 500FT	wire	\$0.22
(58)	5821440	EA	LUMINAIRE, HORIZ CO IES 3 REA 50W 120V	luminaire	

The Narragansett Electric Company
Replacement Cost Study

Installed 4,000 Lumen (50W)
High Pressure Sodium Vapor Decorative Post Top
DEC HPS TR 50W
Rate Class S-06

<u>ID. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Extended Cost</u>
<u>Materials</u>				
(1)	0811055 CONTROL, PELEC, 120VAC, 1000W, GRAY, TWISTLOCK	1	\$2.93	\$2.93
(2)	5824615 LAMP, HPS, NON-CYCLING, 50W, MOGUL SCREW BASE, CLEAR	1	\$6.80	\$6.80
(3)	5821461 LUMINAIRE, POST TOP, SEMI-CUTOFF III, SEMI-GLOSS BLK,	1	\$158.17	\$158.17
(4)	9202613 WIRE, 1/C, #6 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, GREEN	25	\$0.47	\$11.75
(5)	9202617 WIRE, 2/C, #10 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, BLK-W	21	\$0.38	\$7.94
(6)	Total Materials			<u>\$187.59</u>
(7)			Sales Tax @ 7%	\$13.13
<u>Material Overheads</u>				
(8)	Stores Handling	\$187.59	23.25%	\$43.61
(9)	Total Materials and Material Overheads			<u>\$244.33</u>
<u>Installation</u>				
(10)	Labor & Equipment			<u>\$403.68</u>
(11)	Total Material and Labor			\$648.01
(12)	Capital O & H	\$528.91	13.00%	<u>\$68.76</u>
(13)	PLANT ADDITION			<u><u>\$716.77</u></u>

The Narragansett Electric Company
Replacement Cost Study

Installed 9,600 Lumen (100W)
High Pressure Sodium Vapor Decorative Post Top
DEC HPS TR 100W
Rate Class S-06

<u>ID. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Extended Cost</u>
<u>Materials</u>				
(1)	0811055 CONTROL, PELEC, 120VAC, 1000W, GRAY, TWISTLOCK	1	\$2.93	\$2.93
(2)	2508100 LAMP, HPS, NON-CYCLING, 100W, CLEAR, MOGUL BASE	1	\$6.80	\$6.80
(3)	0811079 LUMINAIRE, POST TOP, TRADITIONAL, 100W, HPS, REAC BLST	1	\$159.25	\$159.25
(4)	9202613 WIRE, 1/C, #6 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, GREEN	25	\$0.47	\$11.75
(5)	9202617 WIRE, 2/C, #10 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, BLK-W	21	\$0.38	\$7.94
(6)	Total Materials			<u>\$188.67</u>
(7)			Sales Tax @ 7%	\$13.21
<u>Material Overheads</u>				
(8)	Stores Handling	\$188.67	23.25%	\$43.87
(9)	Total Materials and Material Overheads			<u>\$245.75</u>
<u>Installation</u>				
(10)	Labor & Equipment			<u>\$403.68</u>
(11)	Total Material and Labor			\$649.43
(12)	Capital O & H	\$530.33	13.00%	\$68.94
(13)	PLANT ADDITION			<u><u>\$718.37</u></u>

The Narragansett Electric Company
Replacement Cost Study

Installed 4,000 Lumen (50W)
High Pressure Sodium Vapor Decorative Post Top
DEC HPS AG 50W
Rate Class S-06

<u>ID. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Extended Cost</u>
<u>Materials</u>				
(1)	0811055 CONTROL, PELEC, 120VAC, 1000W, GRAY, TWISTLOCK	1	\$2.93	\$2.93
(2)	5824615 LAMP, HPS, NON-CYCLING, 50W, MOGUL SCREW BASE, CLEAR	1	\$6.80	\$6.80
(3)	9202342 LUMINAIRE, POST TOP, ASPEN GROVE, 50W HPS, 120V, BLACK	1	\$485.00	\$485.00
(4)	9202613 WIRE, 1/C, #6 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, GREEN	25	\$0.47	\$11.75
(5)	9202617 WIRE, 2/C, #10 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, BLK-W	21	\$0.38	\$7.94
(6)	Total Materials			<u>\$514.42</u>
(7)			Sales Tax @ 7%	\$36.01
<u>Material Overheads</u>				
(8)	Stores Handling	\$514.42	23.25%	\$119.60
(9)	Total Materials and Material Overheads			<u>\$670.03</u>
<u>Installation</u>				
(10)	Labor & Equipment			<u>\$403.68</u>
(11)	Total Material and Labor			\$1,073.71
(12)	Capital O & H	\$954.61	13.00%	\$124.10
(13)	PLANT ADDITION			<u><u>\$1,197.81</u></u>

The Narragansett Electric Company
Replacement Cost Study

Installed 9,600 Lumen (100W)
High Pressure Sodium Vapor Decorative Post Top
DEC HPS AG 100W
Rate Class S-06

<u>ID. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Extended Cost</u>
<u>Materials</u>				
(1)	0811055 CONTROL, PELEC, 120VAC, 1000W, GRAY, TWISTLOCK	1	\$2.93	\$2.93
(2)	2508100 LAMP, HPS, NON-CYCLING, 100W, CLEAR, MOGUL BASE	1	\$6.80	\$6.80
(3)	2507081 LUMINAIRE, POST TOP, IES III, BLK, HPS, REG, 100W, ASPE	1	\$447.00	\$447.00
(4)	9202613 WIRE, 1/C, #6 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, GREEN	25	\$0.47	\$11.75
(5)	9202617 WIRE, 2/C, #10 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, BLK-W	21	\$0.38	\$7.94
(6)	Total Materials			\$476.42
(7)			Sales Tax @ 7%	\$33.35
<u>Material Overheads</u>				
(8)	Stores Handling	\$476.42	23.25%	\$110.77
(9)	Total Materials and Material Overheads			\$620.54
<u>Installation</u>				
(10)	Labor & Equipment			\$403.68
(11)	Total Material and Labor			\$1,024.22
(12)	Capital O & H	\$905.12	13.00%	\$117.67
(13)	PLANT ADDITION			\$1,141.89

The Narragansett Electric Company
Replacement Cost Study

Installed 4,000 Lumen (50W)
High Pressure Sodium Vapor Decorative Post Top
DEC HPS WL 50W
Rate Class S-06

<u>ID. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Extended Cost</u>
<u>Materials</u>				
(1) 0811055	CONTROL, PELEC, 120VAC, 1000W, GRAY, TWISTLOCK	1	\$2.93	\$2.93
(2) 5824615	LAMP, HPS, NON-CYCLING, 50W, MOGUL SCREW BASE, CLEAR	1	\$6.80	\$6.80
(3) 9202343	LUMINAIRE, POST TOP, WILLIAMSVILLE, 50W HPS, 120V, BLAC	1	\$599.00	\$599.00
(4) 9202613	WIRE, 1/C, #6 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, GREEN	25	\$0.47	\$11.75
(5) 9202617	WIRE, 2/C, #10 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, BLK-W	21	\$0.38	\$7.94
(6)	Total Materials			<hr/> \$628.42
(7)			Sales Tax @ 7%	\$43.99
<u>Material Overheads</u>				
(8)	Stores Handling	\$628.42	23.25%	\$146.11
(9)	Total Materials and Material Overheads			<hr/> \$818.52
<u>Installation</u>				
(10)	Labor & Equipment			<hr/> \$403.68
(11)	Total Material and Labor			\$1,222.20
(12)	Capital O & H	\$1,103.10	13.00%	\$143.40
(13)	PLANT ADDITION			<hr/> \$1,365.60

The Narragansett Electric Company
Replacement Cost Study

Installed 9,600 Lumen (100W)
High Pressure Sodium Vapor Decorative Post Top
DEC HPS WL 100W
Rate Class S-06

<u>ID. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Extended Cost</u>
<u>Materials</u>				
(1)	0811055 CONTROL, PELEC, 120VAC, 1000W, GRAY, TWISTLOCK	1	\$2.93	\$2.93
(2)	2508100 LAMP, HPS, NON-CYCLING, 100W, CLEAR, MOGUL BASE	1	\$6.80	\$6.80
(3)	0810946 LUMINAIRE, POST TOP, 100W HPS, WILLIAMSVILLE, REG BLST	1	\$614.00	\$614.00
(4)	9202613 WIRE, 1/C, #6 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, GREEN	25	\$0.47	\$11.75
(5)	9202617 WIRE, 2/C, #10 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, BLK-W	21	\$0.38	\$7.94
(6)	Total Materials			<u>\$643.42</u>
(7)			Sales Tax @ 7%	\$45.04
<u>Material Overheads</u>				
(8)	Stores Handling	\$643.42	23.25%	\$149.60
(9)	Total Materials and Material Overheads			<u>\$838.06</u>
<u>Installation</u>				
(10)	Labor & Equipment			<u>\$403.68</u>
(11)	Total Material and Labor			\$1,241.74
(12)	Capital O & H	\$1,122.64	13.00%	\$145.94
(13)	PLANT ADDITION			<u>\$1,387.68</u>

The Narragansett Electric Company
Replacement Cost Study

Installed 4,000 Lumen (50W)
High Pressure Sodium Vapor Decorative Post Top - Twin
DEC HPS TR-TW 50W
Rate Class S-06

<u>ID. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Extended Cost</u>
<u>Materials</u>				
(1)	5105296 ARM, TWIN, AL, 30 IN, POST TOP LUMINAIRE, BLACK	1	\$388.05	\$388.05
(2)	5105197 CONNECTOR, ST LIGHT, #14 AWG TO #2 AWG, AL OR CU	1	\$11.30	\$11.30
(3)	0811055 CONTROL, PELEC, 120VAC, 1000W, GRAY, TWISTLOCK	2	\$2.93	\$5.86
(4)	5105198 HOLDER, FUSE, ST LIGHT, #6- #2 AWG, COND	1	\$5.12	\$5.12
(5)	5824615 LAMP, HPS, NON-CYCLING, 50W, MOGUL SCREW BASE, CLEAR	2	\$6.80	\$13.60
(6)	5821461 LUMINAIRE, POST TOP, SEMI-CUTOFF III, SEMI-GLOSS BLK,	2	\$158.17	\$316.34
(7)	9202617 WIRE, 2/C, #10 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, BLK-W	32	\$0.38	\$12.12
(8)	Total Materials			\$752.39
(9)			Sales Tax @ 7%	\$52.67
<u>Material Overheads</u>				
(10)	Stores Handling	\$752.39	23.25%	\$174.93
(11)	Total Materials and Material Overheads			\$979.99
 <u>Installation</u>				
(12)	Labor & Equipment			\$792.48
(13)	Total Material and Labor			\$1,772.47
(14)	Capital O & H	\$1,534.28	13.00%	\$199.46
(15)	PLANT ADDITION			\$1,971.93

The Narragansett Electric Company
Replacement Cost Study

Installed 9,600 Lumen (100W)
High Pressure Sodium Vapor Decorative Post Top - Twin
DEC HPS TR-TW 100W
Rate Class S-06

<u>ID. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Extended Cost</u>
<u>Materials</u>				
(1)	5105296 ARM, TWIN, AL, 30 IN, POST TOP LUMINAIRE, BLACK	1	\$388.05	\$388.05
(2)	5105197 CONNECTOR, ST LIGHT, #14 AWG TO #2 AWG, AL OR CU	1	\$11.30	\$11.30
(3)	0811055 CONTROL, PELEC, 120VAC, 1000W, GRAY, TWISTLOCK	2	\$2.93	\$5.86
(4)	5105198 HOLDER, FUSE, ST LIGHT, #6- #2 AWG, COND	1	\$5.12	\$5.12
(5)	2508100 LAMP, HPS, NON-CYCLING, 100W, CLEAR, MOGUL BASE	2	\$6.80	\$13.60
(6)	0811079 LUMINAIRE, POST TOP, TRADITIONAL, 100W, HPS, REAC BLST	2	\$159.25	\$318.50
(7)	9202617 WIRE, 2/C, #10 AWG, 7-STRD, SD-CU, RHH/RHW/USE-2, BLK-W	32	\$0.38	\$12.12
(8)	Total Materials			\$754.55
(9)			Sales Tax @ 7%	\$52.82
<u>Material Overheads</u>				
(10)	Stores Handling	\$754.55	23.25%	\$175.43
(11)	Total Materials and Material Overheads			\$982.80
 <u>Installation</u>				
(12)	Labor & Equipment			\$792.48
(13)	Total Material and Labor			\$1,775.28
(14)	Capital O & H	\$1,537.09	13.00%	\$199.82
(15)	PLANT ADDITION			\$1,975.10

The Narragansett Electric Company
Replacement Cost Study

Installed 4,000 Lumen (50W)
High Pressure Sodium Vapor Decorative Post Top - Twin
DEC HPS AG-TW 50W
Rate Class S-06

<u>ID. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Extended Cost</u>
<u>Materials</u>				
(1)	5105296 Arm, Twin, Al, 30 In, Post Top Luminaire, Black	1	\$388.05	\$388.05
(2)	5105197 Connector, St Light, #14 Awg To #2 Awg, Al Or Cu	1	\$11.30	\$11.30
(3)	0811055 Control, Pelec, 120Vac, 1000W, Gray, Twistlock	2	\$2.93	\$5.86
(4)	5105198 Holder, Fuse, St Light, #6- #2 Awg, Cond	1	\$5.12	\$5.12
(5)	5824615 Lamp, Hps, Non-Cycling, 50W, Mogul Screw Base, Clear	2	\$6.80	\$13.60
(6)	9202342 Luminaire, Post Top, Aspen Grove, 50W Hps, 120V, Black	2	\$485.00	\$970.00
(7)	9202617 Wire, 2/C, #10 Awg, 7-Strd, Sd-Cu, Rhh/Rhw/Use-2, Blk-W	32	\$0.38	\$12.12
(8)	Total Materials			\$1,406.05
(9)			Sales Tax @ 7%	\$98.42
<u>Material Overheads</u>				
(10)	Stores Handling	\$1,406.05	23.25%	\$326.91
(11)	Total Materials and Material Overheads			\$1,831.38
<u>Installation</u>				
(12)	Labor & Equipment			\$792.48
(13)	Total Material and Labor			\$2,623.87
(14)	Capital O & H	\$2,385.67	13.00%	\$310.14
(15)	PLANT ADDITION			\$2,934.01

The Narragansett Electric Company
Replacement Cost Study

Installed 9,600 Lumen (100W)
High Pressure Sodium Vapor Decorative Post Top - Twin
DEC HPS AG-TW 100W

Rate Class S-06

<u>ID. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Extended Cost</u>
<u>Materials</u>				
(1) 5105296	Arm, Twin, Al, 30 In, Post Top Luminaire, Black	1	\$388.05	\$388.05
(2) 5105197	Connector, St Light, #14 Awg To #2 Awg, Al Or Cu	1	\$11.30	\$11.30
(3) 0811055	Control, Pelec, 120Vac, 1000W, Gray, Twistlock	2	\$2.93	\$5.86
(4) 5105198	Holder, Fuse, St Light, #6- #2 Awg, Cond	1	\$5.12	\$5.12
(5) 2508100	Lamp, Hps, Non-Cycling, 100W, Clear, Mogul Base	2	\$6.80	\$13.60
(6) 2507081	Luminaire, Post Top, Ies Iii, Blk, Hps, Reg, 100W, Aspe	2	\$447.00	\$894.00
(7) 9202617	Wire, 2/C, #10 Awg, 7-Strd, Sd-Cu, Rhh/Rhw/Use-2, Blk-W	32	\$0.38	\$12.12
(8)	Total Materials			\$1,330.05
(9)			Sales Tax @ 7%	\$93.10
<u>Material Overheads</u>				
(10)	Stores Handling	\$1,330.05	23.25%	\$309.24
(11)	Total Materials and Material Overheads			\$1,732.39
 <u>Installation</u>				
(12)	Labor & Equipment			\$792.48
(13)	Total Material and Labor			\$2,524.88
(14)	Capital O & H	\$2,286.68	13.00%	\$297.27
(15)	PLANT ADDITION			\$2,822.15

The Narragansett Electric Company
Replacement Cost Study

Installed 4,000 Lumen (50W)
High Pressure Sodium Vapor Decorative Post Top - Twin

DEC HPS WL-TW 50W
Rate Class S-06

<u>ID. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Extended Cost</u>
<u>Materials</u>				
(1) 5105296	Arm, Twin, Al, 30 In, Post Top Luminaire, Black	1	\$388.05	\$388.05
(2) 5105197	Connector, St Light, #14 Awg To #2 Awg, Al Or Cu	1	\$11.30	\$11.30
(3) 0811055	Control, Pelec, 120Vac, 1000W, Gray, Twistlock	2	\$2.93	\$5.86
(4) 5105198	Holder, Fuse, St Light, #6- #2 Awg, Cond	1	\$5.12	\$5.12
(5) 5824615	Lamp, Hps, Non-Cycling, 50W, Mogul Screw Base, Clear	2	\$6.80	\$13.60
(6) 9202343	Luminaire, Post Top, Williamsville, 50W Hps, 120V, Blac	2	\$599.00	\$1,198.00
(7) 9202617	Wire, 2/C, #10 Awg, 7-Strd, Sd-Cu, Rhh/Rhw/Use-2, Blk-W	32	\$0.38	\$12.12
(8)	Total Materials			\$1,634.05
(9)			Sales Tax @ 7%	\$114.38
<u>Material Overheads</u>				
(10)	Stores Handling	\$1,634.05	23.25%	\$379.92
(11)	Total Materials and Material Overheads			\$2,128.35
 <u>Installation</u>				
(12)	Labor & Equipment			\$792.48
(13)	Total Material and Labor			\$2,920.84
(14)	Capital O & H	\$2,682.64	13.00%	\$348.74
(15)	PLANT ADDITION			\$3,269.58

The Narragansett Electric Company
Replacement Cost Study

Installed 9,600 Lumen (100W)
High Pressure Sodium Vapor Decorative Post Top - Twin

DEC HPS WL0-TW 100W
Rate Class S-06

<u>ID. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Extended Cost</u>
<u>Materials</u>				
(1)	5105296 Arm, Twin, Al, 30 In, Post Top Luminaire, Black	1	\$388.05	\$388.05
(2)	5105197 Connector, St Light, #14 Awg To #2 Awg, Al Or Cu	1	\$11.30	\$11.30
(3)	0811055 Control, Pelec, 120Vac, 1000W, Gray, Twistlock	2	\$2.93	\$5.86
(4)	5105198 Holder, Fuse, St Light, #6- #2 Awg, Cond	1	\$5.12	\$5.12
(5)	2508100 Lamp, Hps, Non-Cycling, 100W, Clear, Mogul Base	2	\$6.80	\$13.60
(6)	0810946 Luminaire, Post Top, 100W Hps, Williamsville, Reg Blst	2	\$614.00	\$1,228.00
(7)	9202617 Wire, 2/C, #10 Awg, 7-Strd, Sd-Cu, Rhh/Rhw/Use-2, Blk-W	32	\$0.38	\$12.12
(8)	Total Materials			<hr/> \$1,664.05
(9)			Sales Tax @ 7%	\$116.48
<u>Material Overheads</u>				
(10)	Stores Handling	\$1,664.05	23.25%	\$386.89
(11)	Total Materials and Material Overheads			<hr/> \$2,167.42
<u>Installation</u>				
(12)	Labor & Equipment			<hr/> \$792.48
(13)	Total Material and Labor			\$2,959.91
(14)	Capital O & H	\$2,721.71	13.00%	\$353.82
(15)	PLANT ADDITION			<hr/> \$3,313.73

The Narragansett Electric Company
Replacement Cost Study
Outdoor Lighting Overhead Poles and Underground Standards

Installed Standard
Underground Service Decorative Standard
DEC VILL PT/FDN
Rate Class S-06

<u>ID. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Extended Cost</u>
<u>Materials</u>				
(1)	9201842 Pole, Décor. Villager, Alum, Anchor Base W/ Attached T-	1	\$685.77	\$685.77
(2)	9202617 Wire, 2/C, #10 Awg, 7-Strd, Sd-Cu, Rhh/Rhw/Use-2, Blk-W	21	\$0.38	\$7.94
(3)	3503328 Clamp, Ground Rod, Cu, For 5/8In. Dia Ground Rod	1	\$1.11	\$1.11
(4)	5821035 Foundation, Ltg, 24In X 24 In X 5Ft, 11 1/2In Bc, Prcst	1	\$389.96	\$389.96
(5)	3503013 Rod, Ground, Solid, Cu Bonded Stl, 5/8In X 8Ft	1	\$9.94	\$9.94
(6)	9202617 Wire, 2/C, #10 Awg, 7-Strd, Sd-Cu, Rhh/Rhw/Use-2, Blk-W	21	\$0.38	\$7.98
(7)	4005142 Wire, General Purpose, Cu, Xhhw, 1C/No. 10, White, 500Ft	18	\$0.22	\$3.96
(8)	9202616 Wire, 1/C, #10 Awg, 7-Strd, Sd-Cu,Rhh/Rhw/Use-2, Green	21	\$0.29	\$6.09
(9)	9202613 Wire, 1/C, #6 Awg, 7-Strd, Sd-Cu, Rhh/Rhw/Use-2, Green	10	\$0.47	\$4.70
(10)	Total Materials			\$1,117.45
(11)			Sales Tax @ 7%	\$78.22
<u>Material Overheads</u>				
(12)	Stores Handling	\$1,117.45	23.25%	\$259.81
(13)	Total Materials and Material Overheads			<u>\$1,455.48</u>
<u>Installation</u>				
(14)	Labor	3.38	\$64.07	\$216.56
(15)	Labor Overheads	\$216.56	112.17%	\$242.92
(16)	Transportation	3.38	\$10.22	\$34.55
(17)	Crew Protection	3.38	\$59.51	\$201.16
(18)	Total Labor and Equipment			<u>\$695.19</u>
(19)	Total Material and Labor			<u>\$2,150.67</u>
(20)	Capital O & H	\$2,009.77	13.00%	\$261.27
(21)	PLANT ADDITION			<u>\$2,411.94</u>

The Narragansett Electric Company
Replacement Cost Study
Outdoor Lighting Overhead Poles and Underground Standards

Installed Standard
Underground Service Decorative Standard
DEC WASH PT/FDN
Rate Class S-06

<u>ID. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Extended Cost</u>
<u>Materials</u>				
(1) 5104882	Pole, St Lt, 14Ft Lg, Alum, Black, Washington Style	1	\$1,214.00	\$1,214.00
(2) 9202617	Wire, 2/C, #10 Awg, 7-Strd, Sd-Cu, Rhh/Rhw/Use-2, Blk-W	20.9	\$0.38	\$7.94
(3) 3503328	Clamp, Ground Rod, Cu, For 5/8In. Dia Ground Rod	1	\$1.11	\$1.11
(4) 5821035	Foundation, Ltg, 24In X 24 In X 5Ft, 11 1/2In Bc, Prcst	1	\$389.96	\$389.96
(5) 3503013	Rod, Ground, Solid, Cu Bonded Stl, 5/8In X 8Ft	1	\$9.94	\$9.94
(6) 9202617	Wire, 2/C, #10 Awg, 7-Strd, Sd-Cu, Rhh/Rhw/Use-2, Blk-W	21	\$0.38	\$7.98
(7) 4005142	Wire, General Purpose, Cu, Xhhw, 1C/No. 10, White, 500Ft	18	\$0.22	\$3.96
(8) 9202616	Wire, 1/C, #10 Awg, 7-Strd, Sd-Cu,Rhh/Rhw/Use-2, Green	21	\$0.29	\$6.09
(9) 9202613	Wire, 1/C, #6 Awg, 7-Strd, Sd-Cu, Rhh/Rhw/Use-2, Green	10	\$0.47	\$4.70
(10)	Total Materials			\$1,645.68
(11)			Sales Tax @ 7%	\$115.20
<u>Material Overheads</u>				
(12)	Stores Handling	\$1,645.68	23.25%	\$382.62
(13)	Total Materials and Material Overheads			\$2,143.50
<u>Installation</u>				
(14)	Labor	3.38	\$64.07	\$216.56
(15)	Labor Overheads	\$216.56	112.17%	\$242.92
(16)	Transportation	3.38	\$10.22	\$34.55
(17)	Crew Protection	3.38	\$59.51	\$201.16
(18)	Total Labor and Equipment			\$695.19
(19)	Total Material and Labor			\$2,838.69
(20)	Capital O & H	\$2,697.79	13.00%	\$350.71
(21)	PLANT ADDITION			\$3,189.40

The Narragansett Electric Company
Labor and Equipment Costs

Initial Installation Cost-Single Fixture

Subject to

Labor

(1) Labor - Hourly Rate	\$64.16		
(2) Installation & Travel Time (Minutes)	135		
(3) Total Direct Labor		\$144.36	\$144.36
(4) Design and Supervision	29.67%	\$42.83	\$42.83
(5) ADD: Overhead Labor Cost	82.50%	<u>\$119.10</u>	
(6) Total Labor		\$306.29	

Equipment

(7) Truck-Aerial 45 ML OC	\$10.22		
(8) Installation & Travel Time (Minutes)	135		
(9) Total Equipment		\$23.00	\$23.00

Work Zone Protection/Police Detail

(10) Work Zone Protection/Police Detail	\$59.51		
(11) Installation & Travel Time (Minutes)	75		
(12) Total Misc		<u>\$74.39</u>	<u>\$74.39</u>
(13) Total Labor & Equipment Cost		<u>\$403.68</u>	<u>\$284.58</u>

Initial Installation Cost-Twin Fixture

Labor

(14) Labor - Hourly Rate	\$64.16		
(15) Installation & Travel Time (Minutes)	270		
(16) Total Direct Labor		\$288.72	\$288.72
(17) Design and Supervision	29.67%	\$85.66	\$85.66
(18) ADD: Overhead Labor Cost	82.50%	<u>\$238.19</u>	
(19) Total Labor		\$612.58	

Equipment

(20) Truck-Aerial 45 ML OC	\$10.22		
(21) Installation & Travel Time (Minutes)	270		
(22) Total Equipment		\$46.00	\$46.00

Work Zone Protection/Police Detail

(23) Work Zone Protection/Police Detail	\$59.51		
(24) Installation & Travel Time (Minutes)	135		
(25) Total Misc		<u>\$133.91</u>	<u>\$133.91</u>
(26) Total Labor & Equipment Cost		<u>\$792.48</u>	<u>\$554.29</u>

Lamp/Photo Cell Replacement

Labor

(27) Labor - Hourly Rate	\$64.16		
(28) Installation & Travel Time (Minutes)	45		
(29) Total Direct Labor		\$48.12	
(30) ADD: Overhead Labor Cost	82.50%	<u>\$39.70</u>	
(31) Total Labor		\$87.82	

Equipment

(32) Truck-Aerial 45 ML OC	\$10.22		
(33) Installation & Travel Time (Minutes)	45		
(34) Total Equipment		<u>\$7.67</u>	

(35) Total Labor & Equipment Cost		<u>\$95.49</u>	
-----------------------------------	--	----------------	--

The Narragansett Electric Company
20 Watt LED Roadway Installed Cost

Tariff Code Description

Roadway luminaire, 20 watt, Light Emitting Diode

	<u>Material Cost</u>	<u>Overhead Percentage</u>	<u>Qty</u>	<u>Unit Price</u>	<u>Total Price</u>
	(a)	(b)	(c)	(d)	(e)
(1) Description					
(2) Roadway Luminaire w/ LED Lamp			1	\$103.88	\$103.88
(3) Photoelectric Control			1	\$12.50	\$12.50
(4) Bracket			1	\$65.00	\$65.00
(5) Wire (Luminaire, 4-#10, 18')			1	\$1.15	\$1.15
(6) Sub-Total Material					\$182.53
(7) Sales Tax				Sales Tax @ 7%	\$12.78
<u>Material Overhead</u>					
(8) Stores Handling			\$182.53	23.25%	\$42.44
(9) Total Material and Overhead					\$237.75
<u>Installation</u>					
(10) Labor & Equipment					\$439.02
(11) Total Material and Labor					\$676.76
(12) Plant Overhead			\$522.33	13.00%	\$67.90
(13) Total Plant Addition					\$744.66

The Narragansett Electric Company
30 Watt LED Roadway Installed Cost

Tariff Code Description

Roadway luminaire, 30 watt, Light Emitting Diode

<u>Material Cost</u>	<u>Overhead</u> <u>Percentage</u>	<u>Qty</u>	<u>Unit Price</u>	<u>Total Price</u>
	(b)	(c)	(d)	(e)
(1) Description				
(2) Roadway Luminaire w/ LED Lamp		1	\$103.88	\$103.88
(3) Photoelectric Control		1	\$12.50	\$12.50
(4) Bracket		1	\$65.00	\$65.00
(5) Wire (Luminaire, 4-#10, 18')		1	\$1.15	<u>\$1.15</u>
(6) Sub-Total Material				\$182.53
(7) Sales Tax			Sales Tax @ 7%	\$12.78
<u>Material Overhead</u>				
(8) Stores Handling		\$182.53	23.25%	<u>\$42.44</u>
(9) Total Material and Overhead				\$237.75
<u>Crew Cost</u>				
(10) Labor & Equipment				<u>\$439.02</u>
(11) Total Material and Labor				\$676.76
(12) Plant Overhead		\$522.33	13.00%	<u>\$67.90</u>
(13) Total Plant Addition				\$744.66

The Narragansett Electric Company
60 Watt LED Roadway Installed Cost

Tariff Style Description

Roadway luminaire, 60 watt, Light Emitting Diode

<u>Material Cost</u>	<u>Overhead</u> <u>Percentage</u> (b)	<u>Qty</u> (c)	<u>Unit Price</u> (d)	<u>Total Price</u> (e)
(1) Description				
(2) Roadway Luminaire w/ LED Lamp		1	\$114.48	\$114.48
(3) Photoelectric Control		1	\$12.50	\$12.50
(4) Bracket		1	\$65.00	\$65.00
(5) Wire (Luminaire, 4-#10, 18')		1	\$1.15	<u>\$1.15</u>
(6) Sub-Total Material				\$193.13
(7) Sales Tax			Sales Tax @ 7%	\$13.52
<u>Material Overhead</u>				
(8) Stores Handling		\$193.13	23.25%	<u>\$44.90</u>
(9) Total Material and Overhead				\$251.55
<u>Crew Cost</u>				
(10) Labor & Equipment				<u>\$439.02</u>
(11) Total Material and Labor				\$690.57
(12) Plant Overhead		\$536.14	13.00%	<u>\$69.70</u>
(13) Total Plant Addition				\$760.27

The Narragansett Electric Company
140 Watt LED Roadway Installed Cost

Tariff Style Description

Roadway luminaire, 140 watt, Light Emitting Diode

<u>Material Cost</u>	<u>Overhead</u> <u>Percentage</u> (b)	<u>Qty</u> (c)	<u>Unit Price</u> (d)	<u>Total Price</u> (e)
(1) Description				
(2) Roadway Luminaire w/ LED Lamp		1	\$185.50	\$185.50
(3) Photoelectric Control		1	\$12.50	\$12.50
(4) Bracket		1	\$90.00	\$90.00
(5) Wire (Luminaire, 4-#10, 18')		1	\$1.15	<u>\$1.15</u>
(6) Sub-Total Material				\$289.15
(7) Sales Tax			Sales Tax @ 7%	\$20.24
<u>Material Overhead</u>				
(8) Stores Handling		\$289.15	23.25%	<u>\$67.23</u>
(9) Total Material and Overhead				\$376.62
<u>Crew Cost</u>				
(10) Labor & Equipment				<u>\$439.02</u>
(11) Total Material and Labor				\$815.63
(12) Plant Overhead		\$661.20	13.00%	<u>\$85.96</u>
(13) Total Plant Addition				\$901.59

The Narragansett Electric Company
275 Watt LED Roadway Installed Cost

Tariff Style Description

Roadway luminaire, 275 watt, Light Emitting Diode

<u>Material Cost</u>	<u>Overhead</u> <u>Percentage</u> (b)	<u>Qty</u> (c)	<u>Unit Price</u> (d)	<u>Total Price</u> (e)
(1) Description				
(2) Roadway Luminaire w/ LED Lamp		1	\$388.80	\$388.80
(3) Photoelectric Control		1	\$12.50	\$12.50
(4) Bracket		1	\$90.00	\$90.00
(5) Wire (Luminaire, 4-#10, 18')		1	\$1.15	\$1.15
(6) Sub-Total Material				\$492.45
(7) Sales Tax			Sales Tax @ 7%	\$34.47
<u>Material Overhead</u>				
(8) Stores Handling		\$492.45	23.25%	<u>\$114.49</u>
(9) Total Material and Overhead				\$641.42
<u>Crew Cost</u>				
(10) Labor & Equipment				<u>\$439.02</u>
(11) Total Material and Labor				\$1,080.43
(12) Plant Overhead		\$926.00	13.00%	<u>\$120.38</u>
(13) Total Plant Addition				\$1,200.81

The Narragansett Electric Company
Post Top luminaire, 60 watt, Light Emitting Diode Installed Cost

Tariff Luminaire Style

Tariff Style Description

Post Top luminaire, 60 watt, Light Emitting Diode

<u>Material Cost</u>	<u>Overhead Percentage</u>	<u>Qty</u>	<u>Unit Price</u>	<u>Total Price</u>
	(b)	(c)	(d)	(e)
(1) Description				
(2) Post Top Luminaire w/ LED Lamp		1	\$452.50	\$452.50
(3) Photoelectric Control		1	\$12.50	\$12.50
(4) Bracket		1	\$0.00	\$0.00
(5) Wire (Luminaire, 4-#10, 18')		1	\$1.15	<u>\$1.15</u>
(6) Sub-Total Material				\$466.15
(7) Sales Tax			Sales Tax @ 7%	\$32.63
<u>Material Overhead</u>				
(8) Stores Handling		\$466.15	23.25%	<u>\$108.38</u>
(9) Total Material and Overhead				<u>\$607.16</u>
<u>Crew Cost</u>				
(10) Labor & Equipment				<u>\$439.02</u>
(11) Total Material and Labor				\$1,046.18
(12) Plant Overhead		\$891.74	13.00%	<u>\$115.93</u>
(13) Total Plant Addition				\$1,162.10

The Narragansett Electric Company
Twin Post Top luminaire, 60 watt, Light Emitting Diode Installed Cost

Tariff Style Description

Twin Post Top luminaire, 60 watt, Light Emitting Diode - Traditional style

<u>Material Cost</u>	<u>Overhead</u> <u>Percentage</u>	<u>Qty</u>	<u>Unit Price</u>	<u>Total Price</u>
	(b)	(c)	(d)	(e)
(1) Description				
(2) Post Top Luminaire w/ LED Lamp		2	\$452.50	\$905.00
(3) Photoelectric Control		2	\$12.50	\$25.00
(4) Cross-Arm		1	\$412.33	\$412.33
(5) Wire (Luminaire, 4-#10, 18')		2	\$1.15	<u>\$2.30</u>
(6) Sub-Total Material				\$1,344.63
(7) Sales Tax			Sales Tax @ 7%	\$94.12
<u>Material Overhead</u>				
(8) Stores Handling		\$1,344.63	23.25%	<u>\$312.63</u>
(9) Total Material and Overhead				\$1,751.38
<u>Crew Cost</u>				
(10) Labor & Equipment				<u>\$863.15</u>
(11) Total Material and Labor				\$2,614.53
(12) Plant Overhead		\$2,305.67	13.00%	<u>\$66.08</u>
(13) Total Plant Addition				\$2,680.61

The Narragansett Electric Company
Labor and Equipment

Initial Installation Cost-Single Fixture

<u>Labor</u>			<u>Subject to Plant Overheads</u>
(1) Labor - Hourly Rate	\$64.16		
(2) Installation & Travel Time (Minutes)	135		
(3) Total Direct Labor		\$144.36	\$144.36
(4) Design and Supervision	29.67%	\$42.83	\$42.83
(5) ADD: Overhead Labor Cost	82.50%	<u>\$154.43</u>	
(6) Total Labor		\$341.62	
<u>Equipment</u>			
(7) Truck-Aerial 45 ML OC	\$10.22		
(8) Installation & Travel Time (Minutes)	135		
(9) Total Equipment		\$23.00	\$23.00
<u>Miscellaneous</u>			
(10) Work Zone Protection/Police Detail	\$59.51		
(11) Installation & Travel Time (Minutes)	75		
(12) Total Misc		<u>\$74.39</u>	\$74.39
(13) Total Labor & Equipment Cost		<u>\$439.02</u>	<u>\$284.58</u>

Initial Installation Cost-Twin Fixture

<u>Labor</u>			
(14) Labor - Hourly Rate	\$64.16		
(15) Installation & Travel Time (Minutes)	270		
(16) Total Direct Labor		\$288.72	\$288.72
(17) Design and Supervision	29.67%	\$85.66	\$85.66
(18) ADD: Overhead Labor Cost	82.50%	<u>\$308.87</u>	
(19) Total Labor		\$683.25	
<u>Equipment</u>			
(20) Truck-Aerial 45 ML OC	\$10.22		
(21) Installation & Travel Time (Minutes)	270		
(22) Total Equipment		\$46.00	\$46.00
<u>Miscellaneous</u>			
(23) Work Zone Protection/Police Detail	\$59.51		
(24) Installation & Travel Time (Minutes)	135		
(25) Total Misc		<u>\$133.91</u>	\$133.91
(26) Total Labor & Equipment Cost		<u>\$863.15</u>	<u>\$554.29</u>

Compliance Attachment 12

Narragansett Electric Development of Rates
Associated With Various Recovery Mechanisms

The Narragansett Electric Company
Present and Proposed Rates for Bill Impacts

Rate A-16 (Basic Residential)

	Present Rates @ 11/1/17 (a)	Proposed Rate (b)
(1) LIHEAP Enhancement Charge	\$0.81	\$0.81
(2)		
(3) Base Distribution Customer Charge	\$5.00	\$6.00
(4)		
(5) Renewable Energy Growth Charge	\$0.78	\$0.79
(6)		
(7) Base Distribution Energy (per kWh)	\$0.03664	\$0.04298
(8)		
(9) Operating & Maintenance Expense Charge	\$0.00163	\$0.00163
(10)		
(11) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)
(12)		
(13) FY18 CapEx Factor Charge	\$0.00288	\$0.00000
(14)		
(15) CapEx Reconciliation Factor	(\$0.00135)	(\$0.00135)
(16)		
(17) Proposed Low Income Discount Recovery Factor	\$0.00000	\$0.00152
(18)		
(19) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118
(20)		
(21) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)
(22)		
(23) Storm Fund Replenishment Factor	\$0.00288	\$0.00288
(24)		
(25) Long-term Contracting for Renewable Energy Charge	\$0.00664	\$0.00665
(26)		
(27) Net Metering Charge	\$0.00023	\$0.00023
(28)		
(29) Base Transmission Charge and Adjustment Factor	\$0.03140	\$0.03140
(30)		
(31) Transmission Uncollectible Factor	\$0.00039	\$0.00040
(32)		
(33) Total Transition Charge	\$0.00057	\$0.00057
(34)		
(35) Energy Efficiency Program Charge	\$0.01154	\$0.01154
(36)		
(37) Standard Offer Service Base Charge	\$0.09792	\$0.09792
(38)		
(39) SOS Adjustment Factor	(\$0.00465)	(\$0.00465)
(40)		
(41) SOS Administrative Cost Adjustment Factor	\$0.00148	\$0.00151
(42)		
(43) Renewable Energy Standard Charge	\$0.00040	\$0.00040
(44)		
(45)		
(46) Customer Charge	\$5.00	\$6.00
(47) RE Growth Factor	\$0.78	\$0.79
(48) LIHEAP Charge	\$0.81	\$0.81
(49) Transmission Energy Charge	\$0.03179	\$0.03180
(50) Base Distribution Energy (per kWh)	\$0.03664	\$0.04298
(51) Other Distribution Energy Charge	\$0.00636	\$0.00500
(52) Transition Energy Charge	\$0.00057	\$0.00057
(53) Energy Efficiency Program Charge	\$0.01154	\$0.01154
(54) Renewable Energy Distribution Charge	\$0.00687	\$0.00688
(55) Standard Offer Charge	\$0.09515	\$0.09518

Column (a): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096

Column (b):

Lines (1, 9, 11, 15, 19, 21, 23, 27, 29, 33) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095

Lines (37, 39, 43) per Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096

Line (3): Compliance Attachment 9 Schedule 4-I Page 1, Line (2)

Line (5): Page 16, Line (3)

Line (7): Compliance Attachment 9 Schedule 4-I Page 1, Line (9)

Line (17): Compliance Attachment 20 Schedule 2 Page 1, Section 2, Line (3)

Line (25): Page 13, Line (13)

Line (31): Page 12, Line (10)

Line (35): Page 17, Line (7)

Line (41): Page 18, Line (7)

Line (46): Line (3)

Line (47): Line (5)

Line (48): Line (1)

Line (49): Line (29) + Line (31)

Line (50): Line (7)

Line (51): Line (9) + Line (11) + Line (13) + Line (15) + Line (17) + Line (19) + Line (21) + Line (23)

Line (52): Line (33)

Line (53): Line (35)

Line (54): Line (25) + Line (27)

Line (55): Line (37) + Line (39) + Line (41) + Line (43)

The Narragansett Electric Company
Present and Proposed Rates for Bill Impacts

	Present Rates @ 11/1/17 (a)	Proposed Rate (c)
(1) LIHEAP Enhancement Charge	\$0.81	\$0.81
(2)		
(3) Base Distribution Customer Charge	\$0.00	\$2.00
(4)		
(5) Renewable Energy Growth Charge	\$0.78	\$0.79
(6)		
(7) Base Distribution Energy (per kWh)	\$0.02317	\$0.04298
(8)		
(9) Operating & Maintenance Expense Charge	\$0.00163	\$0.00163
(10)		
(11) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)
(12)		
(13) FY18 CapEx Factor Charge	\$0.00288	\$0.00000
(14)		
(15) CapEx Reconciliation Factor	(\$0.00135)	(\$0.00135)
(16)		
(17) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118
(18)		
(19) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)
(20)		
(21) Storm Fund Replenishment Factor	\$0.00288	\$0.00288
(22)		
(23) Long-term Contracting for Renewable Energy Charge	\$0.00664	\$0.00665
(24)		
(25) Net Metering Charge	\$0.00023	\$0.00023
(26)		
(27) Base Transmission Charge and Adjustment Factor	\$0.03140	\$0.03140
(28)		
(29) Transmission Uncollectible Factor	\$0.00039	\$0.00040
(30)		
(31) Total Transition Charge	\$0.00057	\$0.00057
(32)		
(33) Energy Efficiency Program Charge	\$0.01154	\$0.01154
(34)		
(35) Standard Offer Service Base Charge	\$0.09792	\$0.09792
(36)		
(37) SOS Adjustment Factor	(\$0.00465)	(\$0.00465)
(38)		
(39) SOS Administrative Cost Adjustment Factor	\$0.00148	\$0.00151
(40)		
(41) Renewable Energy Standard Charge	\$0.00040	\$0.00040
(42)		
(43)		
(44) Customer Charge	\$0.00	\$2.00
(45) RE Growth Factor	\$0.78	\$0.79
(46) LIHEAP Charge	\$0.81	\$0.81
(47) Transmission Energy Charge	\$0.03179	\$0.03180
(48) Base Distribution Energy (per kWh)	\$0.02317	\$0.04298
(49) Other Distribution Energy Charge	\$0.00636	\$0.00348
(50) Transition Energy Charge	\$0.00057	\$0.00057
(51) Energy Efficiency Program Charge	\$0.01154	\$0.01154
(52) Renewable Energy Distribution Charge	\$0.00687	\$0.00688
(53) Standard Offer Charge	\$0.09515	\$0.09518

Column (a): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096
Column (b):

- Lines (1, 9, 11, 15, 17, 19, 21, 25, 27, 31) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095
- Lines (35, 37, 41) per Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096
- Line (3): Compliance Attachment 9 Schedule 4-I Page 1, Line (4)
- Line (5): Page 16, Line (3)
- Line (7): Compliance Attachment 9 Schedule 4-I Page 1, Line (9)
- Line (23): Page 13, Line (13)
- Line (29): Page 12, Line (10)
- Line (33): Page 17, Line (7)
- Line (39): Page 18, Line (7)
- Line (44): Line (3)
- Line (45): Line (5)
- Line (46): Line (1)
- Line (47): Line (27) + Line (29)
- Line (48): Line (7)
- Line (49): Line (9) + Line (11) + Line (13) + Line (15) + Line (17) + Line (19) + Line (21)
- Line (50): Line (31)
- Line (51): Line (33)
- Line (52): Line (23) + Line (25)
- Line (53): Line (35) + Line (37) + Line (39) + Line (41)

The Narragansett Electric Company
Present and Proposed Rates for Bill Impacts

<u>Rate C-06 (Small C&I)</u>		Present Rates @ 11/1/17 (a)	Proposed Rate (c)
(1)	LIHEAP Enhancement Charge	\$0.81	\$0.81
(2)			
(3)	Base Distribution Customer Charge	\$10.00	\$10.00
(4)			
(5)	Renewable Energy Growth Charge	\$1.26	\$1.26
(6)			
(7)	Base Distribution Energy (per kWh)	\$0.03253	\$0.04207
(8)			
(9)	Operating & Maintenance Expense Charge	\$0.00169	\$0.00169
(10)			
(11)	Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)
(12)			
(13)	FY18 CapEx Factor Charge	\$0.00269	\$0.00000
(14)			
(15)	CapEx Reconciliation Factor	(\$0.00119)	(\$0.00119)
(16)			
(17)	Proposed Low Income Discount Recovery Factor	\$0.00000	\$0.00152
(18)			
(19)	Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118
(20)			
(21)	Pension Adjustment Factor	(\$0.00085)	(\$0.00085)
(22)			
(23)	Storm Fund Replenishment Factor	\$0.00288	\$0.00288
(24)			
(25)	Long-term Contracting for Renewable Energy Charge	\$0.00664	\$0.00665
(26)			
(27)	Net Metering Charge	\$0.00023	\$0.00023
(28)			
(29)	Base Transmission Charge and Adjustment Factor	\$0.02803	\$0.02803
(30)			
(31)	Transmission Uncollectible Factor	\$0.00035	\$0.00036
(32)			
(33)	Total Transition Charge	\$0.00057	\$0.00057
(34)			
(35)	Energy Efficiency Program Charge	\$0.01154	\$0.01154
(36)			
(37)	Standard Offer Service Base Charge	\$0.09492	\$0.09492
(38)			
(39)	SOS Adjustment Factor	(\$0.00304)	(\$0.00304)
(40)			
(41)	SOS Administrative Cost Adjustment Factor	\$0.00122	\$0.00125
(42)			
(43)	Renewable Energy Standard Charge	\$0.00040	\$0.00040
(44)			
(45)			
(46)	Customer Charge	\$10.00	\$10.00
(47)	RE Growth Factor	\$1.26	\$1.26
(48)	LIHEAP Charge	\$0.81	\$0.81
(49)	Transmission Energy Charge	\$0.02838	\$0.02839
(50)	Base Distribution Energy (per kWh)	\$0.03253	\$0.04207
(51)	Other Distribution Energy Charge	\$0.00639	\$0.00522
(52)	Transition Energy Charge	\$0.00057	\$0.00057
(53)	Energy Efficiency Program Charge	\$0.01154	\$0.01154
(54)	Renewable Energy Distribution Charge	\$0.00687	\$0.00688
(55)	Standard Offer Charge	\$0.09350	\$0.09353

Column (a): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096

Column (b):

Lines (1, 9, 11, 15, 19, 21, 23, 27, 29, 33) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095

Lines (37, 39, 43) per Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096

Line (3): Compliance Attachment 9 Schedule 4-1 Page 1, Line (2)

Line (5): Page 16, Line (3)

Line (7): Compliance Attachment 9 Schedule 4-1 Page 1, Line (9)

Line (17): Compliance Attachment 20 Schedule 2 Page 1, Section 2, Line (3)

Line (25): Page 13, Line (13)

Line (31): Page 12, Line (10)

Line (35): Page 17, Line (7)

Line (41): Page 18, Line (7)

Line (46): Line (3)

Line (47): Line (5)

Line (48): Line (1)

Line (49): Line (29) + Line (31)

Line (50): Line (7)

Line (51): Line (9) + Line (11) + Line (13) + Line (15) + Line (17) + Line (19) + Line (21) + Line (23)

Line (52): Line (33)

Line (53): Line (35)

Line (54): Line (25) + Line (27)

Line (55): Line (37) + Line (39) + Line (41) + Line (43)

The Narragansett Electric Company
Present and Proposed Rates for Bill Impacts

Rate G-02 (General C&I)		Present Rates @ 11/1/17 (a)	Proposed Rate (c)
(1)	LIHEAP Enhancement Charge	\$0.81	\$0.81
(2)			
(3)	Base Distribution Customer Charge	\$135.00	\$145.00
(4)			
(5)	Renewable Energy Growth Charge	\$11.85	\$11.85
(6)			
(7)	Base Distribution Energy (per kWh)	\$0.00468	\$0.00409
(8)			
(9)	Distribution kW Charge (per kW >10)	\$4.85	\$6.50
(10)			
(11)	Operating & Maintenance Expense Charge	\$0.00122	\$0.00122
(12)			
(13)	Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)
(14)			
(15)	FY CapEx Factor (per kW >10)	\$0.67	\$0.00
(16)			
(17)	CapEx Reconciliation Factor	(\$0.00098)	(\$0.00098)
(18)			
(19)	Proposed Low Income Discount Recovery Factor	\$0.00000	\$0.00152
(20)			
(21)	Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118
(22)			
(23)	Pension Adjustment Factor	(\$0.00085)	(\$0.00085)
(24)			
(25)	Storm Fund Replenishment Factor	\$0.00288	\$0.00288
(26)			
(27)	Long-term Contracting for Renewable Energy Charge	\$0.00664	\$0.00665
(28)			
(29)	Net Metering Charge	\$0.00023	\$0.00023
(30)			
(31)	Transmission kW Charge	\$4.37	\$4.37
(32)			
(33)	Base Transmission Charge and Adjustment Factor	\$0.01064	\$0.01064
(34)			
(35)	Transmission Uncollectible Factor	\$0.00032	\$0.00033
(36)			
(37)	Total Transition Charge	\$0.00057	\$0.00057
(38)			
(39)	Energy Efficiency Program Charge	\$0.01154	\$0.01154
(40)			
(41)	Standard Offer Service Base Charge	\$0.09492	\$0.09492
(42)			
(43)	SOS Adjustment Factor	(\$0.00304)	(\$0.00304)
(44)			
(45)	SOS Administrative Cost Adjustment Factor	\$0.00122	\$0.00125
(46)			
(47)	Renewable Energy Standard Charge	\$0.00040	\$0.00040
(48)			
(49)			
(50)	Customer Charge	\$135.00	\$145.00
(51)	RE Growth Factor	\$11.85	\$11.85
(52)	LIHEAP Charge	\$0.81	\$0.81
(53)	Transmission Demand Charge	\$4.37	\$4.37
(54)	Transmission Energy Charge	\$0.01096	\$0.01097
(55)	Base Distribution Demand Charge-xcs 10 kW	\$4.85	\$6.50
(56)	CapEx Charge	\$0.67	\$0.00
(57)	Base Distribution Energy Charge	\$0.00468	\$0.00409
(58)	Other Distribution Energy Charge	\$0.00344	\$0.00496
(59)	Transition Energy Charge	\$0.00057	\$0.00057
(60)	Energy Efficiency Program Charge	\$0.01154	\$0.01154
(61)	Renewable Energy Distribution Charge	\$0.00687	\$0.00688
(62)	Standard Offer Charge	\$0.09350	\$0.09353

Column (a): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096

Column (b):

Lines (1, 11, 13, 17, 21, 23, 25, 29, 31, 33, 37) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095

Lines (41, 43, 47) per Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096

Line (3): Compliance Attachment 9 Schedule 4-I Page 1, Line (2)

Line (5): Page 16, Line (3)

Line (7): Compliance Attachment 9 Schedule 4-I Page 1, Line (9)

Line (9): Compliance Attachment 9 Schedule 4-I, Page 1, Line (14)

Line (19): Compliance Attachment 20 Schedule 2 Page 1, Section 2, Line (3)

Line (27): Page 13, Line (13)

Line (35): Page 12, Line (10)

Line (39): Page 17, Line (7)

Line (45): Page 18, Line (7)

Line (50): Line (3)

Line (51): Line (5)

Line (52): Line (1)

Line (53): Line (31)

Line (54): Line (33) + Line (35)

Line (55): Line (9)

Line (57): Line (7)

Line (58): Line (11) + Line (13) + Line (17) + Line (19) + Line (21) + Line (23) + Line (25)

Line (59): Line (37)

Line (60): Line (39)

Line (61): Line (27) + Line (29)

Line (62): Line (41) + Line (43) + Line (45) + Line (47)

The Narragansett Electric Company
Present and Proposed Rates for Bill Impacts

Rate G-32 (Large Demand Rate)			
	Present Rates @ 11/1/17 (a)	Proposed Rate (c)	
(1)	LIHEAP Enhancement Charge	\$0.81	\$0.81
(2)			
(3)	Base Distribution Customer Charge	\$825.00	\$1,100.00
(4)			
(5)	Renewable Energy Growth Charge	\$86.86	\$107.55
(6)			
(7)	Base Distribution Energy (per kWh)	\$0.00551	\$0.00385
(8)			
(9)	Distribution kW Charge (per kW >200)	\$3.70	\$5.00
(10)			
(11)	Operating & Maintenance Expense Charge	\$0.00079	\$0.00080
(12)			
(13)	Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)
(14)			
(15)	FY18 CapEx Factors (per kW >200)	\$0.71	\$0.00
(16)			
(17)	CapEx Reconciliation Factor	(\$0.00050)	(\$0.00048)
(18)			
(19)	Proposed Low Income Discount Recovery Factor	\$0.00000	\$0.00152
(20)			
(21)	Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118
(22)			
(23)	Pension Adjustment Factor	(\$0.00085)	(\$0.00085)
(24)			
(25)	Storm Fund Replenishment Factor	\$0.00288	\$0.00288
(26)			
(27)	Long-term Contracting for Renewable Energy Charge	\$0.00664	\$0.00665
(28)			
(29)	Net Metering Charge	\$0.00023	\$0.00023
(30)			
(31)	Transmission kW Charge	\$4.69	\$4.43
(32)			
(33)	Base Transmission Charge and Adjustment Factor	\$0.01093	\$0.01175
(34)			
(35)	Transmission Uncollectible Factor	\$0.00030	\$0.00031
(36)			
(37)	Total Transition Charge	\$0.00057	\$0.00057
(38)			
(39)	Energy Efficiency Program Charge	\$0.01154	\$0.01154
(40)			
(41)	Standard Offer Service Base Charge	\$0.06785	\$0.06785
(42)			
(43)	SOS Adjustment Factor	(\$0.00507)	(\$0.00507)
(44)			
(45)	SOS Administrative Cost Adjustment Factor	\$0.00122	\$0.00125
(46)			
(47)	Renewable Energy Standard Charge	\$0.00040	\$0.00040
(48)			
(49)			
(50)	Customer Charge	\$825.00	\$1,100.00
(51)	RE Growth Factor	\$86.86	\$107.55
(52)	LIHEAP Charge	\$0.81	\$0.81
(53)	Transmission Demand Charge	\$4.69	\$4.43
(54)	Transmission Energy Charge	\$0.01123	\$0.01206
(55)	Base Distribution Demand Charge - > 200 kW	\$3.70	\$5.00
(56)	CapEx Charge	\$0.71	\$0.00
(57)	Base Distribution Energy Charge	\$0.00551	\$0.00385
(58)	Other Distribution Energy Charge	\$0.00349	\$0.00504
(59)	Transition Energy Charge	\$0.00057	\$0.00057
(60)	Energy Efficiency Program Charge	\$0.01154	\$0.01154
(61)	Renewable Energy Distribution Charge	\$0.00687	\$0.00688
(62)	Standard Offer Charge	\$0.06440	\$0.06443

Column (a): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096

Column (b):

Lines (1, 13, 21, 23, 25, 29, 37) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095

Lines (41, 43, 47) per Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096

Line (3): Compliance Attachment 9 Schedule 4-I Page 1, Line (2)

Line (5): Page 16, Line (3)

Line (7): Compliance Attachment 9 Schedule 4-I Page 1, Line (9)

Line (9): Attachment 9 Schedule 4-I, Page 1, Line (15)

Line (11): Page 21, Column (f), Line (6)

Line (17): Page 22, Column (f), Line (10)

Line (19): Compliance Attachment 20 Schedule 2 Page 1, Section 2, Line (3)

Line (27): Page 13, Line (13)

Line (31): Page 10, Column (f), Line (10)

Line (33): Page 10, Column (f), Line (13) + Page 11, Column (f), Line (5)

Line (35): Page 12, Column (f), Line (10)

Line (39): Page 17, Line (7)

Line (45): Page 18, Line (7)

Line (50): Line (3)

Line (51): Line (5)

Line (52): Line (1)

Line (53): Line (31)

Line (54): Line (33) + Line (35)

Line (55): Line (9)

Line (57): Line (7)

Line (58): Line (11) + Line (13) + Line (17) + Line (19) + Line (21) + Line (23) + Line (25)

Line (59): Line (37)

Line (60): Line (39)

Line (61): Line (27) + Line (29)

Line (62): Line (41) + Line (43) + Line (45) + Line (47)

The Narragansett Electric Company
Present and Proposed Rates for Bill Impacts

Rate G-62 (Optional Large Demand Rate)

	Present Rates @ 11/1/17 (a)	Proposed G-32 Rate (c)
(1) LIHEAP Enhancement Charge	\$0.81	\$0.81
(2)		
(3) Base Distribution Customer Charge	\$17,000.00	\$1,100.00
(4)		
(5) Renewable Energy Growth Charge	\$1,928.08	\$107.55
(6)		
(7) Base Distribution Energy (per kWh)	\$0.00000	\$0.00385
(8)		
(9) Distribution kW Charge (per kW) (per kW >200) proposed	\$2.99	\$5.00
(10)		
(11) Operations & Maintenance Expense Charge (per kW)	\$0.36	n/a
(12)		
(13) Operating & Maintenance Expense Charge	\$0.00000	\$0.00080
(14)		
(15) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)
(16)		
(17) FY18 CapEx Factors (per kW) (per kW >200) proposed	\$0.55	\$0.00
(18)		
(19) CapEx Reconciliation Factor	(\$0.00038)	(\$0.00048)
(20)		
(21) Proposed Low Income Discount Recovery Factor	\$0.00000	\$0.00152
(22)		
(23) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118
(24)		
(25) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)
(26)		
(27) Long-term Contracting for Renewable Energy Charge	\$0.00664	\$0.00665
(28)		
(29) Net Metering Charge	\$0.00023	\$0.00023
(30)		
(31) Transmission (per kW)	\$3.40	\$4.43
(32)		
(33) Base Transmission Charge and Adjustment Factor	\$0.01492	\$0.01175
(34)		
(35) Transmission Uncollectible Factor	\$0.00032	\$0.00031
(36)		
(37) Total Transition Charge	\$0.00057	\$0.00057
(38)		
(39) Energy Efficiency Program Charge	\$0.01154	\$0.01154
(40)		
(41) Storm Fund Replenishment Factor	\$0.00288	\$0.00288
(42)		
(43) Standard Offer Service Base Charge	\$0.06785	\$0.06785
(44)		
(45) SOS Adjustment Factor	(\$0.00507)	(\$0.00507)
(46)		
(47) SOS Administrative Cost Adjustment Factor	\$0.00122	\$0.00125
(48)		
(49) Renewable Energy Standard Charge	\$0.00040	\$0.00040
(50)		
(51)		
(52) Customer Charge	\$17,000.00	\$1,100.00
(53) RE Growth Factor	\$1,928.08	\$107.55
(54) LIHEAP Charge	\$0.81	\$0.81
(55) Transmission Demand Charge	\$3.40	\$4.43
(56) Transmission Energy Charge	\$0.01524	\$0.01206
(57) Base Distribution Demand Charge	\$2.99	\$5.00
(58) O&M kW Charge	\$0.36	n/a
(59) CapEx kW Charge	\$0.55	\$0.00
(60) Base Distribution Energy Charge	\$0.00000	\$0.00385
(61) Other Distribution Energy Charge	\$0.00282	\$0.00504
(62) Transition Energy Charge	\$0.00057	\$0.00057
(63) Energy Efficiency Program Charge	\$0.01154	\$0.01154
(64) Renewable Energy Distribution Charge	\$0.00687	\$0.00688
(65) Standard Offer Charge	\$0.06440	\$0.06443

Column (a): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096

Column (b):

- Lines (1, 15, 23, 25, 29, 37, 41) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095
- Lines (43, 45, 49) per Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096
- Line (3): Compliance Attachment 9 Schedule 4-I Page 1, Line (2)
- Line (5): Page 16, Line (3)
- Line (7): Compliance Attachment 9 Schedule 4-I Page 1, Line (9)
- Line (9): Attachment 9 Schedule 4-I, Page 1, Line (15)
- Line (13): Page 21, Column (f), Line (6)
- Line (19): Page 22, Column (f), Line (10)
- Line (21): Compliance Attachment 20 Schedule 2 Page 1, Section 2, Line (3)
- Line (27): Page 13, Line (13)
- Line (31): Page 10, Column (f), Line (10)
- Line (33): Page 10, Column (f), Line (13) + Page 11, Column (f), Line (5)
- Line (35): Page 12, Column (f), Line (10)
- Line (39): Page 17, Line (7)
- Line (47): Page 18, Line (7)
- Line (52): Line (3)
- Line (53): Line (5)
- Line (54): Line (1)
- Line (55): Line (31)
- Line (56): Line (33) + Line (35)
- Line (57): Line (9)
- Line (58): Page 21, Column (f), Line (8)
- Line (60): Line (7)
- Line (61): Line (13) + Line (15) + Line (19) + Line (21) + Line (23) + Line (25) + Line (41)
- Line (62): Line (37)
- Line (63): Line (39)
- Line (64): Line (27) + Line (29)
- Line (65): Line (43) + Line (45) + Line (47) + Line (49)

The Narragansett Electric Company
Present and Proposed Rates for Bill Impacts

Rate X-01 (Electric Propulsion Rate)		
	Present Rates @ 11/1/17 (a)	Proposed Rate (b)
(1) LIHEAP Enhancement Charge	\$0.81	\$0.81
(2)		
(3) Base Distribution Customer Charge	\$16,500.00	\$21,000.00
(4)		
(5) Renewable Energy Growth Charge	\$2,087.71	\$2,088.76
(6)		
(7) Base Distribution Energy (per kWh)	\$0.01600	\$0.00484
(8)		
(9) Operating & Maintenance Expense Charge	\$0.00123	\$0.00123
(10)		
(11) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)
(12)		
(13) FY18 CapEx Factor Charge	\$0.00217	\$0.00000
(14)		
(15) CapEx Reconciliation Factor	(\$0.00103)	(\$0.00103)
(16)		
(17) Proposed Low Income Discount Recovery Factor	\$0.00000	\$0.00152
(18)		
(19) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118
(20)		
(21) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)
(22)		
(23) Long-term Contracting for Renewable Energy Charge	\$0.00664	\$0.00665
(24)		
(25) Net Metering Charge	\$0.00023	\$0.00023
(26)		
(27) Transmission (per kW)	\$3.40	\$4.43
(28)		
(29) Base Transmission Charge and Adjustment Factor	\$0.01492	\$0.01175
(30)		
(31) Transmission Uncollectible Factor	\$0.00032	\$0.00031
(32)		
(33) Total Transition Charge	\$0.00057	\$0.00057
(34)		
(35) Energy Efficiency Program Charge	\$0.01154	\$0.01154
(36)		
(37) Storm Fund Replenishment Factor	\$0.00288	\$0.00288
(38)		
(39) Standard Offer Service Base Charge	\$0.06785	\$0.06785
(40)		
(41) SOS Adjustment Factor	(\$0.00507)	(\$0.00507)
(42)		
(43) SOS Administrative Cost Adjustment Factor	\$0.00122	\$0.00125
(44)		
(45) Renewable Energy Standard Charge	\$0.00040	\$0.00040
(46)		
(47)		
(48) Customer Charge	\$16,500.00	\$21,000.00
(49) RE Growth Factor	\$2,087.71	\$2,088.76
(50) LIHEAP Charge	\$0.81	\$0.81
(51) Transmission Demand Charge	\$3.40	\$4.43
(52) Transmission Energy Charge	\$0.01524	\$0.01206
(53) Base Distribution Energy Charge	\$0.01600	\$0.00484
(54) Other Distribution Energy Charge	\$0.00557	\$0.00492
(55) Transition Energy Charge	\$0.00057	\$0.00057
(56) Energy Efficiency Program Charge	\$0.01154	\$0.01154
(57) Renewable Energy Distribution Charge	\$0.00687	\$0.00688
(58) Standard Offer Charge	\$0.06440	\$0.06443

Column (a): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096

Column (b):

Lines (1, 9, 11, 15, 19, 21, 25, 33, 37) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095

Lines (39, 41, 45) per Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096

Line (3): Compliance Attachment 9 Schedule 4-I Page 1, Line (2)

Line (5): Page 16, Line (3)

Line (7): Compliance Attachment 9 Schedule 4-I Page 1, Line (9)

Line (17): Compliance Attachment 20 Schedule 2 Page 1, Section 2, Line (3)

Line (23): Page 13, Line (13)

Line (27): Page 10, Column (f), Line (10)

Line (29): Page (10), Column (f), Line (13) + Page 11, Column (f), Line (5)

Line (31): Page 12, Column (f), Line (10)

Line (35): Page 17, Line (7)

Line (43): Page 18, Line (7)

Line (48): Line (3)

Line (49): Line (5)

Line (50): Line (1)

Line (51): Line (27)

Line (52): Line (29) + Line (31)

Line (53): Line (7)

Line (54): Line (9) + Line (11) + Line (13) + Line (15) + Line (17) + Line (19) + Line (21) + Line (37)

Line (55): Line (33)

Line (56): Line (35)

Line (57): Line (23) + Line (25)

Line (58): Line (39) + Line (41) + Line (43) + Line (45)

The Narragansett Electric Company
Present and Proposed Rates for Bill Impacts

Rate S-06/S-10/S-14 (Street and Area Lighting)

	Present Rates <u>@ 11/1/17</u> (a)	Proposed <u>Rate</u> (c)
(1) LIHEAP Enhancement Charge	\$0.81	\$0.81
(2)		
(3) Base Distribution Customer Charge	n/a	n/a
(4)		
(5) Renewable Energy Standard Charge (per luminaire)	\$0.39	\$0.39
(6)		
(7) Base Distribution Energy (per kWh)	\$0.00000	\$0.00000
(8)		
(9) Operating & Maintenance Expense Charge	\$0.01273	\$0.01273
(10)		
(11) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)
(12)		
(13) FY18 CapEx Factor Charge	\$0.01422	\$0.00000
(14)		
(15) CapEx Reconciliation Factor	(\$0.00151)	(\$0.00151)
(16)		
(17) Proposed Low Income Discount Recovery Factor	\$0.00000	\$0.00152
(18)		
(19) Revenue Decoupling Adjustment	\$0.00118	\$0.00118
(20)		
(21) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)
(22)		
(23) Storm Fund Replenishment Factor	\$0.00288	\$0.00288
(24)		
(25) Long-term Contracting Charge	\$0.00664	\$0.00665
(26)		
(27) Net Metering Charge	\$0.00023	\$0.00023
(28)		
(29) Base Transmission Charge and Adjustment Factor	\$0.02221	\$0.02221
(30)		
(31) Transmission Uncollectible Factor	\$0.00028	\$0.00029
(32)		
(33) Transition Charge	\$0.00057	\$0.00057
(34)		
(35) Energy Efficiency Program Charge	\$0.01154	\$0.01154
(36)		
(37) Standard Offer Service Base Charge	\$0.09492	\$0.09492
(38)		
(39) SOS Adjustment Factor	(\$0.00304)	(\$0.00304)
(40)		
(41) SOS Administrative Cost Adjustment Factor	\$0.00122	\$0.00125
(42)		
(43) <u>Renewable Energy Standard Charge</u>	<u>\$0.00040</u>	<u>\$0.00040</u>
(44)		
(45)		
(46) Volumetric Charge per kWh	\$0.16361	\$0.15096

Column (a): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096

Column (b):

Lines (1, 7, 9, 11, 15, 19, 21, 23, 27, 29, 33) per Summary of Retail Delivery Service Rates tariff

Lines (37, 39, 43) per Summary of Rates Standard Offer Service tariff

Line (3): n/a

Line (5): Page 16, Line (3)

Line (17): Compliance Attachment 20 Schedule 2 Page 1, Section 2, Line (3)

Line (25): Page 13, Line (13)

Line (31): Page 12, Line (10)

Line (35): Page 17, Line (7)

Line (41): Page 18, Line (7)

Line (46): sum of Lines (1) through (43)

The Narragansett Electric Company
Present and Proposed Rates for Bill Impacts

<u>Rate S-05 (Customer-Owned Street and Area Lighting)</u>		
	Present Rates <u>@ 11/1/17</u> (a)	Proposed <u>Rate</u> (c)
(1)	LIHEAP Enhancement Charge	\$0.81
(2)		
(3)	Base Distribution Customer Charge	n/a
(4)		
(5)	Renewable Energy Standard Charge (per luminaire)	\$0.39
(6)		
(7)	Base Distribution Energy (per kWh)	\$0.02654
(8)		\$0.03571
(9)	Operating & Maintenance Expense Charge	\$0.01273
(10)		
(11)	Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)
(12)		
(13)	FY18 CapEx Factor Charge	\$0.01422
(14)		
(15)	CapEx Reconciliation Factor	(\$0.00151)
(16)		
(17)	Proposed Low Income Discount Recovery Factor	\$0.00000
(18)		\$0.00152
(19)	Revenue Decoupling Adjustment	\$0.00118
(20)		
(21)	Pension Adjustment Factor	(\$0.00085)
(22)		
(23)	Storm Fund Replenishment Factor	\$0.00288
(24)		\$0.00288
(25)	Long-term Contracting Charge	\$0.00664
(26)		\$0.00665
(27)	Net Metering Charge	\$0.00023
(28)		\$0.00023
(29)	Base Transmission Charge and Adjustment Factor	\$0.02221
(30)		\$0.02221
(31)	Transmission Uncollectible Factor	\$0.00028
(32)		\$0.00029
(33)	Transition Charge	\$0.00057
(34)		\$0.00057
(35)	Energy Efficiency Program Charge	\$0.01154
(36)		\$0.01154
(37)	Standard Offer Service Base Charge	\$0.09492
(38)		\$0.09492
(39)	SOS Adjustment Factor	(\$0.00304)
(40)		
(41)	SOS Administrative Cost Adjustment Factor	\$0.00122
(42)		\$0.00125
(43)	<u>Renewable Energy Standard Charge</u>	<u>\$0.00040</u>
(44)		
(45)		
(46)	Volumetric Charge per kWh	\$0.19015
		\$0.18667

Column (a): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096

Column (b):

Lines (1, 7, 9, 11, 15, 19, 21, 23, 27, 29, 33) per Summary of Retail Delivery Service Rates tariff

Lines (37, 39, 43) per Summary of Rates Standard Offer Service tariff

Line (3): n/a

Line (5): Page 16, Line (3)

Line (7): Compliance Attachment 9 Schedule 4-F, Line (92)

Line (17): Compliance Attachment 20 Schedule 2 Page 1, Section 2, Line (3)

Line (25): Page 13, Line (13)

Line (31): Page 12, Line (10)

Line (35): Page 17, Line (7)

Line (41): Page 18, Line (7)

Line (46): sum of Lines (1) through (43)

The Narragansett Electric Company
Calculation of 2017 Base Transmission Factors
November 2017 Rates Adjusted by Rate Case Proposal

	Total	Residential A16/ A60 (a)	Small Commercial & Industrial C06 (b)	General Commercial & Industrial G02 (c)	Large Demand B32/G32 (d)	Large Demand B62/G62/X01 (e)	Combined B32/G32 B62/G62/X01 (f)	Street Lighting S05/S06 S10/S14 (g)
(1) Estimated Transmission Expenses	\$212,722,033							
(2) Coincident Peak Allocator	100.00%	45.12%	8.92%	17.07%	23.44%	5.05%	28.48%	0.41%
(3) Estimated 2017 Transmission Expenses by Rate Class	\$212,722,033	\$95,975,112	\$18,976,592	\$36,301,176	\$49,857,577	\$10,734,534	\$60,592,111	\$877,043
(4) Allocated Estimated 2016 Transmission Expenses	\$178,151,436	\$79,595,694	\$15,675,426	\$29,787,336	\$42,177,437	\$10,138,531	\$52,315,968	\$777,012
(5) Increase/(Decrease)	\$34,570,597	\$16,379,417	\$3,301,166	\$6,513,840	\$7,680,140	\$596,002	\$8,276,142	\$100,031
(6) Percentage Increase/(Decrease)	19.41%	20.58%	21.06%	21.87%	18.21%	5.88%	15.82%	12.87%
(7) Forecast 2017 Demand kW	11,451,784			4,545,406	5,657,297	1,249,081	6,906,378	
(8) Forecast kWh for the period April 1, 2017 through March 31, 2018	7,423,513,683	3,027,852,906	596,142,607	1,295,163,245	1,988,885,728	454,899,445	2,443,785,174	60,569,751
(9) Current Transmission kW Charge				\$3.59	\$3.97	\$3.22	\$3.83	
(10) Proposed Transmission kW Charge				\$4.37	\$4.69	\$3.40	\$4.43	
(11) Transmission Expenses to be Recovered on a kW Basis	\$50,458,679			\$19,863,424	\$26,532,725	\$4,246,874	\$30,595,255	
(12) Transmission Expenses to be Recovered on a kWh Basis	\$162,263,354	\$95,975,112	\$18,976,592	\$16,437,752	\$23,324,852	\$6,487,659	\$29,996,856	\$877,043
(13) Proposed Transmission kWh Charge		\$0.03169	\$0.03183	\$0.01269	\$0.01172	\$0.01426	\$0.01227	\$0.01447

Columns (a), (b), (c), (d), (e), (g) per 2017 Electric Retail Rate Filing, RIPUC Docket No 4691, Schedule ASC-11, Page 1
Column (f) Combination of Columns (d) and (e) - See Line Descriptions below

- (1) per 2017 Electric Retail Rate Filing, RIPUC Docket No 4691, Schedule TMF-1, Page 1, Line (11)
- (2) Columns (a), (b), (c), (d), (e), (g) per 2017 Electric Retail Rate Filing, RIPUC Docket No 4691, Schedule ASC-11, Page 2, Column (j); Column (f) sum of Columns (d) and (e); Total Column sum of Columns (a), (b), (c), (f), (g)
- (3) Line 2 x Total Line 1; Total Column sum of Columns (a), (b), (c), (f), (g)
- (4) per 2016 Electric Retail Rate Filing, RIPUC Docket No 4599 Schedule ASC-11, Page 1 of 2, Line (3); Column (f) sum of Columns (d) and (e); Total Column sum of Columns (a), (b), (c), (f), (g)
- (5) Line 3 - Line 4; Total Column sum of Columns (a), (b), (c), (f), (g)
- (6) Line 5 ÷ Line 4
- (7) per Company forecast; Column (f) sum of Columns (d) and (e); Total Column sum of Columns (a), (b), (c), (f), (g)
- (8) per Company forecast; Column (f) sum of Columns (d) and (e); Total Column sum of Columns (a), (b), (c), (f), (g)
- (9) Columns (a), (b), (c), (d), (e), (g) per 2016 Electric Retail Rate Filing, RIPUC Docket No 4599, Schedule ASC-11, Page 1, Line (10); Column (f) per 2016 Electric Retail Rate Filing, RIPUC Docket No 4599, Schedule ASC-11, Page 1 - rate classes B32/G32 and B62/G62, weighted average of sum of lines (7) and (11)
- (10) Higher of current charge or Line 9 x (1 + Line 6)
- (11) Line 7 x Line 10; Total Column sum of Columns (c) and (f)
- (12) Line 3 - Line 11; Total Column sum of Columns (a), (b), (c), (f), (g)
- (13) Line 12 ÷ Line 8 truncated to five decimal places

The Narragansett Electric Company
Calculation of Transmission Adjustment Factor
November 2017 Rates Adjusted by Rate Case Proposal

	<u>Total</u>	<u>Residential</u> <u>A16/ A60</u> <u>(a)</u>	<u>Small</u> <u>Commercial &</u> <u>Industrial</u> <u>C06</u> <u>(b)</u>	<u>General</u> <u>Commercial &</u> <u>Industrial</u> <u>G02</u> <u>(c)</u>	<u>Large Demand</u> <u>B32/G32</u> <u>(d)</u>	<u>Large Demand</u> <u>B62/G62/X01</u> <u>(e)</u>	<u>Combined</u> <u>B32/G32</u> <u>B62/G62/X01</u> <u>(f)</u>	<u>Street</u> <u>Lighting</u> <u>S05/S06</u> <u>S10/S14</u> <u>(g)</u>
(1) Transmission Over/(Under) Recovery	\$6,523,275	\$867,714	\$2,235,697	\$2,626,915	\$1,555,754	(\$300,386)	\$1,255,368	(\$462,420)
(2) Plus: Estimated Interest During the Refund/Recovery Period	<u>\$93,993</u>	<u>\$12,503</u>	<u>\$32,214</u>	<u>\$37,851</u>	<u>\$22,417</u>	<u>(\$4,328)</u>	<u>\$18,089</u>	<u>(\$6,663)</u>
(3) Total Transmission Over(Under) Recovery (including interest)	\$6,617,268	\$880,217	\$2,267,911	\$2,664,766	\$1,578,170	(\$304,714)	\$1,273,456	(\$469,083)
(4) Forecasted kWhs During Recovery Period	\$7,423,513,683	3,027,852,906	596,142,607	1,295,163,245	1,988,885,728	454,899,445	2,443,785,174	60,569,751
(5) Proposed Transmission Adjustment Charge/(Credit)		(\$0.00029)	(\$0.00380)	(\$0.00205)	(\$0.00079)	\$0.00066	(\$0.00052)	\$0.00774

- (1) Columns (a), (b), (c), (d), (e), (g) per 2017 Electric Retail Rate Filing, RIPUC Docket No 4691, ASC-12 Revised, Page 2; Column (f) sum of Columns (d) and (e)
(2) Columns (a), (b), (c), (d), (e), (g) per 2017 Electric Retail Rate Filing, RIPUC Docket No 4691, ASC-13 Revised, Page 2; Total Column sum of Columns (a), (b), (c), (f), and (g)
(3) Line (1) + Line (2); Total Column sum of Columns (a), (b), (c), (f), and (g)
(4) per Company forecast; Column (f) sum of Columns (d) and (e); Total Column sum of Columns (a), (b), (c), (f), and (g)
(5) Line 3 ÷ Line 4, truncated to five decimal places

The Narragansett Electric Company
Calculation of Transmission Uncollectible Factor
November 2017 Rates Adjusted by Rate Case Proposal

	Total	Residential A16/A60 (a)	Small Commercial & Industrial C06 (b)	General Commercial & Industrial G02 (c)	Large Demand B32/G32 (d)	Large Demand B62/G62/X01 (e)	Combined B32/G32 B62/G62/X01 (f)	Street Lighting S05/S06 S10/S14 (g)
(1) Estimated Base Transmission Revenue	\$212,722,033	\$95,975,112	\$18,976,592	\$36,301,176	\$49,857,577	\$10,734,534	\$60,592,111	\$877,043
(2) Transmission Service (Over)/Under Collection	(\$6,617,268)	(\$880,217)	(\$2,267,911)	(\$2,664,766)	(\$1,578,170)	\$304,714	(\$1,273,456)	\$469,083
(3) Transmission Uncollectible (Over)/Under Collection Balance	\$34,297	\$13,081	\$5,407	(\$2,561)	\$6,350	\$11,009	\$17,359	\$1,011
(4) Total	\$206,139,062	\$95,107,975	\$16,714,087	\$33,633,849	\$48,285,757	\$11,050,257	\$59,336,014	\$1,347,136
(5) Uncollectible Rate	1.30%							
(6) Estimated Transmission-related Uncollectible Expense	\$2,679,808	\$1,236,404	\$217,283	\$437,240	\$627,715	\$143,653	\$771,368	\$17,513
(7) Forecasted kWh	7,423,513,683	3,027,852,906	596,142,607	1,295,163,245	1,988,885,728	454,899,445	2,443,785,174	60,569,751
(8) Proposed Transmission Uncollectible Factor per kWh		\$0.00040	\$0.00036	\$0.00033	\$0.00031	\$0.00031	\$0.00031	\$0.00028
(9) 2016 Transmission Uncollectible Reconciliation Factor		\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00002	\$0.00000	\$0.00001
(10) Proposed Transmission Uncollectible Factor		\$0.00040	\$0.00036	\$0.00033	\$0.00031	\$0.00033	\$0.00031	\$0.00029

Columns (a), (b), (c), (d), (e), (g) per 2017 Electric Retail Rate Filing, RIPUC Docket No 4691, ASC-11, Page 1, Line (3); Column (f) sum of Columns (d) and (e); Total Column sum of Columns (a), (b), (c), (f), (g)

Columns (a), (b), (c), (d), (e), (g) from 2017 Electric Retail Rate Filing, RIPUC Docket No 4691, Schedule ASC-13 revised, page 1, line (3); Column (f) sum of Columns (d) and (e); Total Column sum of Columns (a), (b), (c), (f), (g); Column (f) sum of Columns (d) and (e); Total Column sum of Columns (a), (b), (c), (f), (g)

Columns (a), (b), (c), (d), (e), (g) from 2017 Electric Retail Rate Filing, RIPUC Docket No 4691, Schedule ASC-15 Revised, page 1, Line 14

(4) Line (1) + Line (2) + Line (3); Total Column sum of Columns (a), (b), (c), (f), (g)
(5) per Compliance Attachment 2 Schedule 22, Page 6, Line 15

(6) Line (4) x Line (5); Total Column sum of Columns (a), (b), (c), (f), (g)

(7) per Company forecast for the recovery/refund period; Total Column sum of Columns (a), (b), (c), (f), (g)

(8) Line (6) ÷ Line (7), truncated to five decimal places

Columns (a), (b), (c), (d), (e), (g) from 2017 Electric Retail Rate Filing, RIPUC Docket No 4691, Schedule ASC-15 Revised, page 1, Line 17; Column (f) per 2017 Electric Retail Rate Filing, RIPUC Docket No 4691, Schedule ASC-15 Revised, Page 1 - rate classes B32/G32 and B62/G62, weighted average of sum of lines (15) and (16)
(10) Line (8) + Line (9)

The Narragansett Electric Company
LTCRER Factor Calculation
November 2017 Rates Adjusted by Rate Case Proposal

(1)	Ending Under-Recovery Balance, Calendar Year 2016	(\$7,523,488)
(2)	Interest	(\$36,740)
(3)	Ending Balance Including Interest	(\$7,560,228)
(4)	Interest During Recovery Period	(\$75,245)
(5)	Ending Balance Including Interest During the Recovery Period	(\$7,635,473)
(6)	Forecasted kWhs for the period	7,423,513,683
(7)	Unadjusted charge per kWh	\$0.00102
(8)	LTC Recovery Factor Effective July 1, 2017 (prior to Uncollectible Adjustments)	\$0.00555
(9)	LTC Recovery Reconciliation Factor Effective April 1, 2017, prior to Uncollectible Adjustments	\$0.00102
(10)	Combined LTC Factor, prior to Uncollectible Adjustments	\$0.00657
(11)	Uncollectible Allowance	1.30%
(12)	Adjustment for Uncollectible Allowance	\$0.00008
(13)	Proposed LTC Recovery Factor	\$0.00665

- | | |
|---|---|
| <p>(1) per 2017 Electric Retail Rate Filing, Docket No. 4691. Schedule ASC-18, Page 1, Ending Balance</p> <p>(2) per 2017 Electric Retail Rate Filing, Docket No. 4691. Schedule ASC-18, Page 1, Line (1)</p> <p>(3) Line (1) + Line (2)</p> <p>(4) 2017 Electric Retail Rate Filing, Docket No. 4691. Schedule ASC-18, Page 2</p> <p>(5) Line (3) + Line (4)</p> <p>(6) per Company forecast</p> | <p>(7) Line (5) ÷ Line (6), truncated to 5 decimal places</p> <p>(8) per LTC Recovery Factor filing, Docket No. 4673. May 2017, Attachment 1, Page 1, Line (6)</p> <p>(9) per 2017 Electric Retail Rate Filing, Docket No. 4691. Schedule ASC-18, Page 1, Line (6)</p> <p>(10) Line (8) + Line (9)</p> <p>(11) per Compliance Attachment 2 Schedule 22, Page 6, Line 15</p> <p>(12) Line (10) x Line (11)</p> <p>(13) Line (10) + Line (12)</p> |
|---|---|

The Narragansett Electric Company
Renewable Energy Growth Program
Renewable Energy Growth Program Factors
November 2017 Rates Adjusted by Rate Case Proposal

	<u>Total</u>	<u>Residential</u> <u>A16 / A60</u> (a)	<u>Small</u> <u>Commercial</u> <u>& Industrial</u> <u>C06</u> (b)	<u>General</u> <u>Commercial</u> <u>& Industrial</u> <u>G02</u> (c)	<u>Large</u> <u>Demand</u> <u>B32 / G32</u> (d)	<u>Large</u> <u>Demand</u> <u>B62 / G62</u> (e)	<u>Combined</u> <u>B32/G32</u> <u>B62 / G62</u> (f)	<u>Street</u> <u>Lighting</u> <u>S05/S06</u> <u>S10 / S14</u> (g)	<u>Electric</u> <u>Propulsion</u> <u>X01</u> (h)
(1) Projected Annual Renewable Energy Growth Program Cost	\$7,598,773								
(2) Total Rate Base (\$000s)	\$561,738	\$296,490	\$54,542	\$82,460	\$77,651	\$19,545	\$97,196	\$29,286	\$1,764
(3) Percentage of Total (RBA)	100.00%	52.78%	9.71%	14.68%	13.82%	3.48%	17.30%	5.21%	0.31%
(4) Allocated Expense	\$7,598,773	\$4,010,692	\$737,805	\$1,115,458	\$1,050,407	\$264,391	\$1,314,798	\$396,164	\$23,857
(5) Forecasted Number of Bills/Luminaires (FBill)	7,009,440	5,257,356	608,568	98,664	12,696	144	12,840	1,032,000	12
(6) Proposed REG Factor - monthly per bill charge		\$0.76	\$1.21	\$11.30	\$82.73	\$1,836.04	\$102.39	\$0.38	\$1,988.05
(7) Uncollectible Percentage (UP)	1.30%	1.30%	1.30%	1.30%	1.30%	1.30%	1.30%	1.30%	1.30%
(8) Proposed RE Growth Factors		\$0.77	\$1.22	\$11.44	\$83.81	\$1,860.22	\$103.73	\$0.38	\$2,014.23

Columns (a), (b), (c), (d), (e), (g) per RE Growth Factor Filing, RIPUC Docket No. 4707, Schedule ASC-2, Page 4
Column (f) Combination of Columns (d) and (e) - See Line Descriptions below

- (1) RE Growth Factor Filing, RIPUC Docket No. 4707, Schedule ASC-2, Page 1, Line (6)
- (2) per RIPUC 4323, Compliance Attachment 3A, (Schedule HSG-1), page 2, line 10; Column (f) sum of Columns (d) and (e)
- (3) Line (2) ÷ Line (2) Total Column; Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (4) Line (1) Total Column x Line (3); Total Column sum of Columns (a), (b), (c), (f), (g), (h)
Company forecast for the period October 1, 2017 through September 30, 2018; for Streetlighting number represents individual fixtures; Column (f) sum of Columns (d) and (e); Total Column sum
- (5) of Columns (a), (b), (c), (f), (g), (h)
- (6) Line (4) ÷ Line (5), truncated to 2 decimal places
- (7) per Compliance Attachment 2 Schedule 22, Page 6, Line 15
- (8) Line (6) ÷ (1- Line (7)), truncated to 2 decimal places

The Narragansett Electric Company
Renewable Energy Growth Program
RE Growth Cost Recovery Reconciling Factors
November 2017 Rates Adjusted by Rate Case Proposal

<u>Factor Calculation</u>	<u>Total</u>	Residential	Small Commercial & Industrial	General Commercial & Industrial	Large Demand	Large Demand	Combined	Street Lighting	Electric Propulsion
		<u>A16 / A60</u> (a)	<u>C06</u> (b)	<u>G02</u> (c)	<u>B32 / G32</u> (d)	<u>B62 / G62</u> (e)	<u>B32 / G32</u> <u>B62 / G62</u> (f)	<u>S10 / S14</u> (g)	<u>X01</u> (h)
(1) RE Growth Program Year 2017 Cost (Over)/Under Recovery	\$281,221								
(2) Total Rate Base (\$000s)	\$561,738	\$296,490	\$54,542	\$82,460	\$77,651	\$19,545	\$97,196	\$29,286	\$1,764
(3) Rate Base as Percentage of Total (RBA)	100.00%	52.78%	9.71%	14.68%	13.82%	3.48%	17.30%	5.21%	0.31%
(4) Allocated 2017 Program Year (Over)/Under Recovery	\$281,221	\$148,431	\$27,305	\$41,282	\$38,874	\$9,785	\$48,659	\$14,662	\$883
(5) Forecasted Number of Bills/Luminaires (Fbill)	7,009,440	5,257,356	608,568	98,664	12,696	144	12,840	1,032,000	12
(6) Proposed Class-specific RE Growth Reconciling Factor per Month		\$0.02	\$0.04	\$0.41	\$3.06	\$67.94	\$3.78	\$0.01	\$73.57
(7) Uncollectible Percentage (UP)		1.30%	1.30%	1.30%	1.30%	1.30%	1.30%	1.30%	1.30%
(8) Proposed Factor incl. Adjustment for Uncollectible Allowance (X%)		\$0.02	\$0.04	\$0.41	\$3.10	\$68.83	\$3.82	\$0.01	\$74.53

Columns (a), (b), (c), (d), (e), (g) per RE Growth Factor Filing, RIPUC Docket No. 4707, Schedule ASC-3, Page , Section (2)

Column (f) Combination of Columns (d) and (e) - See Line Descriptions below

Line Descriptions:

- (1) RE Growth Factor Filing, Docket No. 4707, Schedule ASC-3, Page 1, Line (5)
- (2) per RIPUC 4323, Compliance Attachment 3A, (Schedule HSG-1), page 2, line 10; Column (f) sum of Columns (d) and (e)
- (3) Line (2) ÷ Line (2) Total Column; Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (4) Line (1) Total Column x Line (3); Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (5) Company forecast for the period October 1, 2017 through September 30, 2018; for Streetlighting number represents individual fixtures; Column (f) sum of Columns (d) and (e); Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (6) Line (4) ÷ Line (5), truncated to 2 decimal places
- (7) per Compliance Attachment 2 Schedule 22, Page 6, Line 15
- (8) Line (6) ÷ (1- Line (7)), truncated to 2 decimal places

The Narragansett Electric Company
Renewable Energy Growth Program
Combined Monthly RE Growth Cost Recovery Factors
November 2017 Rates Adjusted by Rate Case Proposal

	Residential <u>A16 / A60</u> (a)	Small Commercial & Industrial <u>C06</u> (b)	General Commercial & Industrial <u>G02</u> (c)	Large Demand <u>B32 / G32</u> (d)	Large Demand <u>B62 / G62</u> (e)	Combined B32/G32 <u>B62 / G62</u> (f)	Street Lighting S05/S06 <u>S10 / S14</u> (g)	Electric Propulsion <u>X01</u> (h)
(1) RE Growth Factor (Costs for PYE March 2018)	\$0.77	\$1.22	\$11.44	\$83.81	\$1,860.22	\$103.73	\$0.38	\$2,014.23
(2) RE Growth Reconciliation Factor (Costs for PYE March 2017)	<u>\$0.02</u>	<u>\$0.04</u>	<u>\$0.41</u>	<u>\$3.10</u>	<u>\$68.83</u>	<u>\$3.82</u>	<u>\$0.01</u>	<u>\$74.53</u>
(3) Proposed Combined RE Growth Factor	\$0.79	\$1.26	\$11.85	\$86.91	\$1,929.05	\$107.55	\$0.39	\$2,088.76

- (1) Page 14, Line (8)
- (2) Page 15, Line (8)
- (3) Line (1) + Line (2)

The Narragansett Electric Company
Energy Efficiency Factor Calculation
November 2017 Rates Adjusted by Rate Case Proposal

(1)	Currently Effective Energy Efficiency Program charge per kWh, excluding uncollectible recovery:	\$0.01108
(2)	Currently Effective System Reliability Factor per kWh, excluding uncollectible recovery:	\$0.00002
(3)	Total Effective Energy Efficiency Charge per kWh, excluding uncollectible recovery:	\$0.01110
(4)	Uncollectible Rate	1.30%
(5)	Energy Efficiency Program charge per kWh, including proposed uncollectible recovery:	\$0.01124
(6)	Renewable Energy Charge	\$0.00030
(7)	Proposed Energy Efficiency Charge	\$0.01154

- (1) per Energy Efficiency Program Plan For 2017, Docket No. 4654, Attachment 5, Page 1, Line (9)
- (2) per Energy Efficiency Program Plan For 2017, Docket No. 4654, Attachment 5, Page 1, Line (10)
- (3) per Energy Efficiency Program Plan For 2017, Docket No. 4654, Attachment 5, Page 1, Line (11)
- (4) per Compliance Attachment 2 Schedule 22, Page 6, Line 15
- (5) Line 3 ÷ (1-Line (4)), truncated to 5 decimal places
- (6) Renewable Energy Charge per R.I.G.L. §39-2-1.2
- (7) Line (5) + Line (6)

The Narragansett Electric Company
Calculation of Standard Offer Service Administrative Cost Factor
November 2017 Rates Adjusted by Rate Case Proposal

	<u>Total</u>	<u>Residential</u>	<u>Commercial</u>	<u>Industrial</u>
(1) Estimated Commodity Related Uncollectible Expense for 2017	\$3,137,281	\$2,172,700	\$794,276	\$170,305
(2) Estimated Other Administrative Expense for 2017	\$2,828,342	\$2,013,777	\$657,335	\$157,230
(3) Estimated Total Administrative Expense for 2017	\$5,965,623	\$4,186,477	\$1,451,611	\$327,535
(4) Forecasted SOS kWh for the period of April 1, 2017 through March 31, 2018	3,846,663,819	2,641,130,580	972,590,232	232,943,007
(5) Estimated SOS Administrative Cost Factor		\$0.00158	\$0.00149	\$0.00140
(6) SOS Administrative Cost Reconciliation Adjustment Factor		(\$0.00007)	(\$0.00024)	(\$0.00015)
(7) Proposed SOS Administrative Cost Factor		\$0.00151	\$0.00125	\$0.00125

- (1) from Page 19, line (3)
- (2) fom Page 20, line (4)
- (3) Line (1) + Line (2)
- (4) per 2017 Electric Retail Rate Filing, Docket No. 4691, Schedule ASC-3, page 2, line (4)
- (5) Line 3 ÷ Line 4, truncated to 5 decimal places
- (6) per 2017 Electric Retail Rate Filing, Docket No. 4691, Schedule ASC-7, Page 1 Lines (15), (10) and (5)
- (7) Line (5) + Line (6)

The Narragansett Electric Company
Calculation of Standard Offer Service Administrative Cost Factor
November 2017 Rates Adjusted by Rate Case Proposal

Commodity-Related Uncollectible Expense for April 1, 2017 through March 31, 2018

(1)	Estimated Rate Year Cost/Revenue	\$167,130,743	\$61,098,118	\$13,100,418	\$241,329,280
(2)	Uncollectible Rate	<u>1.30%</u>	<u>1.30%</u>	<u>1.30%</u>	
(3)	Expense	\$2,172,700	\$794,276	\$170,305	\$3,137,281

per 2017 Electric Annual Retail Rate Filing, RIPUC Docket No. 4691, Schedule ASC-4, Page 2, Section 1, Columns (c), (f), and (i), Line

- (1) (13)
- (2) per Compliance Attachment 2 Schedule 22, Page 6, Line 15
- (3) Line (1) x Line (2)

The Narragansett Electric Company
Calculation of Standard Offer Service Administrative Cost Factor
November 2017 Rates Adjusted by Rate Case Proposal

	<u>Total</u>	<u>Residential</u>	<u>Commercial</u>	<u>Industrial</u>
(1) Estimated GIS Cost	\$44,285	\$31,644	\$10,314	\$2,327
(2) Estimated CWC	\$2,420,321	\$1,723,269	\$561,515	\$135,538
(3) Estimate of Other Administrative Costs	<u>\$363,736</u>	<u>\$258,864</u>	<u>\$85,507</u>	<u>\$19,365</u>
(4) Total Other Administrative Expenses	\$2,828,342	\$2,013,777	\$657,335	\$157,230

- (1) from 2017 Electric Retail Rate Filing, Docket No. 4691, Schedule ASC-5 Revised, Page 4, column (g), Page 5, column (g) and Page 6, column (g)
- (2) from 2017 Electric Retail Rate Filing, Docket No. 4691, Schedule ASC-5, Page 4, column (h), Page 5, column (h) and Page 6, column (h)
- (3) from 2017 Electric Retail Rate Filing, Docket No. 4691, Schedule ASC-5, Page 4, column (i), Page 5, column (i) and Page 6, column (i), less costs incurred in CY 2016 for Northbridge study
- (4) Line (1) + Line (2) + Line (3)

The Narragansett Electric Company
FY18 Proposed Operations & Maintenance Factors
November 2017 Rates Adjusted by Rate Case Proposal

	Total	Residential A16 / A60 (a)	Small Commercial & Industrial C06 (b)	General Commercial & Industrial G02 (c)	Large Demand B32 / G32 (d)	Large Demand B62 / G62 (e)	Combined Large Demand B32 / G32 B62 / G62 (f)	Street Lighting S05/S06 S10 / S14 (g)	Electric Propulsion X01 (h)
(1) FY2018 Forecasted Vegetation Management (VM) and Inspection & Maintenance (I&M) O&M Expense	\$10,306,051								
(2) Operating & Maintenance Expense - Rate Year Allowance (\$000s)	\$35,640	\$17,115	\$3,503	\$5,508	\$5,438	\$1,306	\$6,744	\$2,668	\$102
(3) Percentage of Total	100.00%	48.02%	9.83%	15.45%	15.26%	3.66%	18.92%	7.49%	0.29%
Allocated Vegetation Management (VM) and Inspection & Maintenance (I&M) O&M Expense	\$10,306,051	\$4,949,160	\$1,012,966	\$1,592,753	\$1,572,511	\$377,657	\$1,950,169	\$771,508	\$29,495
(5) Forecasted kWh - April 2017 through March 2018	6,724,493,045	3,027,852,906	596,142,607	596,142,607	1,988,885,728	431,021,320	2,419,907,048	60,569,751	23,878,126
Proposed Vegetation Management (VM) and Inspection & Maintenance (I&M) O&M Expense Charge per kWh		\$0.00163	\$0.00169	\$0.00267	\$0.00079	n/a	\$0.00080	\$0.01273	\$0.00123
(7) Forecasted kW - April 2017 through March 2018						1,037,528			
Proposed Vegetation Management (VM) and Inspection & Maintenance (I&M) O&M Expense Charge per kW		n/a	n/a	n/a	n/a	\$0.36	n/a	n/a	n/a

Columns (a), (b), (c), (d), (e), (g) per FY 2018 Electric Infrastructure, Safety, and Reliability Plan, RIPUC Docket No. 4682, Section 6 Revised: Rate Design, Page 2
Column (f) Combination of Columns (d) and (e) - See Line Descriptions below

- (1) per Revised Section 5: Attachment 1S, page 1, line 4, column (b)
- (2) per R.L.P.U.C. 4323, Compliance Attachment 3A, (Schedule HSG-1), page 4, line 72; Column (f) Sum of Columns (d) and (e)
- (3) Line (2) ÷ Line (2) Total Column; Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (4) Line (1) Total Column x Line (3); Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (5) per Company forecasts; Column (f) Sum of Columns (d) and (e); Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (6) Line (4) ÷ Line (5), truncated to 5 decimal places
- (7) per Company forecasts
- (8) Line (4) ÷ Line (7), truncated to 2 decimal places

The Narragansett Electric Company
Proposed CapEx Reconciling Factors
For Fiscal Year 2017 ISR Plan
November 2017 Rates Adjusted by Rate Case Proposal

	Total	Residential A16 / A60 (a)	Small Commercial & Industrial C-06 (b)	General Commercial & Industrial G-02 (c)	Large Demand B32 / G32 (d)	Large Demand B62 / G62 (e)	Combined Large Demand B32 / G32 B62 / G62 (f)	Street Lighting S05/S06 S10 / S14 (g)	Electric Propulsion X01 (h)
(1) Actual FY2017 Capital Investment Revenue Requirement	\$10,303,388								
(2) Total Rate Base (\$000s)	\$561,738	\$296,490	\$54,542	\$82,460	\$77,651	\$19,545	\$97,196	\$29,286	\$1,764
(3) Rate Base as Percentage of Total	100.00%	52.78%	9.71%	14.68%	13.82%	3.48%	17.30%	5.21%	0.31%
(4) Allocated Actual FY2017 Capital Investment Revenue Requirement	\$10,303,388	\$5,438,209	\$1,000,410	\$1,512,480	\$1,424,276	\$358,495	\$1,782,772	\$537,170	\$32,348
(5) CapEx Revenue Billed	\$17,507,073	\$9,435,653	\$1,709,223	\$2,630,079	\$2,473,402	\$555,383	\$3,028,786	\$647,114	\$56,218
(6) Total Over Recovery for FY 2017	\$7,203,685	\$3,997,444	\$708,813	\$1,117,599	\$1,049,126	\$196,888	\$1,246,014	\$109,945	\$23,871
(7) Remaining Over (Under) For FY 2015	\$96,576	\$71,407	\$3,936	\$141,442	(\$67,802)	(\$34,333)	(\$102,135)	(\$18,859)	\$785
(8) Total Over (Under) Recovery	\$7,300,261	\$4,068,851	\$712,749	\$1,259,041	\$981,324	\$162,555	\$1,143,879	\$91,086	\$24,656
(9) Forecasted kWhs - October 1, 2017 through September 30, 2018	7,337,969,020	2,998,659,138	595,774,268	1,278,569,621	1,957,175,257	423,715,760	2,380,891,017	60,279,246	23,795,730
(10) Proposed Class-specific CapEx Reconciling Factor (Credit) per kWh		(\$0.00135)	(\$0.00119)	(\$0.00098)	(\$0.00050)	(\$0.00038)	(\$0.00048)	(\$0.00151)	(\$0.00103)

Columns (a), (b), (c), (d), (e), (g) per FY 2017 Electric Infrastructure, Safety, and Reliability Plan Reconciliation Filing, RIPUC Docket No. 4592, Attachment ASC-2, page 1
Column (f) Combination of Columns (d) and (e) - See Line Descriptions below

- (1) Total per FY 2017 Electric Infrastructure, Safety, and Reliability Plan Reconciliation Filing, RIPUC Docket No. 4592, Attachment AM-1, Page 1, Line (15)
- (2) per R.I.P.U.C. 4323, Compliance Attachment 3A, (Schedule HSG-1), page 2, Line (10); Column (f) sum of Columns (d) and (e); Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (3) Line (2) ÷ Line (2) Total Column; Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (4) Line (1) Total Column x Line (3); Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (5) per FY 2017 Electric Infrastructure, Safety, and Reliability Plan Reconciliation Filing, RIPUC Docket No. 4592, Attachment ASC-2, page2; Column (f) sum of Columns (d) and (e); Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (6) Line (5) - Line (4); Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (7) per FY 2017 Electric Infrastructure, Safety, and Reliability Plan Reconciliation Filing, RIPUC Docket No. 4592, Attachment ASC-2, page 3; Column (f) sum of Columns (d) and (e); Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (8) Line (6) + Line (7); Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (9) per Company forecasts; ; Column (f) sum of Columns (d) and (e); Total Column sum of Columns (a), (b), (c), (f), (g), (h)
- (10) -1 x [Line (8) ÷ Line (9)], truncated to 5 decimal places

Compliance Attachment 13

Narragansett Electric Redlined Tariffs

Marked to show changes from those currently in effect

THE NARRAGANSETT ELECTRIC COMPANY
BASIC RESIDENTIAL RATE (A-16)
 RETAIL DELIVERY SERVICE

AVAILABILITY

Electric delivery service under this rate is available for all domestic purposes in an individual private dwelling, an individual private apartment or an individual private condominium. Service is also available for farm customers where all electricity is delivered by the Company.

The Company may under unusual circumstances permit more than one set of living quarters to be served through one metering installation under this rate, but if so, the Customer Charge shall be multiplied by the number of separate living quarters so served.

Service under this rate is also available to residential condominium associations for service provided to common areas and facilities. The condominium association must provide documentation of the establishment of a residential condominium and a written statement identifying all buildings or units which are part of the condominium. Except at the Company's option, service to each individual unit shall be separately metered and billed apart from the common areas and facilities. If the Company permits more than one individual unit to be served through one metering installation, the Customer Charge shall be multiplied by the number of individual units served. Where a condominium includes space used exclusively for commercial purposes, all electric delivery service provided through the meter serving the commercial space will be charged at the appropriate commercial rate. Where a single metering installation records electric delivery service to both common areas/facilities and commercial space, all electric delivery service provided through the single meter will be billed under this rate. Electric delivery service provided to Company owned streetlights will be billed on the appropriate street and area lighting tariff.

A church and adjacent buildings owned and operated by the church may be served under this rate, but any such buildings separated by public ways must be billed separately.

MONTHLY CHARGE

The Monthly Charge will be the sum of the applicable Retail Delivery Service Charges set forth in RIPUC No. 2095, Summary of Retail Delivery Rates.

RATE ADJUSTMENT PROVISIONS

The charges for delivery service under this rate shall be subject to adjustment pursuant to the following provisions:

Customer Credit Provision

Energy Efficiency Program Provision

Infrastructure, Safety, and Reliability Provision

LIHEAP Enhancement Plan Provision

Long Term Contracting for Renewable Energy Recovery Provision

Long Term Contracting for Renewable Energy Recovery Reconciliation Provision

Net Metering Provision

Pension Adjustment Mechanism Provision

Performance Incentive Recovery Provision

Qualifying Facilities Power Purchase Rate

Renewable Energy Growth Program Cost Recovery Provision

Residential Assistance Provision

Revenue Decoupling Mechanism Provision

THE NARRAGANSETT ELECTRIC COMPANY
BASIC RESIDENTIAL RATE (A-16)
RETAIL DELIVERY SERVICE

Standard Offer Service Adjustment Provision
Storm Fund Replenishment Provision
Transition Cost Adjustment Provision
Transmission Service Cost Adjustment Provision
Transmission Service Charge Adjustment

The prices under this rate as set forth under “Monthly Charge” may be adjusted from time to time in the manner described in the Company’s Transmission Service Cost Adjustment Provision.

Transition Charge Adjustment

The prices under this rate as set forth under “Monthly Charge” may be adjusted from time to time in the manner described in the Company’s Non Bypassable Transition Charge Adjustment Provision.

Standard Offer Adjustment

All Customers served on this rate must pay any charges required pursuant to the terms of the Company’s Standard Offer Adjustment Provision, whether or not the Customer is taking or has taken Standard Offer Service.

R.I.P.U.C. No. 2100
Sheet 2
Canceling R.I.P.U.C. No. 2082

THE NARRAGANSETT ELECTRIC COMPANY
BASIC RESIDENTIAL RATE (A-16)
RETAIL DELIVERY SERVICE

Energy Efficiency Programs

The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Energy Efficiency Program Provision as from time to time effective in accordance with law.

Infrastructure, Safety and Reliability Provision

The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Infrastructure, Safety and Reliability Provision as from time to time effective in accordance with law.

Customer Credit Provision

The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Customer Credit Provision as from time to time effective in accordance with law.

LIHEAP Enhancement Plan Provision

The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s LIHEAP Enhancement Plan Provision as from time to time effective in accordance with law.

Revenue Decoupling Mechanism Provision

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
BASIC RESIDENTIAL RATE (A-16)
RETAIL DELIVERY SERVICE

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Revenue Decoupling Mechanism Provision as from time to time effective in accordance with law.~~

~~Net Metering Provision and Qualifying Facilities Power Purchase Rate~~

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Net Metering Provision and Qualifying Facilities Power Purchase Rate as from time to time effective in accordance with law.~~

~~Pension Adjustment Mechanism Provision~~

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Pension Adjustment Mechanism Provision as from time to time effective in accordance with law.~~

R.I.P.U.C. No. 2100
Sheet 3
Canceling R.I.P.U.C. No. 2082

THE NARRAGANSETT ELECTRIC COMPANY
BASIC RESIDENTIAL RATE (A-16)
RETAIL DELIVERY SERVICE

STANDARD OFFER SERVICE

Any Customer served under this rate who is eligible for Standard Offer Service shall receive such service pursuant to the Standard Offer Service tariff.

MINIMUM CHARGE

The minimum charge per month is the Customer Charge.

GROSS EARNINGS TAX

A Rhode Island Gross Earnings Tax adjustment will be applied to the charges determined above in accordance with Rhode Island General Laws.

TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

~~Effective: February 1, 2013~~

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
LOW INCOME RATE (A-60)
RETAIL DELIVERY SERVICE

AVAILABILITY

Service under this rate is available only to currently qualified customers for all domestic purposes in an individual private dwelling or an individual apartment, providing such customer meets both of the following criteria:

1. Must be the head of a household or principal wage earner; and
2. Must be presently receiving Supplemental Security Income from the Social Security Administration, be eligible for the low-income home energy assistance program, or one of the following from the appropriate Rhode Island agencies: Medicaid, Food Stamps, General Public Assistance or Family Independence Program.

It is the responsibility of the customer to annually certify, by forms provided by the Company, the continued compliance with the foregoing provisions.

The Company may under unusual circumstances permit more than one set of living quarters to be served through one meter under this rate, but if so, the kilowatt-hours eligible for the credit described below shall be multiplied by the number of separate living quarters so served.

MONTHLY CHARGE

The Monthly Charge will be the sum of the applicable Retail Delivery Service Charges set forth in RIPUC No. 2095, Summary of Retail Delivery Rates.

RATE ADJUSTMENT PROVISIONS

The charges for delivery service under this rate shall be subject to adjustment pursuant to the following provisions:

- Customer Credit Provision
- Energy Efficiency Programs Provision
- Infrastructure, Safety, and Reliability Provision
- LIHEAP Enhancement Plan Provision
- Long Term Contracting for Renewable Energy Recovery Provision
- Long Term Contracting for Renewable Energy Recovery Reconciliation Provision
- Net Metering Provision
- Pension Adjustment Mechanism Provision
- Performance Incentive Recovery Provision
- Qualifying Facilities Power Purchase Rate
- Renewable Energy Growth Program Cost Recovery Provision
- Revenue Decoupling Mechanism Provision
- Residential Assistance Provision
- Standard Offer Service Adjustment Provision
- Storm Fund Replenishment Provision
- Transition Cost Adjustment Provision
- Transmission Service Cost Adjustment Provision

~~Transmission Service Charge Adjustment~~

THE NARRAGANSETT ELECTRIC COMPANY
LOW INCOME RATE (A-60)
RETAIL DELIVERY SERVICE

~~———— The prices under this rate as set forth under “Monthly Charge” may be adjusted from time to time in the manner described in the Company’s Transmission Service Cost Adjustment Provision.~~

~~Transition Charge Adjustment~~

~~———— The prices under this rate as set forth under “Monthly Charge” may be adjusted from time to time in the manner described in the Company’s Non-Bypassable Transition Charge Adjustment Provision.~~

~~Standard Offer Adjustment~~

~~———— All Customers served on this rate must pay any charges required pursuant to the terms of the Company’s Standard Offer Adjustment Provision, whether or not the Customer is taking or has taken Standard Offer Service~~

~~Energy Efficiency Programs~~

~~———— The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Energy Efficiency Program Provision as from time to time effective in accordance with law.~~

R.I.P.U.C. No. 2101
———— Sheet 2
———— Canceling R.I.P.U.C. No. 2083

THE NARRAGANSETT ELECTRIC COMPANY
LOW INCOME RATE (A-60)
RETAIL DELIVERY SERVICE

Infrastructure, Safety and Reliability Provision

The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Infrastructure, Safety and Reliability Provision as from time to time effective in accordance with law.

Customer Credit Provision

———— The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Customer Credit Provision as from time to time effective in accordance with law.

LIHEAP Enhancement Plan Provision

The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s LIHEAP Enhancement Plan Provision as from time to time effective in accordance with law.

Revenue Decoupling Mechanism Provision

The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Revenue Decoupling Mechanism Provision as from time to time effective in accordance with law.

THE NARRAGANSETT ELECTRIC COMPANY
LOW INCOME RATE (A-60)
RETAIL DELIVERY SERVICE

Net Metering Provision and Qualifying Facilities Power Purchase Rate

~~_____ The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Net Metering Provision and Qualifying Facilities Power Purchase Rate as from time to time effective in accordance with law.~~

Pension Adjustment Mechanism Provision

~~_____ The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Pension Adjustment Mechanism Provision as from time to time effective in accordance with law.~~

STANDARD OFFER SERVICE

Any Customer served under this rate who is eligible for Standard Offer Service shall receive such service pursuant to the Standard Offer Service tariff.

LOW INCOME DISCOUNT

_____ The Customer's total bill for service as determined based upon the provisions above, in addition to charges for generation service billed under the Complete Billing Service option pursuant to §2.1.1 of the Company's Terms and Conditions for Nonregulated Power Producers in effect from time to time, will be discounted by twenty-five (25) percent. Customers receiving benefits through the following programs will receive an additional discount of five (5) percent, totaling a total bill discount of thirty (30) percent: Medicaid, General Public Assistance, or Family Independence Program.

GROSS EARNINGS TAX

A Rhode Island Gross Earnings Tax adjustment will be applied to the charges determined above in accordance with Rhode Island General Laws.

TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

~~_____ Effective: February 1, 2013~~

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND BACK-UP SERVICE RATE (B-32)
RETAIL DELIVERY SERVICE

AVAILABILITY

This service shall apply to Customers receiving service on any of the Company's retail delivery service tariffs who have a facility demand of 25 kilowatts or greater and meet the criteria in the class identified below:

- (i) who receive all or any portion of their electric supply from non-emergency generation unit(s) with a nameplate rating greater than 30 kW ("Generation Units"), where electricity received by the Customer from the Generation Units is not being delivered over Company-owned distribution facilities pursuant to an applicable retail delivery tariff, and
- (ii) who expect the Company to provide retail delivery service to supply the Customer's load at the service location when the Generation Units are not supplying all of that load.

~~Electric delivery service under this rate is applicable to customers with a facility demand of 25 kilowatts or more.~~

———Customers who receive incentive payments for the installation of non-emergency generation units configured for Combined Heat and Power ("CHP") through the Company's approved Energy Efficiency Plan after the effective date of this tariff, and who would otherwise be eligible for this rate, will receive retail delivery service on General C&I Rate G-02 or Large Demand Rate G-32, as applicable.

All Customers served on this rate must elect to take their total electric delivery service under the metering installation as approved by the Company

EXEMPTION FOR CUSTOMER ACCOUNTS ASSOCIATED WITH ELIGIBLE NET METERING SYSTEMS

Customers accounts associated with Eligible Net Metering Systems, as defined in R.I Public Laws of 2011, Chapters 134 and 147, shall be exempt from back-up service rates commensurate with the size of the generating facility ~~and subject to the statutory three (3) percent cap on the aggregate amount of net metering in Rhode Island.~~

TYPES OF SERVICE

"Back-Up" Retail Delivery Service consists of the Company standing ready to provide retail delivery service to the Customer's load when a non-emergency generator that supplies electricity to the Customer without using Company-owned distribution facilities does not supply all of the Customer's load.

"Supplemental" Retail Delivery Service is the delivery over Company-owned distribution facilities of electricity which is utilized at the Customer's facilities.

MONTHLY CHARGE

The Monthly Charge will be the sum of the Back-Up Service Charges and the Supplemental Service Charges, as stated below.

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND BACK-UP SERVICE RATE (B-32)
RETAIL DELIVERY SERVICE

~~THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND BACK-UP SERVICE RATE (B-32)
RETAIL DELIVERY SERVICE~~

DETERMINATION OF BILLING DEMAND FOR BILLING SUPPLEMENTAL AND BACK-UP per kW (DEMAND) CHARGES

The Billing Demand for each month for purposes of billing Back-Up and Supplemental Service shall be the greatest of the following:

- 1) The greatest fifteen-minute peak coincident demand of the generation meter(s) plus the demand from the meter(s) at the Customer's service entrance(s) occurring in such month during Peak hours as measured in kW;
- 2) 90% of the greatest fifteen-minute peak coincident demand of the generation meter(s) plus the demand from the meter(s) at the Customer's service entrance(s) occurring in such month during Peak hours as measured in kilovolt-amperes;
- 3) 75% of the greatest Demand as so determined above during the preceding eleven months.

BACK-UP RETAIL DELIVERY SERVICE

a) Rates for Back-Up Retail Delivery Service

Customer Charge per month See RIPUC No. 2095, Summary of Retail Delivery Rates

Distribution Charge per kW See RIPUC No. 2095, Summary of Retail Delivery Rates

The Distribution Charge per kW applicable to Back-up Retail Delivery Service shall be equal to ~~\$7.35~~~~\$6.96~~ (representing the base distribution kW charge applicable to Back-up Service as approved in RIPUC Docket No. ~~47704323~~), plus the approved Operation and Maintenance and CapEx factors applicable to Back-up Service, both per the Company's approved Infrastructure, Safety, and Reliability Plan, multiplied by a factor of 10%, representing the likelihood that, on average, an outage of an individual customer's generator will occur coincident with the Company's distribution system peak demand approximately 10% of the time.

b) Determination of Back-Up Service Kilowatt Demand

The Back-Up Service Demand shall be the greater of:

- 1) the fifteen-minute reading from the Customer's generation meter(s) as measured in kilowatts at the time of the Billing Demand in excess of 200 kW;

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND BACK-UP SERVICE RATE (B-32)
RETAIL DELIVERY SERVICE

- 2) 90% of the fifteen-minute reading from the Customer's generation meter(s) as measured in kilovolt-amperes at the time of the Billing Demand in excess of 200 kW; or
- 3) One hundred percent (100%) of the greatest Back-up Service Demand as determined above during the preceding eleven (11) months.

c) **Installation of Meters on Generation**

The Customer shall permit the Company to install meter(s) on the Generation Units providing electricity to the Customer, for purposes of billing under the terms of this rate. The meter shall be in accordance with the Company's reasonable specifications. The Customer will reimburse the Company for the

~~R.I.P.U.C. No. 2137~~
~~Sheet 3~~
~~Canceling R.I.P.U.C. No. 2132~~

~~THE NARRAGANSETT ELECTRIC COMPANY~~
~~**LARGE DEMAND BACK-UP SERVICE RATE (B-32)**~~
~~RETAIL DELIVERY SERVICE~~

installed cost of the meter and any associated equipment. The Customer shall provide reasonable access to the Company during normal business hours to read such meter in order to bill the Customer for service under this rate.

PEAK AND OFF-PEAK PERIODS

PEAK HOURS:	June - September	-- 8 a.m. - 10 p.m. Weekdays,
	December - February	-- 7 a.m. - 10 p.m. Weekdays
	October - November and	
	March - May	-- 8 a.m. - 9 p.m. Weekdays
OFF-PEAK HOURS:	All other hours	

Weekdays shall mean Monday through Friday, excluding the following holidays: New Year's Day, President's Day, Memorial Day, Independence Day, Columbus Day (observed), Labor Day, Veterans Day, Thanksgiving Day, and Christmas Day.

SUPPLEMENTAL RETAIL DELIVERY SERVICE

a) **Rates for Supplemental Retail Delivery Service**

<u>Transmission Charge per kW</u>	See RIPUC No. 2095, Summary of Retail Delivery Rates
<u>Distribution Charge per kW in excess of 200 kW</u>	See RIPUC No. 2095, Summary of Retail Delivery Rates
<u>Distribution Charge per kWh</u>	See RIPUC No. 2095, Summary of Retail Delivery Rates
<u>Non-Bypassable Transition Charge per kWh</u>	See RIPUC No. 2095, Summary of Retail

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND BACK-UP SERVICE RATE (B-32)
 RETAIL DELIVERY SERVICE

Delivery Rates

b) Assessment of Kilowatt-hour Charges

For purposes of billing kWh charges for Supplemental Distribution and Transmission Service, Customers will be billed on the greater of (i) the actual kWh delivered by the Company or (ii) 90% of the actual kVAh delivered.

For purposes of billing kWh charges for Standard Offer Service, Non-Bypassable Transition ~~Charge Service~~ and Energy Efficiency Programs, Customers will be billed on actual kWh delivered by the Company.

c) Determination of Kilowatt Demand

The Supplemental Distribution Service Demand for each month shall be the Billing Demand in excess of the Back-up Service Demand, but in no case less than 0 kW.

The Supplemental Transmission Service Demand for each month shall be the greater of:

- 1) The fifteen-minute peak from the meter(s) at the Customer's service entrance(s) as measured in

~~R.I.P.U.C. No. 2137~~

~~Sheet 4~~

~~Canceling R.I.P.U.C. No. 2132~~

~~THE NARRAGANSETT ELECTRIC COMPANY
 LARGE DEMAND BACK-UP SERVICE RATE (B-32)
 RETAIL DELIVERY SERVICE~~

- kW at the time of Billing Demand; or
- 2) 90% of the fifteen-minute peak demand from the meter(s) at the Customer's service entrance(s) as measured in kilovolt-amperes at the time of Billing Demand.

OPTIONAL DETERMINATION OF DEMAND

A Customer who has been served under this rate for one year or more may upon written request have the Demand for each month used for Supplemental Service be based upon the greatest of items (1) and (2) set forth above for Billing Demand, beginning with the next month after such request and running for a period of not less than two consecutive months. In such case, the Distribution Charge per kW, the Distribution Charge per kWh, the Transmission Charge per kW, and the Transmission Charge per kWh for Supplemental Service will be increased by 20% during any such period.

In addition, the Company may, at its discretion, agree to a lower demand determination for Back-Up Service below fifteen-minute peak coincident demand of the generation meter(s) if a Customer has installed equipment or configured its facilities in such a manner that automatically limits the requirement for Back-Up Service to the lower agreed-upon demand. Under such a situation, the Customer must demonstrate to the Company's reasonable satisfaction that the Customer's facilities are configured so as to limit the demand that can be placed on the distribution system, or must install and maintain, at no cost to the Company, an automated demand limiter or other similar device as agreed to by the Company which limits deliveries to the Customer over the Company's distribution system based on the lower agreed-upon demand. This equipment can not adversely affect the operation of the Company's distribution system or service to other customers. Such interruptible Back-

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND BACK-UP SERVICE RATE (B-32)
 RETAIL DELIVERY SERVICE

Up Service shall be negotiated by the Customer and the Company under a separate contract which shall be specific to an individual customer's circumstances.

RATE ADJUSTMENT PROVISIONS

The charges for delivery service under this rate shall be subject to adjustment pursuant to the following provisions:

Customer Credit Provision
Energy Efficiency Programs Provision
Infrastructure, Safety, and Reliability Provision
LIHEAP Enhancement Plan Provision
Long Term Contracting for Renewable Energy Recovery Provision
Long Term Contracting for Renewable Energy Recovery Reconciliation Provision
Net Metering Provision
Pension Adjustment Mechanism Provision
Performance Incentive Recovery Provision
Qualifying Facilities Power Purchase Rate
Renewable Energy Growth Program Cost Recovery Provision
Residential Assistance Provision
Revenue Decoupling Mechanism Provision
Standard Offer Service Adjustment Provision
Storm Fund Replenishment Provision
Transition Cost Adjustment Provision
Transmission Service Cost Adjustment Provision

Transmission Service Charge Adjustment

~~———— The prices under this rate as set forth under “Monthly Charge” may be adjusted from time to time in the manner described in the Company’s Transmission Service Cost Adjustment Provision. This provision shall not apply for Back Up Retail Delivery Service and shall only apply to Supplemental Retail Delivery Service.~~

Transition Charge Adjustment

~~———— The prices under this rate as set forth under “Monthly Charge” may be adjusted from time to time in the manner described in the Company’s Non Bypassable Transition Charge Adjustment Provision. This provision shall not apply for Back Up Retail Delivery Service and shall only apply to Supplemental Retail Delivery Service.~~

Standard Offer Adjustment

~~———— All Customers served on this rate must pay any charges required pursuant to the terms of the Company’s Standard Offer Adjustment Provision, whether or not the Customer is taking or has taken Standard Offer Service. This provision shall not apply for Back Up Retail Delivery Service and shall only apply to Supplemental Retail Delivery Service.~~

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND BACK-UP SERVICE RATE (B-32)
RETAIL DELIVERY SERVICE

~~THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND BACK-UP SERVICE RATE (B-32)
RETAIL DELIVERY SERVICE~~

Energy Efficiency Programs

~~———— The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Energy Efficiency Program Provision as from time to time effective in accordance with law. This provision shall not apply for Back Up Retail Delivery Service and shall only apply to Supplemental Retail Delivery Service.~~

Infrastructure, Safety and Reliability Provision

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Infrastructure, Safety and Reliability Provision as from time to time effective in accordance with law.~~

Customer Credit Provision

~~———— The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Customer Credit Provision as from time to time effective in accordance with law.~~

LIHEAP Enhancement Plan Provision

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's LIHEAP Enhancement Plan Provision as from time to time effective in accordance with law.~~

Revenue Decoupling Mechanism Provision

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Revenue Decoupling Mechanism Provision as from time to time effective in accordance with law.~~

Net Metering Provision and Qualifying Facilities Power Purchase Rate

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Net Metering Provision and Qualifying Facilities Power Purchase Rate as from time to time effective in accordance with law.~~

Pension Adjustment Mechanism Provision

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Pension Adjustment Mechanism Provision as from time to time effective in accordance with law.~~

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND BACK-UP SERVICE RATE (B-32)

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND BACK-UP SERVICE RATE (B-32)
RETAIL DELIVERY SERVICE

~~RETAIL DELIVERY SERVICE~~

STANDARD OFFER SERVICE

Any Customer served under this rate who is eligible for Standard Offer Service shall receive such service pursuant to the Standard Offer Service tariff. This provision shall not apply for Back-Up Retail Delivery Service and shall only apply to Supplemental Retail Delivery Service.

CREDIT FOR HIGH VOLTAGE DELIVERY

If the Customer takes delivery at the Company's supply line voltage, not less than 2400 volts, and the Company is saved the cost of installing any transformer and associated equipment, a credit per kilowatt of supplemental distribution billing demand for such month shall be allowed against the amount determined under the preceding provisions. See RIPUC No. 2095, Summary of Retail Delivery Rates.

An additional credit per kilowatt of the supplemental distribution billing demand for such month shall also be allowed if the Customer accepts delivery at transmission level voltage, not less than ~~115,000 volts~~ 69 kV, and the Company is saved the cost of installing any transformer and associated equipment. See RIPUC No. 2095, Summary of Retail Delivery Rates.

The total amount of the credit allowed under this provision shall not exceed the sum of the Customer Charge, the Distribution Charge per kW and the Distribution Charge per kWh.

HIGH-VOLTAGE METERING ADJUSTMENT

The Company reserves the right to determine the metering installation. Where service is metered at the Company's supply line voltage, in no case less than 2400 volts, thereby saving the Company transformer losses, a discount of 1% will be allowed from the amount determined under the preceding provisions.

SECOND FEEDER SERVICE

Except as provided below, Customers receiving second feeder service shall pay a charge per 90% of KVA of reserved second feeder capability. See RIPUC No. 2095, Summary of Retail Delivery Rates. The charge for second feeder capability shall apply only to Customers with second feeder capability installed on or after May 1, 1998. The charge for second feeder capability shall not apply to Customers taking service within the Capital Center of Providence or within the downtown Providence underground network system. The Company's Line Extension and Construction Advance Policy 3 shall apply to determine any advance contribution by the customer, using an estimate of revenues to be derived from this second feeder rate. The Company reserves the right to decline second feeder service for engineering reasons.

An additional charge per 90% of KVA of reserved second feeder capability equal to the credit for high voltage delivery for customers taking service at not less than 2400 volts shall be charged if an additional transformer is required at the Customer's facility. See RIPUC No. 2095, Summary of Retail Delivery Rates

GROSS EARNINGS TAX

A Rhode Island Gross Earnings Tax adjustment will be applied to the charges determined above in accordance with Rhode Island General Laws.

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND BACK-UP SERVICE RATE (B-32)
RETAIL DELIVERY SERVICE

~~THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND BACK-UP SERVICE RATE (B-32)
RETAIL DELIVERY SERVICE~~

GROSS EARNINGS TAX CREDIT FOR MANUFACTURERS

Consistent with the gross receipts tax exemption provided in Section 44-13-35 of Rhode Island General Laws, eligible manufacturing customers will be exempt from the Gross Earnings Tax to the extent allowed by the Division of Taxation.

Eligible manufacturing customers are those customers who have on file with the Company a valid certificate of exemption from the Rhode Island sales tax (under section 44-18-30(7) of Rhode Island General Laws) indicating the customer's status as a manufacturer. If the Division of Taxation (or other Rhode Island taxing authority with jurisdiction) disallows any part or all of the exemption as it applies to a customer, the customer will be required to reimburse the Company in the amount of the credits provided to such customer which were disallowed, including any interest required to be paid by the Company to such authority.

TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

Effective: February 1, 2013

THE NARRAGANSETT ELECTRIC COMPANY
SMALL C&I RATE (C-06)
RETAIL DELIVERY SERVICE

AVAILABILITY

Electric delivery service under this rate is available for all purposes. If electricity is delivered through more than one meter, except at the Company's option, the Monthly Charge for service through each meter shall be computed separately under this rate. Notwithstanding the foregoing, the Company may require any customer with a 12-month average demand greater than 200 kW to take service on the Large Demand Rate G-32.

MONTHLY CHARGE

The Monthly Charge will be the sum of the applicable Retail Delivery Service Charges set forth in RIPUC No. 2095, Summary of Retail Delivery Rates.

RATE ADJUSTMENT PROVISIONS

The charges for delivery service under this rate shall be subject to adjustment pursuant to the following provisions:

- Customer Credit Provision
- Energy Efficiency Programs Provision
- Infrastructure, Safety, and Reliability Provision
- LIHEAP Enhancement Plan Provision
- Long Term Contracting for Renewable Energy Recovery Provision
- Long Term Contracting for Renewable Energy Recovery Reconciliation Provision
- Net Metering Provision
- Pension Adjustment Mechanism Provision
- Performance Incentive Recovery Provision
- Qualifying Facilities Power Purchase Rate
- Renewable Energy Growth Program Cost Recovery Provision
- Residential Assistance Provision
- Revenue Decoupling Mechanism Provision
- Standard Offer Service Adjustment Provision
- Storm Fund Replenishment Provision
- Transition Cost Adjustment Provision
- Transmission Service Cost Adjustment Provision

~~Transmission Service Charge Adjustment~~

~~———— The prices under this rate as set forth under “Monthly Charge” may be adjusted from time to time in the manner described in the Company’s Transmission Service Cost Adjustment Provision.~~

~~Transition Charge Adjustment~~

~~———— The prices under this rate as set forth under “Monthly Charge” may be adjusted from time to time in the manner described in the Company’s Non Bypassable Transition Charge Adjustment Provision.~~

~~Standard Offer Adjustment~~

~~———— All Customers served on this rate must pay any charges required pursuant to the terms of the Company’s Standard Offer Adjustment Provision, whether or not the Customer is taking or has taken Standard Offer Service.~~

THE NARRAGANSETT ELECTRIC COMPANY
SMALL C&I RATE (C-06)
RETAIL DELIVERY SERVICE

Energy Efficiency Programs

~~—The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Energy Efficiency Program Provision as from time to time effective in accordance with law.~~

Infrastructure, Safety and Reliability Provision

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Infrastructure, Safety and Reliability Provision as from time to time effective in accordance with law.~~

Customer Credit Provision

~~—The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Customer Credit Provision as from time to time effective in accordance with law.~~

STANDARD OFFER SERVICE

Any Customer served under this rate who is eligible for Standard Offer Service shall receive such service pursuant to the Standard Offer Service tariff.

MINIMUM CHARGE

Metered Service: See RIPUC No. 2095, Summary of Retail Delivery Rates
Unmetered Service: See RIPUC No. 2095, Summary of Retail Delivery Rates

However, if the kVA transformer capacity needed to serve a customer exceeds 25 kVA, the minimum charge will be increased for each kVA in excess of 25 kVA. See Additional Minimum Charge, RIPUC No. 2095, Summary of Retail Delivery Rates.

R.I.P.U.C. No. 2104
Sheet 2
Canceling R.I.P.U.C. No. 2086

THE NARRAGANSETT ELECTRIC COMPANY
~~SMALL C&I RATE (C-06)~~
~~RETAIL DELIVERY SERVICE~~

UNMETERED ELECTRIC SERVICE

Unmetered services are usually not permitted or desirable. However, the Company recognizes that there are certain instances where metering is not practical. ~~Examples of such locations are telephone booths and fire box lights.~~ The monthly bill will be computed by applying the rate schedule to a use determined by multiplying the total load in kilowatts by 730 hours. However, the energy use may be adjusted after tests of the unmetered equipment indicate lesser usage. When unmetered service is provided the aforesaid customer charge will be waived and the Unmetered Service Charge per month per location will be implemented.

GROSS EARNINGS TAX

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
SMALL C&I RATE (C-06)
RETAIL DELIVERY SERVICE

A Rhode Island Gross Earnings Tax adjustment will be applied to the charges determined above in accordance with Rhode Island General Laws.

GROSS EARNINGS TAX CREDIT FOR MANUFACTURERS

Consistent with the gross receipts tax exemption provided in Section 44-13-35 of Rhode Island General Laws, eligible manufacturing customers will be exempt from the Gross Earnings Tax to the extent allowed by the Division of Taxation.

Eligible manufacturing customers are those customers who have on file with the Company a valid certificate of exemption from the Rhode Island sales tax (under section 44-18-30(7) of Rhode Island General Laws) indicating the customer's status as a manufacturer. If the Division of Taxation (or other Rhode Island taxing authority with jurisdiction) disallows any part or all of the exemption as it applies to a customer, the customer will be required to reimburse the Company in the amount of the credits provided to such customer which were disallowed, including any interest required to be paid by the Company to such authority.

TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

~~THE NARRAGANSETT ELECTRIC COMPANY~~
~~**SMALL C&I RATE (C-06)**~~
~~RETAIL DELIVERY SERVICE~~

Effective: February 1, 2013

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL C&I RATE (G-02)
 RETAIL DELIVERY SERVICE

AVAILABILITY

Electric delivery service under this rate is available for all purposes to customers with a Demand of 10 kilowatts or more. If electricity is delivered through more than one meter, except at the Company's option, the Monthly Charge for service through each meter shall be computed separately under this rate. Notwithstanding the foregoing, the Company may require any customer with a 12-month average Demand greater than 200 kW to take service on the Large Demand Rate G-32.

This rate will also apply to customers who receive incentive payments for the installation of non-emergency generation configured to provide Combined Heat and Power ("CHP") through the Company's approved Energy Efficiency Plan after the effective date of this tariff, and who would otherwise be eligible to receive service on Large Back-up Service Rate B-32.

This rate is also available to customer accounts associated with Eligible Net Metering Systems, as defined in R.I Public Laws of 2011, Chapters 134 and 147, who are therefore exempt from the backup service rates. However, any customer exempted from the backup service rates under this provision shall nevertheless be required to install metering pursuant to the backup service tariff that shall provide information on the operation of the generation unit.

MONTHLY CHARGE

The Monthly Charge will be the sum of the Retail Delivery Service Charges set forth in the RIPUC No. 2095, Summary of Retail Delivery Rates.

RATE ADJUSTMENT PROVISIONS

The charges for delivery service under this rate shall be subject to adjustment pursuant to the following provisions:

Customer Credit Provision

Energy Efficiency Programs Provision

Infrastructure, Safety, and Reliability Provision

LIHEAP Enhancement Plan Provision

Long Term Contracting for Renewable Energy Recovery Provision

Long Term Contracting for Renewable Energy Recovery Reconciliation Provision

Net Metering Provision

Pension Adjustment Mechanism Provision

Performance Incentive Recovery Provision

Qualifying Facilities Power Purchase Rate

Renewable Energy Growth Program Cost Recovery Provision

Residential Assistance Provision

Revenue Decoupling Mechanism Provision

Standard Offer Service Adjustment Provision

Storm Fund Replenishment Provision

Transition Cost Adjustment Provision

Transmission Service Cost Adjustment Provision

Transmission Service Charge Adjustment

— The prices under this rate as set forth under "Monthly Charge" may be adjusted from time to time in the

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL C&I RATE (G-02)
RETAIL DELIVERY SERVICE

~~manner described in the Company's Transmission Service Cost Adjustment Provision.~~

Transition Charge Adjustment

~~—The prices under this rate as set forth under "Monthly Charge" may be adjusted from time to time in the manner described in the Company's Non Bypassable Transition Charge Adjustment Provision.~~

Standard Offer Adjustment

~~—All Customers served on this rate must pay any charges required pursuant to the terms of the Company's Standard Offer Adjustment Provision, whether or not the Customer is taking or has taken Standard Offer Service.~~

R.I.P.U.C. No. 2139
Sheet 2
Canceling R.I.P.U.C. No. 2134

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL C&I RATE (G-02)
RETAIL DELIVERY SERVICE

Energy Efficiency Programs

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Energy Efficiency Program Provision as from time to time effective in accordance with law.~~

Infrastructure, Safety and Reliability Provision

~~—The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Infrastructure, Safety and Reliability Provision as from time to time effective in accordance with law.~~

Customer Credit Provision

~~—The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Customer Credit Provision as from time to time effective in accordance with law.~~

LIHEAP Enhancement Plan Provision

~~—The amount determined under the preceding provisions shall be adjusted in accordance with the Company's LIHEAP Enhancement Plan Provision as from time to time effective in accordance with law.~~

Revenue Decoupling Mechanism Provision

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Revenue Decoupling Mechanism Provision as from time to time effective in accordance with law.~~

Net Metering Provision and Qualifying Facilities Power Purchase Rate

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL C&I RATE (G-02)
RETAIL DELIVERY SERVICE

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Net Metering Provision and Qualifying Facilities Power Purchase Rate as from time to time effective in accordance with law.~~

~~Pension Adjustment Mechanism Provision~~

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Pension Adjustment Mechanism Provision as from time to time effective in accordance with law.~~

STANDARD OFFER SERVICE

Any Customer served under this rate who is eligible for Standard Offer Service shall receive such service pursuant to the Standard Offer Service tariff.

DEMAND

The Demand for each month under ordinary load conditions shall be the greatest of the following:

- a) The greatest fifteen-minute peak occurring during such month as measured in kilowatts,
- b) 90% of the greatest fifteen-minute peak occurring during the month as measured in kilovolt-amperes, where the Customer's Demand exceeds 75 kilowatts,

~~R.I.P.U.C. No. 2139
Sheet 3
Canceling R.I.P.U.C. No. 2134~~

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL C&I RATE (G-02)
RETAIL DELIVERY SERVICE

- c) 75% of the greatest Demand as so determined above during the preceding eleven months,
- d) 10 kilowatts.

Any Demands established during the eleven months prior to the application of this rate shall be considered as having been established under this rate.

Any Demand established during the Scheduled Maintenance Period, as defined below, will not be considered during billing periods subsequent to the Scheduled Maintenance Period in the calculation of c) above.

OPTIONAL DETERMINATION OF DEMAND

A Customer who has been served hereunder for one year or more may upon written request have the

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL C&I RATE (G-02)
RETAIL DELIVERY SERVICE

Demand for each month, beginning with the next month after such request and running for a period of not less than two consecutive months, be based upon the greatest of items a), b) and d) above. In such case, the Distribution Charge per kW, the Distribution Charge per kWh, the Transmission Charge per kW, and the Transmission per kWh will be increased by 20% during any such period.

COMBINED HEAT AND POWER (“CHP”) PROGRAM PROVISIONS

Minimum Demand

Customers who receive an incentive payment for the installation of a CHP non-emergency generation unit through the Company’s Energy Efficiency Program after the effective date of this tariff will be subject to a monthly Minimum Demand Charge. For Customers subject to this CHP Minimum Demand Provision, the monthly Demand will be the greater of:

- a) the Demand as determined above; or
- b) the Minimum Demand, which shall be 50% of the greatest fifteen-minute reading from the Customer’s generation meter(s) as measured in kilowatts during the month;

The Customer Charge, Transmission Demand Charge, all per kWh charges, and any other applicable charges and credits will be in addition to the Minimum Demand Charge.

Scheduled Maintenance

Customers may, at their option, request one annual Scheduled Maintenance Period which may occur during no more than five (5) consecutive week-days during the months of April, May, October and November. This request must be submitted to the Company in writing at least 30 days in advance, and must specify the exact dates and duration of the Scheduled Maintenance Period. The Company will notify the Customer in writing within five (5) business days of receiving the Customer’s request whether the Scheduled Maintenance Period is acceptable. Meter readings during this Scheduled Maintenance Period will be used in determining the Customer’s Demand for the current month, but will not be used during subsequent billing periods for purposes of determining Demand (See Demand above).

~~THE NARRAGANSETT ELECTRIC COMPANY
GENERAL C&I RATE (G-02)
RETAIL DELIVERY SERVICE~~

Metering Requirements

The Customer shall permit the Company to install meter(s) on the Generation Units providing electricity to the Customer, for purposes of billing under the terms of this rate. The meter shall be in accordance with the Company’s reasonable specifications. The Customer will reimburse the Company for the installed cost of the meter and any associated equipment. The Customer shall provide reasonable access to the Company during normal business hours to read such meter in order to bill the Customer for service under this rate.

CREDIT FOR HIGH VOLTAGE DELIVERY

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL C&I RATE (G-02)
RETAIL DELIVERY SERVICE

If the Customer takes delivery at the Company's supply line voltage, not less than 2,400 volts, and the Company is saved the cost of installing any transformer and associated equipment, a credit per kilowatt of billing demand for such month shall be allowed against the amount determined under the preceding provisions. See RIPUC No. 2095, Summary of Retail Delivery Rates.

HIGH-VOLTAGE METERING ADJUSTMENT

The Company reserves the right to determine the metering installation. Where service is metered at the Company's supply line voltage, in no case less than 2400 volts, thereby saving the Company transformer losses, a discount of 1% will be allowed from the amount determined under the preceding provisions.

GROSS EARNINGS TAX

A Rhode Island Gross Earnings Tax adjustment will be applied to the charges determined above in accordance with Rhode Island General Laws.

GROSS EARNINGS TAX CREDIT FOR MANUFACTURERS

Consistent with the gross receipts tax exemption provided in Section 44-13-35 of Rhode Island General Laws, eligible manufacturing customers will be exempt from the Gross Earnings Tax to the extent allowed by the Division of Taxation.

Eligible manufacturing customers are those customers who have on file with the Company a valid certificate of exemption from the Rhode Island sales tax (under section 44-18-30(7) of Rhode Island General Laws) indicating the customer's status as a manufacturer. If the Division of Taxation (or other Rhode Island taxing authority with jurisdiction) disallows any part or all of the exemption as it applies to a customer, the customer will be required to reimburse the Company in the amount of the credits provided to such customer which were disallowed, including any interest required to be paid by the Company to such authority.

TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

Effective: ~~February 1, 2013~~

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND RATE (G-32)
 RETAIL DELIVERY SERVICE

AVAILABILITY

Electric delivery service shall be taken under this rate for all purposes by any customer who is placed on the rate by the Company in accordance with this paragraph. The Company shall place on this rate any customer who has a 12-month average metered demand of 200 kW or greater for 3 consecutive months as soon as practicable, based on the greatest fifteen minute peak, as measured in kilowatts, occurring during any hour of the month.

If electricity is delivered through more than one meter, except at the Company's option, the Monthly Charge for delivery service through each meter shall be computed separately under this rate. If any electricity is delivered hereunder at a given location, then all electricity deliveries by the Company at such location shall be delivered hereunder.

New Customers Placed on Rate G-32: Service will initially be taken under this rate by any new customer who requests service capability of 225 kVA or greater. The Company may require a customer with a 12-month average metered demand greater than 200 kW for twelve consecutive months to receive service on this rate.

Transfers From Rate G-32: Any customer whose 12-month average demand is less than 180 kW for twelve consecutive months may elect to transfer from the Large Demand Rate G-32 to another available rate. The Company may require a customer with a 12-month average metered demand of less than 180 kW for twelve consecutive months to receive service on another available rate.

This rate will apply to customers who receive incentive payments for the installation of non-emergency generation configured to provide Combined Heat and Power ("CHP") through the Company's approved Energy Efficiency Plan after the effective date of this tariff, and who would otherwise be eligible to receive service on Large Back-up Service Rate B-32.

This rate is also available to customer accounts associated with Eligible Net Metering Systems, as defined in R.I Public Laws of 2011, Chapters 134 and 147, who are therefore exempt from the backup service rates. However, any customer exempted from the backup service rates under this provision shall nevertheless be required to install metering pursuant to the backup service tariff that shall provide information on the operation of the generation unit.

MONTHLY CHARGE

The Monthly Charge will be the sum of the Retail Delivery Service Charges set forth in the RIPUC No. 2095, Summary of Retail Delivery Rates.

PEAK OFF-PEAK PERIODS

PEAK HOURS:	June - September	-- 8 a.m. - 10 p.m. Weekdays
	December - February	-- 7 a.m. - 10 p.m. Weekdays
	October - November and	
	March - May	-- 8 a.m. - 9 p.m. Weekdays

OFF-PEAK HOURS: All other hours

Weekdays shall mean Monday through Friday, excluding the following holidays: New Year's Day,

R.I.P.U.C. No. 2147

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND RATE (G-32)
RETAIL DELIVERY SERVICE

Sheet 2
Canceling R.I.P.U.C. No. 2140

~~THE NARRAGANSETT ELECTRIC COMPANY~~
~~**LARGE DEMAND RATE (G-32)**~~
~~RETAIL DELIVERY SERVICE~~

President's Day, Memorial Day, Independence Day, Columbus Day (observed), Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day.

RATE ADJUSTMENT PROVISIONS

The charges for delivery service under this rate shall be subject to adjustment pursuant to the following provisions:

- Customer Credit Provision
- Energy Efficiency Program Provision
- Infrastructure, Safety, and Reliability Provision
- LIHEAP Enhancement Plan Provision
- Long Term Contracting for Renewable Energy Recovery Provision
- Long Term Contracting for Renewable Energy Recovery Reconciliation Provision
- Net Metering Provision
- Pension Adjustment Mechanism Provision
- Performance Incentive Recovery Provision
- Qualifying Facilities Power Purchase Rate
- Renewable Energy Growth Program Cost Recovery Provision
- Residential Assistance Provision
- Revenue Decoupling Mechanism Provision
- Standard Offer Service Adjustment Provision
- Storm Fund Replenishment Provision
- Transition Cost Adjustment Provision
- Transmission Service Cost Adjustment Provision

STANDARD OFFER SERVICE

Any Customer served under this rate who is eligible for Standard Offer Service shall receive such service pursuant to the Standard Offer Service tariff.

BILLING DEMAND

The Billing Demand for each month under ordinary load conditions shall be the greatest of the following:

- a) The greatest fifteen-minute peak occurring in such month during Peak hours as measured in kilowatts,
- b) 90% of the greatest fifteen-minute peak occurring in such month during Peak hours as measured in kilovolt-amperes,
- c) 75% of the greatest Billing Demand as so determined above during the preceding eleven months, and
- d) 10 kilowatts.

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND RATE (G-32)
RETAIL DELIVERY SERVICE

Any Billing Demand established during the Scheduled Maintenance Period, as defined below, will not be considered during billing periods subsequent to the Scheduled Maintenance Period in the calculation of c) above.

Transmission Service Charge Adjustment

— The prices under this rate as set forth under “Monthly Charge” may be adjusted from time to time in the manner described in the Company’s Transmission Service Cost Adjustment Provision.

Transition Charge Adjustment

— The prices under this rate as set forth under “Monthly Charge” may be adjusted from time to time in the manner described in the Company’s Non-Bypassable Transition Charge Adjustment Provision.

Standard Offer Adjustment

— All Customers served on this rate must pay any charges required pursuant to the terms of the Company’s Standard Offer Adjustment Provision, whether or not the Customer is taking or has taken Standard Offer Service.

Energy Efficiency Programs

— The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Energy Efficiency Program Provision as from time to time effective in accordance with law.

Infrastructure, Safety and Reliability Provision

The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Infrastructure, Safety and Reliability Provision as from time to time effective in accordance with law.

Customer Credit Provision

— The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Customer Credit Provision as from time to time effective in accordance with law.

LIHEAP Enhancement Plan Provision

— The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s LIHEAP Enhancement Plan Provision as from time to time effective in accordance with law.

Revenue Decoupling Mechanism Provision

The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Revenue Decoupling Mechanism Provision as from time to time effective in accordance with law.

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND RATE (G-32)
RETAIL DELIVERY SERVICE

~~THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND RATE (G-32)
RETAIL DELIVERY SERVICE~~

Net Metering Provision and Qualifying Facilities Power Purchase Rate

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Net Metering Provision and Qualifying Facilities Power Purchase Rate as from time to time effective in accordance with law.~~

Pension Adjustment Mechanism Provision

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Pension Adjustment Mechanism Provision as from time to time effective in accordance with law.~~

OPTIONAL DETERMINATION OF BILLING DEMAND

A Customer who has been served hereunder for one year or more may upon written request have the Billing Demand for each month, beginning with the next month after such request and running for a period of not less than two consecutive months, be based upon the greatest of items (a), (b) and (d) above. In such case, the Distribution Charge per kW, the Distribution Charge per kWh, the Transmission Charge per kW and the Transmission per kWh will be increased by 20% during any such period.

COMBINED HEAT AND POWER ("CHP") PROVISIONS

Minimum Demand

Customers who receive an incentive payment for the installation of a CHP non-emergency generation unit through the Company's Energy Efficiency Program after the effective date of this tariff will be subject to a monthly Minimum Demand Charge. For Customer's subject to this CHP Minimum Demand Charge Provision, the monthly Billing Demand will be the greater of:

- a) the Billing Demand as determined above; or
- b) the Minimum Billing Demand, which shall be 50% of the greatest fifteen-minute reading from the Customer's generation meter(s) as measured in kilowatts during peak hours.

The Customer Charge, Transmission Demand Charge, all per kWh charges, and any other applicable charges and credits will be in addition to the Minimum Demand Charge.

Scheduled Maintenance

Customers may, at their option, request one annual Scheduled Maintenance Period which may occur during no more than five (5) consecutive week-days during the months of April, May, October, and November. This request must be submitted to the Company in writing at least 30 days in advance, and must specify the exact

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND RATE (G-32)
 RETAIL DELIVERY SERVICE

dates and duration of the Scheduled Maintenance Period. The Company will notify the Customer in writing within five (5) business days of receiving the Customer's request whether the Scheduled Maintenance Period is acceptable. Meter readings during this Scheduled Maintenance Period will be used in determining the Customer's Billing Demand for the current month, but will not be used during subsequent billing periods for purposes of determining Billing Demand (See Billing Demand above).

Metering Requirements

The Customer shall permit the Company to install meter(s) on the Generation Units providing electricity to the Customer, for purposes of billing under the terms of this rate. The meter shall be in accordance with the Company's reasonable specifications. The Customer will reimburse the Company for the installed cost of the meter and any associated equipment. The Customer shall provide reasonable access to the Company during normal business hours to read such meter in order to bill the Customer for service under this rate.

R.I.P.U.C. No. 2147

Sheet 4

Canceling R.I.P.U.C. No. 2140

~~THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND RATE (G-32)
 RETAIL DELIVERY SERVICE~~

CREDIT FOR HIGH VOLTAGE DELIVERY

If the Customer takes delivery at the Company's supply line voltage, not less than 2,400 volts, and the Company is saved the cost of installing any transformer and associated equipment, a credit per kilowatt of ~~Billing Demand~~ for such month shall be allowed against the amount determined under the preceding provisions. See RIPUC 2095, Summary of Retail Delivery Rates.

An additional credit per kilowatt of the ~~Billing Demand~~ for such month shall also be allowed if said customer accepts delivery at transmission level voltage, not less than ~~115,000 volts~~ 69 kV, and the Company is saved the cost of installing any transformer and associated equipment. See RIPUC No. 2095, Summary of Retail Delivery Rates.

The total amount of the credit allowed under this provision shall not exceed the sum of the Customer Charge, the Distribution Charge per kW, and the Distribution Charge per kWh.

HIGH-VOLTAGE METERING ADJUSTMENT

The Company reserves the right to determine the metering installation. Where service is metered at the Company's supply line voltage, in no case less than 2400 volts, thereby saving the Company transformer losses, a discount of 1% will be allowed from the amount determined under the preceding provisions.

SECOND FEEDER SERVICE

Except as provided below, Customers receiving second feeder service shall pay a charge per 90% of KVA of reserved second feeder capability. See RIPUC No. 2095, Summary of Retail Delivery Rates. The charge for second feeder capability shall apply only to Customers with second feeder capability installed on or after May 1, 1998. The charge for second feeder capability shall not apply to Customers taking service within the Capital

THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND RATE (G-32)
 RETAIL DELIVERY SERVICE

Center of Providence or within the downtown Providence underground network system. The Company's Line Extension and Construction Advance Policy 3 shall apply to determine any advance contribution by the eCustomer, using an estimate of revenues to be derived from this second feeder rate. The Company reserves the right to decline second feeder service for engineering reasons.

An additional charge per 90% of KVA of reserved second feeder capability equal to the credit for high voltage delivery for customers taking service at not less than 2400 volts shall be charged if an additional transformer is required at the Customer's facility. See RIPUC No. 2095, Summary of Retail Delivery Rates.

R.I.P.U.C. No. 2147

Sheet 5

Canceling R.I.P.U.C. No. 2140

~~THE NARRAGANSETT ELECTRIC COMPANY
LARGE DEMAND RATE (G-32)
 RETAIL DELIVERY SERVICE~~

GROSS EARNINGS TAX

A Rhode Island Gross Earnings Tax adjustment will be applied to the charges determined above in accordance with Rhode Island General Laws.

GROSS EARNINGS TAX CREDIT FOR MANUFACTURERS

Consistent with the gross receipts tax exemption provided in Section 44-13-35 of Rhode Island General Laws, eligible manufacturing customers will be exempt from the Gross Earnings Tax to the extent allowed by the Division of Taxation.

Eligible manufacturing customers are those customers who have on file with the Company a valid certificate of exemption from the Rhode Island sales tax (under section 44-18-30(7) of Rhode Island General Laws) indicating the customer's status as a manufacturer. If the Division of Taxation (or other Rhode Island taxing authority with jurisdiction) disallows any part or all of the exemption as it applies to a customer, the customer will be required to reimburse the Company in the amount of the credits provided to such customer which were disallowed, including any interest required to be paid by the Company to such authority.

TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

Effective: April 1, 2014

THE NARRAGANSETT ELECTRIC COMPANY
STATION POWER DELIVERY AND RELIABILITY SERVICE RATE (M-1)
RETAIL DELIVERY SERVICE

AVAILABILITY

This service shall be available to all Customers meeting the following criteria:

1. The Customer is a “Merchant Generator” who owns and operates a generating facility with one or more generating units with an aggregate generating capacity of 50 MW or more and where all, or virtually all, of the electricity produced by the generating facility is delivered into the transmission grid for resale (net of any self-supplied Station Power);
2. The Customer’s generating facility is interconnected directly or indirectly with high voltage facilities at 115 kV or greater where the high voltage facilities serving the customer are sized for deliveries into the transmission grid; and
3. The Customer receives deliveries of electricity from time to time directly or indirectly through the high voltage facilities to serve all or portion of the Customer’s Station Power requirements at the generating facility.

This rate shall be mandatory for any Customer meeting the above listed criteria if such Customer arranges its own transmission service for delivery of Station Power into the generating facility, as described below under “Transmission Service Arrangements”. Once a Customer takes service under this rate, the Customer may not choose to take service under a different rate without the consent of the Company.

DEFINITIONS

As used in this tariff:

“**Merchant Generator**” means a person or entity that owns and operates an electric power production facility and sells the output from such facility (net of self-supplied Station Power), either directly or through a marketer, at wholesale through the transmission grid.

“**Station Power**” means electrical energy and/or capacity used by the Customer for heating, lighting, power for station auxiliaries, office equipment, and/or other power production operating purposes.

TYPE OF SERVICE

Station Power Delivery and Reliability Service consists of delivery service through high voltage and/or other interconnected facilities to serve all or a portion of the Customer’s Station Power requirements at the generating facilities.

DELIVERY POINT CONSOLIDATION

If the Customer has more than one delivery point for station service deliveries into interrelated generating facilities, the Company may consolidate the metering and delivery points into one billing account for purposes of billing under this rate.

THE NARRAGANSETT ELECTRIC COMPANY
STATION POWER DELIVERY AND RELIABILITY SERVICE RATE (M-1)
RETAIL DELIVERY SERVICE

~~THE NARRAGANSETT ELECTRIC COMPANY~~
~~**STATION POWER DELIVERY AND RELIABILITY SERVICE RATE (M-1)**~~
~~RETAIL DELIVERY SERVICE~~

MONTHLY CHARGE

Customers must select either Option A or Option B. The Monthly Charge will be the sum of the Station Power Delivery Service Charges stated on RIPUC No. 2095, Summary of Retail Delivery Rates for the applicable option. Once a Customer selects an Option, the Customer must remain on that Option for 12 consecutive months before changing Options.

BILLING DETERMINANTS FOR TRANSITION AND ENERGY EFFICIENCY CHARGES

Option A – Monthly Netting

Under Option A, for purposes of determining whether the alternative kilowatt-hour charges apply for the Non-Bypassable Transition Charge and the Energy Efficiency Programs Charge, the Company will net gross generator output against remotely supplied station service deliveries each month. The charge for each month for such components shall be the higher of (i) the fixed charge or (ii) the kilowatt-hour charge multiplied by the net kilowatt-hours delivered for the month if the deliveries exceed generation output for the month.

Option B – Hourly Netting

Under Option B, for purposes of determining the kilowatt-hour charges that apply for the Non-Bypassable Transition Charge and the Energy Efficiency Programs Charge, the Company will net gross generator output against remotely supplied station service deliveries each hour. The charge for each month shall be the kilowatt-hour charge multiplied by the net kilowatt-hours delivered for the hour if the deliveries exceed generation output for such hour.

RATE ADJUSTMENT CLAUSE APPLICABILITY

Option A – Monthly Netting

The charges for delivery service under Option A of this rate shall be subject to adjustment pursuant to the following provisions:

- Customer Credit Provision
- Energy Efficiency Program Provision
- LIHEAP Enhancement Plan Provision
- Transition Cost Adjustment Provision

Option B – Hourly Netting

The charges for delivery service under Option B this rate shall be subject to adjustment pursuant to the following provisions:

THE NARRAGANSETT ELECTRIC COMPANY
STATION POWER DELIVERY AND RELIABILITY SERVICE RATE (M-1)
RETAIL DELIVERY SERVICE

Customer Credit Provision
Energy Efficiency Program Provision
LIHEAP Enhancement Plan Provision
Transition Cost Adjustment Provision

~~The Transition Charge Adjustment Provision, the Energy Efficiency Program Provision, the Standard Offer Adjustment Provision, and the Transmission Service Charge Adjustment Provision shall not apply to Option A of this Rate.~~

~~———— The Standard Offer Adjustment Provision and the Transmission Service Charge Adjustment Provision shall not apply to Option B of this Rate.~~

Customer Credit Provision

~~———— The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Customer Credit Provision as from time to time effective in accordance with law.~~

LIHEAP Enhancement Plan Provision

~~———— The amount determined under the preceding provisions shall be adjusted in accordance with the Company's LIHEAP Enhancement Plan Provision as from time to time effective in accordance with law.~~

R.I.P.U.C. No. 2109
Sheet 3
Canceling R.I.P.U.C. No. 2091

THE NARRAGANSETT ELECTRIC COMPANY
~~**STATION POWER DELIVERY AND RELIABILITY SERVICE RATE (M-1)**~~
~~RETAIL DELIVERY SERVICE~~

TRANSMISSION SERVICE ARRANGEMENTS

Any Customer served under this rate must make its own arrangements for transmission service to the Customer's generating facility for delivery of Station Power. Such arrangements must be made with the appropriate transmission provider(s) pursuant to a tariff or tariffs jurisdictional to the Federal Energy Regulatory Commission (FERC) in order to assure that the Company is not required to account for any load delivered into the Customer's facility for Station Power for transmission billings assessed on the Company pursuant to FERC jurisdictional transmission tariffs applicable to the Company. This transmission service is distinguishable and separate from transmission service or interconnection arrangements that permit the Customer to deliver output from the generating facility into the transmission grid.

ARRANGEMENTS FOR GENERATION SERVICE

Any Customer served under this rate must either (1) establish a settlement account with ISO-New England, Inc., for power supply and must use the settlement account to arrange for any Station Power supply that is not self-supplied at the generating facility or (2) purchase electricity directly from a nonregulated power producer. By electing service under this tariff, the Customer agrees not to take service at any time under the Company's Standard Offer Service Tariff.

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
STATION POWER DELIVERY AND RELIABILITY SERVICE RATE (M-1)
RETAIL DELIVERY SERVICE

OTHER LOW VOLTAGE SERVICE EXCLUDED

Any Customer served under this rate who also is receiving Station Power service or other retail delivery service through a separate distribution feeder that is not associated with the facilities through which the Customer delivers generated electricity into the transmission system must take such delivery service through a separate applicable retail delivery service tariff that is separately metered and established as a separate account.

OTHER FACILITIES EXCLUDED

This rate applies only to Station Power. The Customer may not use this rate to receive or provide power to other non-generation related facilities, the use of which falls outside of the definition of "Station Power", as defined in this rate.

GROSS EARNINGS TAX

A Rhode Island Gross Earnings Tax adjustment will be applied to the charges determined above in accordance with Rhode Island General Laws.

TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

~~Effective: February 1, 2013~~

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
STREET AND AREA LIGHTING – CUSTOMER OWNED EQUIPMENT (S-05)
 RETAIL DELIVERY SERVICE

AVAILABILITY

Street and Area Lighting Service is available under this rate to any municipal city or town, any fire district, any regional school district, any municipal water utility board, Kent County Water Authority, Rhode Island Commerce Corporation, Quonset Development Corporation, Rhode Island Airport Corporation, Narragansett Bay Commission, and the State of Rhode Island (collectively, and each individually, hereinafter referred to as Customer) in accordance with the qualifications and specifications set forth below and all provisions and terms as further defined in applicable attachment agreements.

Customers who have received service under the Company’s General Street and Area Lighting Rate S-14 or Decorative Street and Area Lighting Service Rate S-06 and (1) have purchased street and area lighting facilities, including dedicated poles, standards, or accessories pursuant to R.I.G.L § 39-30-1 *et seq.*; or (2) have otherwise purchased street and area lighting facilities consistent with the requirements described in R.I.G.L § 39-30-1 *et seq.*, shall be served under this rate, provided that the Customer has complied with all provisions and terms of the rates and any related attachment agreements. Service under this rate is contingent upon the execution of a written purchase and sale agreement for the Company’s designated street and area lighting facilities, and dedicated poles, standards or accessories, the completed transfer of title to the facilities from the Company to the Customer, and the execution of and compliance with associated attachment agreements between the Customer and the Company. Any street and area lighting additions, removals, or replacements performed by the Customer shall be served on this tariff provided the Customer is compliant with all terms and provisions of this tariff and attachment agreements, and written notice is provided to the Company.

Service provided under this tariff shall be unmetered. The type of service supplied and delivery service voltage shall be determined by the Company in accordance with the Company’s Specifications for Electrical Installations.

Street and Area Lighting Service under this rate does not include maintenance of street and area lighting equipment owned by the Customer. The Customer shall be responsible for providing maintenance, and absent a separate written contract between the Company and the Customer, the Company shall have no obligation to maintain facilities and equipment owned by the Customer.

STREET AND AREA LIGHTING – CUSTOMER-OWNED EQUIPMENT

RATE

The following are unmetered annual billable kWh delivered values for specific individual light source types functioning on a designated operating schedule for applicable customer-owned street and area lights. These annual billable kWh deliveries for the specified light source type/wattage and operating schedule shall be applied to customer-owned street and area lights that require annual kWh deliveries that are less than or equal to the values indicated below as determined by the Company.

1. Annual Billable kWh Deliveries

Incandescent & High Intensity Discharge (HID) Light Sources:

<u>Light Source Type</u>	<u>Nominal Wattage</u>	<u>Billable Wattage</u>	<u>Continuous</u>	<u>Annual Billable kWh Delivered</u>		
				<u>Dusk-To-Dawn</u>	<u>Dimming-70%</u>	<u>Part-Night-4hr</u>
Incandescent (INC)	105	105	920	438	392	285
	205	205	1,796	856	766	557

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
STREET AND AREA LIGHTING – CUSTOMER OWNED EQUIPMENT (S-05)
 RETAIL DELIVERY SERVICE

~~THE NARRAGANSETT ELECTRIC COMPANY~~
~~STREET AND AREA LIGHTING – CUSTOMER OWNED EQUIPMENT S-05~~
~~RETAIL DELIVERY SERVICE~~

~~RATE (CONTINUED)~~

Incandescent & High Intensity Discharge (HID) Light Sources (continued):

<u>Light Source Type</u>	<u>Nominal Wattage</u>	<u>Billable Wattage</u>	<u>Annual Billable kWh Delivered</u>			
			<u>Continuous</u>	<u>Dusk-To-Dawn</u>	<u>Dimming-70%</u>	<u>Part-Night-4hr</u>
Mercury Vapor (MV)	100	130	1,139	543	486	353
	175	211	1,848	881	789	573
	250	307	2,689	1,282	1,147	834
	400	477	4,179	1,991	1,783	1,295
	1,000	1,095	9,592	4,572	4,092	2,973
Metal Halide (MH)	400	451	3,951	1,883	1,685	1,224
	1,000	1,078	9,443	4,501	4,028	2,927
High Pressure Sodium (HPS)	50	61	534	255	228	166
	70	86	753	359	321	233
	100	118	1,034	493	441	320
	150	173	1,515	722	647	470
	250	304	2,663	1,269	1,136	825
	400	470	4,117	1,962	1,756	1,276

¹ Billable Wattage represents the total luminaire energy consumption including the ballast, control, and other applicable adjustments.

Solid State Lighting (SSL) Sources

Light Source Type: Light Emitting Diode (LED)

<u>Light Source Type</u>	<u>Nominal Wattage² (Range)</u>	<u>Billable Wattage</u>	<u>Annual Billable kWh Delivered</u>			
			<u>Continuous</u>	<u>Dusk-To-Dawn</u>	<u>Dimming-70%</u>	<u>Part-Night-4hr</u>
<u>Light Emitting Diode (LED)</u>	<u>0.1 to 20.0</u>	<u>10</u>	<u>88</u>	<u>42</u>	<u>37</u>	<u>27</u>
	<u>31</u>					
	20.1 to 40.0	30	125	112	81	92
	40.1 to 60.0	50	209	187	136	154
	60.1 to 100.0	80	334	299	217	246
	100.1 to 140.0	120	501	448	326	370

THE NARRAGANSETT ELECTRIC COMPANY
STREET AND AREA LIGHTING – CUSTOMER OWNED EQUIPMENT (S-05)
 RETAIL DELIVERY SERVICE

140.1 to 220.0	180	1,577	752	673	489	<u>554</u>
220.1 to 300.0	260	2,278	1,086	972	706	<u>801</u>

² LED Nominal Wattage includes the total device system wattage (LED array, driver, and control) and applicable adjustments. For billing purposes, a streetlight will be placed on an operating schedule based on the following: (1) if the streetlight’s annual operating hour equivalent is no more than five (5) percent above the closest operating schedule’s annual operating hour equivalent identified below in the Hours of Operation section, the streetlight shall be placed on that operating schedule; or (2) if the streetlight’s annual operating hour equivalent is more than five (5) percent above the closest operating schedule’s annual operating hour equivalent, the streetlight shall be placed on the operating schedule with the next highest annual operating hour equivalent.

2. Other Fees and Charges:

<u>Fee or Charge Type</u>	<u>Charge Amount</u>
Lighting Service Charge	See Terms and Conditions for Distribution Service
Field/Office Survey Charge	See Attachment Agreement for Customer-Owned Street and Area Lighting Attachments

THE NARRAGANSETT ELECTRIC COMPANY
~~STREET AND AREA LIGHTING – CUSTOMER OWNED EQUIPMENT S-05~~
 RETAIL DELIVERY SERVICE

3. Rates for Retail Delivery Service

Customers receiving delivery service under this rate shall be charged the applicable charges contained in the Summary of Retail Delivery Rates, RIPUC No. 2095, as in effect from time to time.

RATE ADJUSTMENT PROVISIONS

The charges for delivery service under this rate shall be subject to adjustment pursuant to the following provisions:

- Customer Credit Provision
- Energy Efficiency Program Provision
- Infrastructure, Safety, and Reliability Provision
- LIHEAP Enhancement Plan Provision
- Long Term Contracting for Renewable Energy Recovery Provision
- Long Term Contracting for Renewable Energy Recovery Reconciliation Provision
- Net Metering Provision
- Pension Adjustment Mechanism Provision
- Performance Incentive Recovery Provision
- Qualifying Facilities Power Purchase Rate

THE NARRAGANSETT ELECTRIC COMPANY
STREET AND AREA LIGHTING – CUSTOMER OWNED EQUIPMENT (S-05)
RETAIL DELIVERY SERVICE

Renewable Energy Growth Program Cost Recovery Provision
Residential Assistance Provision
Revenue Decoupling Mechanism Provision
Standard Offer Service Adjustment Provision
Storm Fund Replenishment Provision
Street Light Metering Pilot Cost Recovery Provision
Transition Cost Adjustment Provision
Transmission Service Cost Adjustment Provision

STANDARD OFFER SERVICE

Any Customer served under this rate who is eligible for Standard Offer Service shall receive such service pursuant to the Standard Offer Service tariff.

GROSS EARNINGS TAX

A Rhode Island Gross Earnings Tax adjustment will be applied to the charges determined above in accordance with Rhode Island General Laws.

DETERMINATION OF MONTHLY BILL

The monthly bill will be based on the following:

1. ENERGY CHARGES

The Energy Charges for customer-owned street and area lighting are determined by multiplying the current energy rates by the aggregation of Billable kWh Delivered for each light per billing period.

Transmission Service Charge Adjustment

The prices under this rate as set forth under “Monthly Charge” may be adjusted from time to time in the manner described in the Company’s Transmission Service Cost Adjustment Provision.

Transition Charge Adjustment

The prices under this rate as set forth under “Monthly Charge” may be adjusted from time to time in the manner described in the Company’s Non-Bypassable Transition Charge Adjustment Provision.

Standard Offer Adjustment

All Customers served on this rate must pay any charges required pursuant to the terms of the Company’s Standard Offer Adjustment Provision, whether or not the Customer is taking or has taken Standard Offer Service.

Energy Efficiency Programs

The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Energy Efficiency Program Provision as from time to time effective in accordance with law.

Infrastructure, Safety and Reliability Provision

The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Infrastructure, Safety and Reliability Provision as from time to time effective in accordance with law.

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
STREET AND AREA LIGHTING – CUSTOMER OWNED EQUIPMENT (S-05)
RETAIL DELIVERY SERVICE

Customer Credit Provision

~~_____The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Customer Credit Provision as from time to time effective in accordance with law.~~

LIHEAP Enhancement Plan Provision

~~_____The amount determined under the preceding provisions shall be adjusted in accordance with the Company's LIHEAP Enhancement Plan Provision as from time to time effective in accordance with law.~~

Revenue Decoupling Mechanism Provision

~~_____The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Revenue Decoupling Mechanism Provision as from time to time effective in accordance with law.~~

R.I.P.U.C. No. 2179
Sheet 4
Canceling R.I.P.U.C. No. 2142

THE NARRAGANSETT ELECTRIC COMPANY

STREET AND AREA LIGHTING – CUSTOMER OWNED EQUIPMENT S-05
RETAIL DELIVERY SERVICE

The monthly billable kWh delivered shall be determined by allocating the Annual Billable kWh Delivered to each month based upon the Monthly Operating Hour Equivalents for lights and Operating Schedule as shown below. Applicable to lights under each Operating Schedule, the sum of the monthly billable kWh delivered for each light equals the annual billable kWh delivered in this tariff. Each month's daily kWh amount is determined from the monthly amount by dividing the monthly kWh by the number of days in the month. The daily kWh amount is multiplied by the actual number of days for each month during the billing period as measured from the prior billing date to the current billing date, and then multiplied by the energy charges per kWh.

Net Metering Provision and Qualifying Facilities Power Purchase Rate

~~_____The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Net Metering Provision and Qualifying Facilities Power Purchase Rate as from time to time effective in accordance with law.~~

Pension Adjustment Mechanism Provision

~~_____The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Pension Adjustment Mechanism Provision as from time to time effective in accordance with law.~~

Hours of Operation

The Customer's street and area lighting may be operated for the hours and at the light level of the Customer's choice. However, for billing purposes all individual street and area lighting sources will be billed on an applicable Operating Schedule based upon the nature of the street and area lighting services as follows:

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
STREET AND AREA LIGHTING – CUSTOMER OWNED EQUIPMENT (S-05)
RETAIL DELIVERY SERVICE

1. Continuous – Street and area lights operate continuously each day of the year, a total of approximately 8,760 hours each year.
2. Dusk-To-Dawn – Street and area lights operate daily at full energy requirements from approximately one-half hour after sunset until approximately one-half hour before sunrise, a total of no greater than 4,175 hours each year.
3. Dimming to 70% – Street and area lights operate daily at full energy consumption from approximately one-half hour after sunset until a time equal to the mid-point of the previous Dusk-To-Dawn service period, then an assumed 30% reduction in wattage and energy requirements for a period of reduced light output not to exceed four hours, as necessary, at which time returning to full energy requirements until approximately one-half hour before sunrise, determined to be a total of 2,715 hours at full energy requirements and 1,460 hours at reduced energy requirements, respectively, for a total annual hourly equivalent of no greater than 3,737 hours each year.
4. Part-Night – Street and area lights operate daily from approximately one-half hour after sunset then turn off at a time equal to the mid-point of the previous Dusk-To-Dawn service period and, as necessary, turn back on four hours later until approximately one-half hour before sunrise, a total of no greater than 2,715 hours each year.
- 4.5. Dimming to 50% – Street and area lights operate daily at full energy consumption from approximately one-half hour after sunset until a time equal to the mid-point of the previous Dusk-To-Dawn service period, then an assumed 50% reduction in wattage and energy requirements for a period of reduced light output not to exceed six hours, as necessary, at which time returning to full energy requirements until approximately one-half hour before sunrise, determined to be a total of 1,985 hours at full energy requirements and 1,095 hours at reduced energy requirements, respectively, for a total annual hourly equivalent of no greater than 3,080 hours each year.

For billing purposes, a streetlight will be placed on an operating schedule based on the following: (1) if the streetlight's annual operating hour equivalent is no more than five (5) percent above the closest operating schedule's annual operating hour equivalent identified below in the Hours of Operation section, the streetlight shall be placed on that operating schedule; or (2) if the streetlight's annual operating hour equivalent is more than five (5) percent above the closest operating schedule's annual operating hour equivalent, the streetlight shall be placed on the operating schedule with the next highest annual operating hour equivalent.

Customers requesting a change in Hours of Operation of a light due to installation or removal of a control device will be required to provide the estimated annual operating hours and energy reduction conditions it anticipates that the control device will provide as defined by the manufacturer's specifications. The Company will assign the Customer to the appropriate Operating Schedule based upon the Customer's light source type, billable wattage and expected annual operating hours.

THE NARRAGANSETT ELECTRIC COMPANY
STREET AND AREA LIGHTING – CUSTOMER OWNED EQUIPMENT S-05
RETAIL DELIVERY SERVICE

THE NARRAGANSETT ELECTRIC COMPANY
STREET AND AREA LIGHTING – CUSTOMER OWNED EQUIPMENT (S-05)
 RETAIL DELIVERY SERVICE

Monthly Operating Hour Equivalents

The Monthly Operating Hour Equivalents provided below represents the equivalent time of full energy deliveries to an individual light following the defined Hours of Operation defined above:

Table of Monthly Operating Hour Equivalents (Hrs)

<u>Month</u>	<u>Days</u>	<u>Continuous</u>	<u>Dusk-To-Dawn</u>	<u>Operating Schedule</u>		
				<u>Dimming-70%</u>	<u>Part-Night-4hr</u>	<u>Dimming-50%</u>
January	31	744	442	401	316	<u>348</u>
February	28	672	367	332	254	<u>282</u>
March	31	744	363	326	238	<u>270</u>
April	30	720	309	273	188	<u>218</u>
May	31	744	280	244	156	<u>187</u>
June	30	720	251	218	132	<u>162</u>
July	31	744	267	233	146	<u>176</u>
August	31	744	301	267	179	<u>210</u>
September	30	720	338	300	218	<u>247</u>
October	31	744	392	353	268	<u>298</u>
November	30	720	418	379	297	<u>328</u>
December	31	744	447	411	323	<u>354</u>
Annual	365	8,760	4,175	3,737	2,715	<u>3,080</u>

2. OTHER FEES AND CHARGES

Individual charges for specific Customer requested services will be identified as adjustments on the bill. The representation of applicable fees associated with specific agreements, or license terms and conditions between the Customer and the Company will be imposed according to the agreements, licenses, or as specified in the Terms and Conditions for Distribution Service and presented as adjustments on the Customer's bill.

INVENTORY OF LIGHTS

The Customer shall be responsible for reporting to the Company the quantity, type of light source, Operating Schedule, type of luminaires by location, and the applicable Customer identification reference for all lights that are operating at any time. The Customer shall provide the Company with a complete listing of all luminaires served under this rate within thirty (30) days following the beginning of each calendar year of all facilities in-service as of December 31 of the preceding calendar year. Such reporting is necessary to ensure that the Company bills the Customer accurately for the cost of distribution, transmission, transition, energy efficiency, and any other applicable delivery service charges and, where appropriate, Standard Offer Service. The Company may perform random confirmation of operating lights in a municipality to ensure the accuracy of such reports. If the Customer fails to meet the referenced reporting requirements or the identification of unreported lights by the Company, the Company will bill the Customer for all charges that would have been billed pursuant to the provisions of the tariff, plus interest charges at a rate of one and one quarter percent per month, from the point in time that the change(s) was estimated to have occurred until the point in time when the change(s) is reflected in the Company's billing system.

THE NARRAGANSETT ELECTRIC COMPANY
STREET AND AREA LIGHTING – CUSTOMER OWNED EQUIPMENT S-05

THE NARRAGANSETT ELECTRIC COMPANY
STREET AND AREA LIGHTING – CUSTOMER OWNED EQUIPMENT (S-05)
RETAIL DELIVERY SERVICE

~~RETAIL DELIVERY SERVICE~~

TERMINATION OF SERVICE

If a Customer that has purchased designated Company street and area lighting facilities subsequently chooses to terminate the service provided by the Company under this tariff, the Customer must provide six months advance written notice of such termination.

TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where applicable hereto and not inconsistent with any specific provisions hereof, are a part of this rate.

Effective: June 1, 2017

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)
RETAIL DELIVERY SERVICE

AVAILABILITY

Service is available under this rate for full service, underground served, decorative street and area lighting applications owned by the Company to any Customer, inclusive of municipalities, governmental entity, or other public authority, hereinafter referred to as Customer in accordance with the qualifications and the specifications hereinafter set forth:

1. For municipal-owned or accepted roadways, including those classified as “private areas”, for which the municipal Customer has agreed to supply street and area lighting service.
2. Service under this rate is available to any Customer where the decorative street and area lighting facilities can be provided underground delivery service from existing secondary voltage circuits within a radial distance not to exceed 20 feet. For circumstances requiring underground delivery service in excess of 20 feet, the Customer is responsible to compensate the Company for such excess as a contribution in aid of construction in accordance with all applicable Company policies.
3. Service under this rate is contingent upon Company ownership and maintenance of the underground delivery service supplied decorative street and area lighting facilities.
4. Service under this rate is not available for locations inaccessible by standard Company motorized equipment, limited access highways, bridges, tunnels and the access and egress ramps thereto.
5. Service under this rate is available to a private contractor, developer, or association of customers, wherein the municipality has agreed in writing to accept responsibility for future payment of such lights upon acceptance of applicable streets and areas.
6. In applications where revenue from the planned decorative street and area lighting facilities will be insufficient to compensate for the excessive incremental installation costs associated with, but not limited to, rock excavation or hardscape restoration, the Company, at its sole discretion, may elect not to provide decorative street lighting service or the Customer agrees to compensate the Company for the incremental installation costs as a contribution in aid of construction in accordance with all applicable Company policies.
7. The permanent discontinuance of Decorative Street and Area Lighting Service is available under this tariff to any Customer that has complied with all provisions and terms of this tariff, any related service agreements and has requested permanent discontinuance, whereas, such discontinuance is the cessation of this tariff service and constitutes the complete removal or in-place retirement of the Company’s facilities at the location at which this service is discontinued. Permanent discontinuance of service is further described below.
8. The management of vegetation and/or other adjacent physical conditions which obstruct the normal distribution of light from the specified decorative street and area lighting facilities is the responsibility of the Customer.
9. At the request of the Customer, the Company shall take reasonable actions to procure and install the necessary ancillary equipment, including but not limited to shields, visors, louvers and protective devices, for the purpose of providing special control of light distribution or vandal prevention of the facilities,

THE NARRAGANSETT ELECTRIC COMPANY
DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)
 RETAIL DELIVERY SERVICE

provided all ancillary equipment costs and associated service charges are the responsibility of the Customer.

R.I.P.U.C. No. 2166
 Sheet 2
 Canceling R.I.P.U.C. No. 2110

~~THE NARRAGANSETT ELECTRIC COMPANY~~
~~DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)~~
~~RETAIL DELIVERY SERVICE~~

I. DECORATIVE STREET AND AREA LIGHTING - FULL SERVICE RATE

The annual charges are applicable to all active or closed decorative street and area lighting facilities that have not been discontinued, permanently or temporarily, at the request of the Customer.

1. Luminaire Charges:

An annual charge as enumerated in RIPUC No. 2095, Summary of Retail Delivery Rates, Sheet 3, includes luminaire, lamp, photoelectric control and all other components to facilitate its operation. The annual charge per luminaire type twin reflects two (2) luminaire assemblies and a post top decorative twin cross arm.

<u>Lamp Type</u>				
<u>Luminaire Type</u>	<u>Lumen</u>	<u>Nominal</u>		<u>Annual</u>
<u>Luminaire Style</u>	<u>Rating</u>	<u>Wattage</u>	<u>Description</u>	<u>kWh</u>

High Pressure Sodium Vapor

Decorative Post Top

Traditional	4,000	50	DEC HPS TR 50W	255
Traditional	9,600	100	DEC HPS TR 100W	493
Aspen Grove	4,000	50	DEC HPS AG 50W	255
Aspen Grove	9,600	100	DEC HPS AG 100W	493
Williamsville	4,000	50	DEC HPS WL 50W	255
Williamsville	9,600	100	DEC HPS WL 100W	493

Decorative Post Top - Twin

Traditional	4,000	50	DEC HPS TR-TW 50W	510
Traditional	9,600	100	DEC HPS TR-TW 100W	986
Aspen Grove	4,000	50	DEC HPS AG-TW 50W	510
Aspen Grove	9,600	100	DEC HPS AG-TW 100W	986
Williamsville	4,000	50	DEC HPS WL-TW 50W	510
Williamsville	9,600	100	DEC HPS WL-TW 100W	986

Light Emitting Diode ("LED")

THE NARRAGANSETT ELECTRIC COMPANY
DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)
 RETAIL DELIVERY SERVICE

Decorative Post Top				
Traditional	5,000	60	DEC LED TR 60W	255
Decorative Post Top – Twin				
Traditional	5,000	60	DEC LED TR-TW 60W	510

The Company shall use its best efforts to replace existing luminaire with LED luminaire within a reasonable
 R.I.P.U.C. No. ~~2166~~
 Sheet 3
 Canceling R.I.P.U.C. No. ~~2110~~

~~THE NARRAGANSETT ELECTRIC COMPANY~~
~~**DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)**~~
~~RETAIL DELIVERY SERVICE~~

length of time after receipt of the written notice requesting such replacement. Depending upon the number of street and area lighting facilities to be replaced with LED luminaires and the availability of the Company’s crews, the Company may limit the quantity of LED replacements to ten (10) percent per account per calendar year to allow for efficient operations. The Company reserves the right to be flexible in responding to the Customer’s request. However, the Company shall complete all requests according to a mutually accepted schedule between the Customer and the Company upon receipt of written notice.

2. Support and Accessory Charges:

An additional annual charge as enumerated in RIPUC No. 2095, Summary of Retail Delivery Rates, Sheet 3, will be applied to each luminaire type as stated in Section 1 – Luminaire Charges where the Company is requested to furnish a suitable decorative standard, foundation or other accessory and applicable underground delivery service as identified below, for the sole purpose of supporting a luminaire assembly.

Service Type

Support Type
Standard Style

Description

Underground Service

Decorative Standard

Villager with Foundation

DEC VILL PT/FDN

Washington with Foundation

DEC WASH PT/FDN

Accessory Type

None

3. Other Fees and Charges:

Additional fees or charges as enumerated below in the schedule of fee and charge prices will be applied per unit application pursuant to applicable Customer requests and/or in association with terms and conditions of separate agreements specific to attachments to the foregoing support types as stated in Section 2 – Support and Accessory Charges. Applicable Lighting Service Charges are assessed where the Company is requested by the Customer to

THE NARRAGANSETT ELECTRIC COMPANY
DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)
RETAIL DELIVERY SERVICE

provide an individual site visit for the purpose of; investigation and determination of operational malfunction, preventative or proactive maintenance to address vandalism or lighting control, the performance of other specified services, or other such actions which, unless requested by the Customer would otherwise have not been warranted. A charge will not be assessed if, in the sole discretion of the Company, the conditions which created the need for the Customer request were determined to be the result of Company facilities or systems. Applicable fees are assessed on a regular billing schedule based on the terms and conditions of the agreement or license from which they are specified.

<u>Fee or Charge Type</u>	<u>Charge Amount</u>
Lighting Service Charge	See Terms and Conditions for Distribution Service

R.I.P.U.C. No. 2166
Sheet 4
Canceling R.I.P.U.C. No. 2110

THE NARRAGANSETT ELECTRIC COMPANY
DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)
RETAIL DELIVERY SERVICE

RATE ADJUSTMENT PROVISIONS

The charges for delivery service under this rate shall be subject to adjustment pursuant to the following provisions:

- Customer Credit Provision
- Energy Efficiency Program Provision
- Infrastructure, Safety, and Reliability Provision
- LIHEAP Enhancement Plan Provision
- Long Term Contracting for Renewable Energy Recovery Provision
- Long Term Contracting for Renewable Energy Recovery Reconciliation Provision
- Net Metering Provision
- Pension Adjustment Mechanism Provision
- Performance Incentive Recovery Provision
- Qualifying Facilities Power Purchase Rate
- Renewable Energy Growth Program Cost Recovery Provision
- Residential Assistance Provision
- Revenue Decoupling Mechanism Provision
- Standard Offer Service Adjustment Provision
- Storm Fund Replenishment Provision
- Street Light Metering Pilot Cost Recovery Provision
- Transition Cost Adjustment Provision
- Transmission Service Cost Adjustment Provision

STANDARD OFFER SERVICE

Any Customer served under this rate who is eligible for Standard Offer Service shall receive such service pursuant to the Standard Offer Service tariff.

THE NARRAGANSETT ELECTRIC COMPANY
DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)
 RETAIL DELIVERY SERVICE

GROSS EARNINGS TAX

A Rhode Island Gross Earnings Tax adjustment will be applied to the charges determined above in accordance with Rhode Island General Laws.

HOURS OF OPERATION

All decorative street and area lights will be operated through the use of a photoelectric device nightly from approximately one-half hour after sunset until approximately one-half hour before sunrise, referred to as dusk-to-dawn, a total of approximately 4,175 hours each year.

Transmission Service Charge Adjustment

The prices under this rate as set forth under "Monthly Charge" may be adjusted from time to time in the manner described in the Company's Transmission Service Cost Adjustment Provision.

Transition Charge Adjustment

The prices under this rate as set forth under "Monthly Charge" may be adjusted from time to time in the manner described in the Company's Non-Bypassable Transition Charge Adjustment Provision.

Standard Offer Adjustment

— All Customers served on this rate must pay any charges required pursuant to the terms of the Company's Standard Offer Adjustment Provision, whether or not the Customer is taking or has taken Standard Offer Service.

Energy Efficiency Programs

The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Energy Efficiency Program Provision as from time to time effective in accordance with law.

Infrastructure, Safety and Reliability Provision

The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Infrastructure, Safety and Reliability Provision as from time to time effective in accordance with law.

Customer Credit Provision

— The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Customer Credit Provision as from time to time effective in accordance with law.

LIHEAP Enhancement Plan Provision

— The amount determined under the preceding provisions shall be adjusted in accordance with the Company's LIHEAP Enhancement Plan Provision as from time to time effective in accordance with law.

Revenue Decoupling Mechanism Provision

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)
RETAIL DELIVERY SERVICE

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Revenue Decoupling Mechanism Provision as from time to time effective in accordance with law.~~

Net Metering Provision and Qualifying Facilities Power Purchase Rate

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Net Metering Provision and Qualifying Facilities Power Purchase Rate as from time to time effective in accordance with law.~~

DETERMINATION OF MONTHLY BILL FOR DECORATIVE STREET AND AREA LIGHTING

The monthly bill will be based on the following:

1. Facility Charges

The Luminaire Charges and the Support and Accessory Charges will be based on the annual rates above divided by the number of days in the calendar year to arrive at a daily rate and multiplied by the actual number of days in the billing period as measured from the date immediately following the prior bill to the current bill date.

R.I.P.U.C. No. 2166
Sheet 5
Canceling R.I.P.U.C. No. 2110

THE NARRAGANSETT ELECTRIC COMPANY
DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)

RETAIL DELIVERY SERVICE

Pension Adjustment Mechanism Provision

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Pension Adjustment Mechanism Provision as from time to time effective in accordance with law.~~

2. Energy Charges

Charges per kWh will be based on the annual kWh per luminaire. The monthly kWh amount shall be determined by allocating the number of annual operating hours for lights among the months as shown below. The sum of the monthly kWh for each light equals the annual kWh in this tariff. A daily kWh amount is determined from the monthly amount by dividing monthly kWh by the number of days in a month. The daily kWh amount is multiplied by the actual number of days for each calendar month during the billing period as measured from the date immediately following the prior bill to the current bill date and then multiplied by the charge per kWh.

Monthly Operating Hours

January	442	July	267
February	367	August	301
March	363	September	338
April	309	October	392
May	280	November	418
June	251	December	447

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)
RETAIL DELIVERY SERVICE

3. Other Fees and Charges

Individual charges for specific Customer requested services will be identified as adjustments on the bill. The representation of applicable fees associated with specific agreement or license terms and conditions between the Customer and the Company will be imposed according to the agreements, licenses, or as specified in the Terms and Conditions for Distribution Service and presented as adjustments on the Customer's bill.

EXCESSIVE DAMAGE

Excessive damage due to wanton or malicious acts will be charged to the Customer at the actual cost of labor and material required to repair or replace the unit. Excessive damage is defined as any lighting facility component such as pole, standard, luminaire or conductors, being broken or damaged more than once in a twelve month period. Notification of excessive damage will be made to the Customer by the Company prior to billing for repairs.

ATTACHMENTS

The Company has exclusive rights of ownership of the facilities defined within this tariff and reserves the privilege and sole discretion to permit the use of such facilities for the support and physical attachment of other, non-company owned equipment under the terms and conditions of a separate agreement or license. The Company may, at its sole discretion, provide electric delivery service as applicable under another tariff. The Company will have no responsibility for the attachments except as defined in the separate agreement or license. The attachment will not adversely impact the street and area lighting as defined within this tariff.

R.I.P.U.C. No. 2166
Sheet 6
Canceling R.I.P.U.C. No. 2110

THE NARRAGANSETT ELECTRIC COMPANY
DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)
RETAIL DELIVERY SERVICE

RELAMPING

All inoperable lamps and/or photoelectric controls which are owned and maintained by the Company will be spot replaced. The Customer is responsible for notifying the Company of malfunctioning lights.

FAILURE OF LIGHTS TO OPERATE

Should any decorative light or lights, which are owned and maintained by the Company, fail to operate the full period provided therefore, except as hereinafter specified, a deduction will be made from the charges under this rate, other than the Support and Accessory Charge, for such light or lights, upon presentation of a claim therefore from the Customer, equivalent to such part of the annual price thereof, as is equal to the ratio that the time of any

THE NARRAGANSETT ELECTRIC COMPANY
DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)
 RETAIL DELIVERY SERVICE

outage bears to the annual operating time of such light or lights. The provisions of this paragraph will apply only if such failure is due to some cause or condition which might reasonably have been prevented by the Company and without limiting the generality of the foregoing will not apply in case such failure is due to an act of nature or an act or order of any public authority or accidental or malicious breakage; provided, however, that in the latter case the necessary repairs are made with reasonable dispatch upon notification by the Customer.

LOCATION OF DECORATIVE STREET AND AREA LIGHTS

The Customer bears sole responsibility for determining where decorative street and area lights will be placed and the type of lamp/luminaire used at each location. The Company bears no responsibility for, and makes no representations or warranties concerning, the locations and lamps/linaires selected by the Customer or the adequacy of the resulting lighting. The Customer, by requesting and accepting service under this rate, hereby shall provide, grant and confer to the Company, all necessary easement, rights-of-way and/or consent rights and privileges as is necessary to provide such service in a manner satisfactory to the Company. All applicable permits, fees and/or other charges by others associated with the facilitation of service under this rate are the responsibility of the Customer.

RELOCATION OF DECORATIVE LIGHTING FACILITIES

A Customer may request the relocation of existing decorative street and area lighting facilities, owned by the Company, to another Customer specified location which meets all aforementioned terms and conditions of this tariff. The Customer will be responsible for all costs associated with the relocation as determined by the Company including but not limited to the removal/retirement costs of non-transferable facilities, the installation of new facilities as required, the relocation of existing facilities, any electric system reconfiguration and all site restoration. The relocated facilities will continue to be billed under the Customer account as originally represented prior to relocation.

DISCLAIMER OF LIABILITY

The Company's duties and obligations under this tariff extend only to the Customer, and not to any third parties. The Company does not assume and specifically disclaims any liability to third parties arising out of the Company's obligations to the Customer under this section.

R.I.P.U.C. No. 2166

Sheet 7

Canceling R.I.P.U.C. No. 2110

~~THE NARRAGANSETT ELECTRIC COMPANY
 DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)
 RETAIL DELIVERY SERVICE~~

PERMANENT DISCONTINUANCE OF LIGHTING FACILITIES

A Customer may permanently discontinue decorative street and area lighting facilities, owned by the Company, at no cost to the Customer, limited to a quantity not to exceed one (1) percent of the total number of decorative lighting assemblies assigned to the Customer's billing account under this tariff within the given calendar year. The request by a Customer for the permanent discontinuance of decorative street and area lighting in excess of one (1) percent as stated above may be performed by mutual agreement upon payment by the Customer to the

THE NARRAGANSETT ELECTRIC COMPANY
DECORATIVE STREET AND AREA LIGHTING SERVICE (S-06)
RETAIL DELIVERY SERVICE

Company in an amount equal to the sum of the unamortized balance of the original installation costs, removal or restoration costs and any street light system reconfiguration costs to maintain all other active lights.

TERM OF AGREEMENT

The initial term of agreement for Decorative Street and Area Lighting service under this tariff is two (2) years. Upon expiration of the initial term, the agreement will be continuously renewed until such time as either party has given to the other written notice, not less than six (6) months prior to the date on which the party desires to have the agreement terminated.

TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where applicable hereto and not inconsistent with any specific provisions hereof, are a part of this rate.

Effective: January 1, 2017

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
RETAIL DELIVERY SERVICE

AVAILABILITY

Private lighting and floodlighting service under this rate is restricted to those locations having existing service on the effective date of this service offering. No new or additional private lighting customers are permitted on this rate, except for a new private lighting customer at a location that was previously served under this rate may request continuation of service under this rate provided that the request is made within a reasonable time of the new customer occupying the service location and the lighting facilities have not otherwise been removed by the Company.

1. Service under this rate is available where the necessary lighting facilities can be supported on the Company's existing utility infrastructure and provided delivery service at the appropriate secondary voltage, or as necessary, additional wood poles may be furnished in place in accordance with the schedule of Support and Accessory Charges listed below under RATE, Section 2, provided no such pole is more than one span from an existing overhead secondary facility.
2. Service under this rate is available where the selected Company lighting facilities require underground delivery service at the appropriate secondary voltage and are within a radial distance not to exceed 20 feet. In circumstances requiring underground delivery service in excess of 20 feet, the Customer is responsible to compensate the Company for such excess as a contribution in aid of construction in accordance with all applicable Company policies.
3. Service under this rate is contingent upon Company ownership and maintenance of street and area lighting facilities.
4. Service under this rate is not available for locations inaccessible by standard Company motorized equipment, limited access highways, bridges, tunnels and the access and egress ramps thereto.
5. In applications where revenue from the planned street and area lighting facilities will be insufficient to compensate for the excessive incremental installation costs associated with, but not limited to, rock excavation or hardscape restoration, the Company, at its sole discretion, may elect not to provide private lighting service or the Customer agrees to compensate the Company for the incremental costs as a contribution in aid of construction in accordance with all applicable Company policies.
6. The management of vegetation and/or other adjacent physical conditions which obstruct the normal distribution of light from the specified street and area lighting facilities is the responsibility of the Customer.
7. At the request of the Customer, the Company shall take reasonable actions to procure and install the necessary ancillary equipment, including but not limited to shields, visors, louvers and protective devices, for the purpose of providing special control of light distribution or vandal prevention of the facilities, provided all ancillary equipment costs and associated service charges are the responsibility of the Customer.
8. Customers receiving private area lighting service under this rate may request the addition, change or replacement of lighting facilities at the existing service location with facilities available as of the effective date of this tariff. The Company shall take reasonable actions to facilitate the Customer's request following all applicable provisions of this tariff.

THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
 RETAIL DELIVERY SERVICE

R.I.P.U.C. No. 2167
 Sheet 2
 Canceling R.I.P.U.C. No. 2111

~~THE NARRAGANSETT ELECTRIC COMPANY~~
~~**LIMITED SERVICE - PRIVATE LIGHTING (S-10)**~~
~~RETAIL DELIVERY SERVICE~~

RATE

The annual charges enumerated in RIPUC No. 2095, Summary of Retail Delivery Rates, Sheet 3, are applicable to all street and area lighting facilities:

1. Luminaire Charges:

<u>Lamp Type</u>	<u>Luminaire Type</u>	<u>Lumen Rating</u>	<u>Nominal Wattage</u>	<u>Annual Description</u>	<u>kWh</u>
<u>Incandescent*</u>	Roadway	1,000*	105	LUM INC RWY 105W	443
<u>Mercury Vapor*</u>	Roadway	4,400*	100	LUM MV RWY 100W	543
		8,500*	175	LUM MV RWY 175W	881
		23,000*	400	LUM MV RWY 400W	1,991
		63,000*	1,000	LUM MV RWY 1000W	4,572
	Floodlight	23,000*	400	LUM MV FLD 400W	1,991
		63,000*	1,000	LUM MV FLD 1000W	4,572
<u>High Pressure Sodium Vapor</u>	Roadway	4,000	50	LUM HPS RWY 50W	255
		6,300	70	LUM HPS RWY 70W	359
		9,600	100	LUM HPS RWY 100W	493
		16,000	150	LUM HPS RWY 150W	722
		27,500	250	LUM HPS RWY 250W	1,269
		50,000	400	LUM HPS RWY 400W	1,962
	Wallighter	27,500 (24 hr)	250	WALL HPS 250W 24 HR	2,663
	Floodlight	27,500	250	LUM HPS FLD 250W	1,269
		50,000	400	LUM HPS FLD 400W	1,962

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
 RETAIL DELIVERY SERVICE

Post Top	4,000*	50	LUM HPS POST 50W	255
	9,600*	100	LUM HPS POST 100W	493
Shoebox	9,600*	100	LUM HPS REC 100W-C1	493
Metal Halide				
Floodlight	32,000	400	LUM MH FLD 400W	1,883
	107,800*	1,000	LUM MH FLD 1000W	4,502

~~THE NARRAGANSETT ELECTRIC COMPANY~~
~~**LIMITED SERVICE - PRIVATE LIGHTING (S-10)**~~
~~RETAIL DELIVERY SERVICE~~

RATE (Continued)Lamp Type

<u>Luminaire Type</u>	<u>Lumen Rating</u>	<u>Nominal Wattage</u>	<u>Annual Description</u>	<u>kWh</u>
Metal Halide				
Floodlight	32,000	400	LUM MH FLD 400W	1,883
	107,800*	1,000	LUM MH FLD 1000W	4,502

Light Emitting Diode ("LED")

Roadway

	2,000	20	LUM LED RWY 20W	88
	2,700	30	LUM LED RWY 30W	130
	5,000	60	LUM LED RWY 60W	255
	13,000	140	LUM LED RWY 140W	589
	25,000	275	LUM LED RWY 275W	1,153
Post Top	5,000	60	LUM LED POST 60W	255

The Company shall use its best efforts to replace existing luminaires with LED luminaires within a reasonable length of time after receipt of the written notice requesting such replacement. Depending upon the number of street and area lighting facilities to be replaced with LED luminaires and the availability of the Company's crews, the Company may limit the quantity of LED replacements to ten (10) percent per account per calendar year to allow for efficient operations. The Company reserves the right to be flexible in responding to the

THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
 RETAIL DELIVERY SERVICE

Customer's request. However, the Company shall complete all requests according to a mutually accepted schedule between the Customer and the Company upon receipt of written notice. Requests for LED luminaires are also limited to the replacement of existing luminaires at existing locations per the availability of this tariff.

* No further installation or replacement of the designated luminaires will take place after the effective date of this rate.

2. Support and Accessory Charge

An additional annual charge as enumerated in RIPUC No. 2095, Summary of Retail Delivery Rates, Sheet 3, will be applied to each luminaire type as stated in Section 1 – Luminaire Charges where the Company is requested to furnish a suitable wood pole, standard, foundation or other accessory and applicable delivery service as identified below, for the sole purpose of supporting a luminaire assembly.

<u>Service Type</u>	<u>Description</u>
<u>Support Type</u>	
<u>Overhead Service</u>	
<u>Non-Distribution Pole</u>	
Wood Pole	POLE-WOOD

RATE (Continued)

<u>Service Type</u>	<u>Description</u>
<u>Support Type</u>	
<u>Underground Service</u>	
<u>Non-Metallic Standard</u>	
Fiberglass without Foundation*	POLE FIBR PT EMB<25
Fiberglass with Foundation <25 ft.	POLE FIBER RWY <25'

R.I.P.U.C. No. 2167
 Sheet 4
 Canceling R.I.P.U.C. No. 2111

THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
 RETAIL DELIVERY SERVICE

RATE (Continued)

<u>Service Type</u>	<u>Description</u>
<u>Support Type</u>	
<u>Underground Service</u>	

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
 RETAIL DELIVERY SERVICE

Non Metallic Standard (continued)

Fiberglass with Foundation =>25 ft. POLE FIBER RWY =>25

Metallic Standard

Metallic with Foundation POLE METAL =>25FT

Accessory Type

None

3. Other Fees and Charges

Additional fees or charges will be applied per unit application pursuant to applicable Customer requests and/or in association with terms and conditions of separate agreements specific to attachments to the foregoing support types as stated in Section 2 – Support and Accessory Charges. Applicable Lighting Service Charges are assessed where the Company is requested by the Customer to provide an individual site visit for the purpose of; investigation and determination of operational malfunction, preventative or proactive maintenance to address vandalism or lighting control, the performance of other specified services, or other such actions which, unless requested by the Customer would otherwise have not been warranted. A charge will not be assessed if, in the sole discretion of the Company, the conditions which created the need for the Customer request were determined to be the result of the Company facilities or systems. Applicable fees are assessed on a regular billing schedule based on the terms and conditions of the agreement or license from which they are specified.

Fee or Charge Type

Charge Amount

Lighting Service Charge

See Terms and Conditions for Distribution Service

R.I.P.U.C. No. 2167

Sheet 5

Canceling R.I.P.U.C. No. 2111

THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
 RETAIL DELIVERY SERVICE

RATE ADJUSTMENT PROVISIONS

The charges for delivery service under this rate shall be subject to adjustment pursuant to the following provisions:

Customer Credit Provision

Energy Efficiency Program Provision

Infrastructure, Safety, and Reliability Provision

LIHEAP Enhancement Plan Provision

Long Term Contracting for Renewable Energy Recovery Provision

Long Term Contracting for Renewable Energy Recovery Reconciliation Provision

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
RETAIL DELIVERY SERVICE

Net Metering ProvisionPension Adjustment Mechanism ProvisionPerformance Incentive Recovery ProvisionQualifying Facilities Power Purchase RateRenewable Energy Growth Program Cost Recovery ProvisionResidential Assistance ProvisionRevenue Decoupling Mechanism ProvisionStandard Offer Service Adjustment ProvisionStorm Fund Replenishment ProvisionStreet Light Metering Pilot Cost Recovery ProvisionTransition Cost Adjustment ProvisionTransmission Service Cost Adjustment ProvisionStandard Offer Adjustment

All Customers served on this rate must pay any charges required pursuant to the terms of the Company's Standard Offer Adjustment Provision, whether or not the Customer is taking or has taken Standard Offer Service.

Energy Efficiency Programs

The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Energy Efficiency Program Provision as from time to time effective in accordance with law.

Infrastructure, Safety and Reliability Provision

The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Infrastructure, Safety and Reliability Provision as from time to time effective in accordance with law.

Customer Credit Provision

— The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Customer Credit Provision as from time to time effective in accordance with law.

LIHEAP Enhancement Plan Provision

— The amount determined under the preceding provisions shall be adjusted in accordance with the Company's LIHEAP Enhancement Plan Provision as from time to time effective in accordance with law.

Revenue Decoupling Mechanism Provision

The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Revenue Decoupling Mechanism Provision as from time to time effective in accordance with law.

Net Metering Provision and Qualifying Facilities Power Purchase Rate

The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Net Metering Provision and Qualifying Facilities Power Purchase Rate as from time to time effective in accordance with law.

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
 RETAIL DELIVERY SERVICE

Pension Adjustment Mechanism Provision

The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Pension Adjustment Mechanism Provision as from time to time effective in accordance with law.

STANDARD OFFER SERVICE

Any Customer served under this rate who is eligible for Standard Offer Service shall receive such service pursuant to the Standard Offer Service tariff.

GROSS EARNINGS TAX

A Rhode Island Gross Earnings Tax adjustment will be applied to the charges determined above in accordance with Rhode Island General Laws.

HOURS OF OPERATION

All lights shall be operated through the use of a photoelectric device nightly from approximately one-half hour after sunset until approximately one-half hour before sunrise, a total of approximately 4,175 hours each year.

DETERMINATION OF MONTHLY BILL FOR LIMITED SERVICE – PRIVATE LIGHTING

The monthly bill will be based on the following:

1. Facility Charges

The Luminaire Charges and the Support and Accessory Charges will be based on the annual rates above divided by the number of days in the calendar year to arrive at a daily rate and multiplied by the actual number of days in the billing period as measured from the date immediately following the prior bill to the current bill date.

R.I.P.U.C. No. 2167

Sheet 6

Canceling R.I.P.U.C. No. 2111

~~THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
 RETAIL DELIVERY SERVICE~~

2. Energy Charges

Charges per kWh will be based on the annual kWh per luminaire above. The monthly kWh amount shall be determined by allocating the number of annual operating hours for lights among the months as shown below. The sum of the monthly kWh for each light equals the annual kWh in this tariff. A daily kWh amount is determined from the monthly amount by dividing the monthly kWh by the number of days in a month. The daily kWh amount is multiplied by the actual number of days for each calendar month during the billing period as measured from the date immediately following the prior bill to the current bill date and then multiplied by the charge per kWh.

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
RETAIL DELIVERY SERVICE

Monthly Operating Hours

January	442	July	267
February	367	August	301
March	363	September	338
April	309	October	392
May	280	November	418
June	251	December	447

3. Other Fees and Charges

Individual charges for specific Customer requested services will be identified as adjustments on the bill. The representation of applicable fees associated with specific agreement or license terms and conditions between the Customer and the Company will be imposed according to the agreements, licenses, or as specified in the Terms and Conditions for Distribution Service and presented as adjustments on the Customer's bill.

EXCESSIVE DAMAGE

Excessive damage due to wanton or malicious acts shall be charged to the Customer at the actual cost of labor and material required to repair or replace the unit. Excessive damage is defined as any lighting facility component such as wood pole, standard, lamp, luminaire, accessory or conductors, being broken or damaged more than once in a twelve month period. Notification of excessive damage will be made to the Customer by the Company prior to billing for repairs.

ATTACHMENTS

The Company has exclusive rights of ownership of the facilities defined within this tariff and reserves the privilege and sole discretion to permit the use of such facilities for the support and physical attachment of other, non-company owned equipment under the terms and conditions of a separate agreement or license. The Company may, at its sole discretion, provide electric delivery service as applicable under another tariff. The Company will have no responsibility for the attachments except as defined in the separate agreement or license. The attachment will not adversely impact the street and area lighting as defined within this tariff.

R.I.P.U.C. No. ~~2167~~
Sheet 7
Canceling R.I.P.U.C. No. ~~2111~~

THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
RETAIL DELIVERY SERVICE

RELAMPING

All inoperable lamps and/or photoelectric controls which are owned and maintained by the Company will be spot replaced. The Customer is responsible for notifying the Company of malfunctioning lights.

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
 RETAIL DELIVERY SERVICE

FAILURE OF LIGHTS TO OPERATE

Should any light or lights, which are owned and maintained by the Company, fail to operate the full period provided therefore, except as hereinafter specified, a deduction will be made from the charges under this rate, other than the Support and Accessory Charge, for such light or lights, upon presentation of a claim therefore from the Customer, equivalent to such part of the annual price thereof, as is equal to the ratio that the time of any outage bears to the annual operating time of such light or lights. The provisions of this paragraph will apply only if such failure is due to some cause or condition which might reasonably have been prevented by the Company and without limiting the generality of the foregoing will not apply in case such failure is due to an act of nature or an act or order of any public authority or accidental or malicious breakage; provided, however, that in the latter case the necessary repairs are made with reasonable dispatch upon notification by the Customer.

LOCATION OF STREET AND AREA LIGHTS

The Customer bears sole responsibility for determining where street and area lights will be placed and the type of lamp/luminaire used at each location. The Company bears no responsibility for, and makes no representations or warranties concerning, the locations and lamps/ luminaires selected by the Customer or the adequacy of the resulting lighting. The Customer, by requesting and accepting service under this rate, hereby shall provide, grant and confer to the Company, all necessary easement, rights-of-way and/or consent rights and privileges as is necessary to provide such service in a manner satisfactory to the Company. All applicable permits, fees and/or other charges by others associated with the facilitation of service under this rate are the responsibility of the Customer.

RELOCATION OF LIGHTING FACILITIES

A Customer may request the relocation of existing street and area lighting facilities, owned by the Company, to another Customer specified location which meets all aforementioned terms and conditions of this tariff. The Customer will be responsible for all costs associated with the relocation as determined by the Company including but not limited to the removal/retirement costs of non-transferable facilities, the installation of new facilities as required, the relocation of existing facilities, any electric system reconfiguration and all site restoration. The relocated facilities will continue to be billed under the Customer account as originally represented prior to relocation.

R.I.P.U.C. No. 2167

Sheet 8

Canceling R.I.P.U.C. No. 2111

~~THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
 RETAIL DELIVERY SERVICE~~

DISCLAIMER OF LIABILITY

The Company's duties and obligations under this tariff extend only to the Customer, and not to any third parties. The Company does not assume and specifically disclaims any liability to third parties arising out of Company's obligations to Customer under this section.

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
LIMITED SERVICE - PRIVATE LIGHTING (S-10)
RETAIL DELIVERY SERVICE

TERM OF AGREEMENT

The initial term of agreement for Private Lighting service under this tariff is two (2) years. Upon expiration of the initial term, the agreement will be continuously renewed until such time as either party has given to the other written notice, not less than six (6) months prior to the date on which the party desires to have the agreement terminated.

TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where applicable hereto and not inconsistent with any specific provisions hereof, are a part of this rate.

~~Effective: January 1, 2017~~

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
RETAIL DELIVERY SERVICE

AVAILABILITY

General Street and Area Lighting Service is available under this rate to any city, town, governmental entity, or other public authority hereinafter referred to as the Customer, in accordance with the provisions and the specifications hereinafter set forth:

1. For municipal-owned or accepted roadways, including those classified as "private areas" for which a municipal Customer has agreed to supply street and area lighting service.
2. Service under this rate is contingent upon Company ownership and maintenance of street and area lighting facilities.
3. Service under this rate is not available for locations inaccessible by standard Company motorized equipment, limited access highways, bridges, tunnels and the access and egress ramps thereto.
4. Service under this rate is available to a private contractor, developer, or association of customers, wherein the municipality has agreed in writing to accept responsibility for future payment of such lights upon acceptance of applicable streets and areas.
5. Street and area lighting is available under this rate to any Customer where the necessary luminaires can be supported on the Company's existing poles and where such service can be supplied directly from existing secondary voltage circuits. Where the necessary luminaires cannot be supported on existing utility infrastructure, wood poles may be furnished in place in accordance with the schedule of Support and Accessory Charges listed below under RATE, Section 2, provided no such pole is more than one span from an existing secondary distribution facility.
6. In applications where revenue from the planned street or area lighting facilities will be insufficient to compensate for the excessive incremental installation costs associated with, but not limited to, rock excavation or hardscape restoration, the Company, at its sole discretion, may elect not to provide street or area lighting service or the Customer agrees to compensate the Company for the incremental installation costs as a contribution in aid of construction in accordance with all applicable Company policies.
7. Temporary Turn Off Service under this tariff is available to any municipal Customer that has requested to temporarily discontinue street and area lighting service received under this rate. Temporary Turn Off Service under this tariff provides for the Company's lighting facilities to remain in place in anticipation of reinstatement of General Street and Area Lighting – Full Service. The Customer shall be allowed to temporarily turn off General Street and Area Lighting – Full Service and will be billed under this tariff in accordance with the Temporary Turn Off Service provision included in this tariff, provided that the Customer has complied with all provisions and terms of the Company's General Street and Area Lighting – Full Service provision of this tariff and any related service agreements.
8. The permanent discontinuance of General Street and Area Lighting Service is available under this tariff to any Customer that has complied with all provisions and terms of this tariff, any related service agreements and has requested permanent discontinuance, whereas, such discontinuance is the cessation of this tariff service and constitutes the complete removal or in-place retirement of the Company's facilities at the location at which this service is discontinued. Permanent discontinuance of service is further described below.

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE

R.I.P.U.C. No. 2168
 Sheet 2
 Canceling R.I.P.U.C. No. 2112

~~THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE~~

9. The management of vegetation and/or other adjacent physical conditions which obstruct the normal distribution of light from the specified street and area lighting facilities is the responsibility of the Customer.
10. At the request of the Customer, the Company shall take reasonable actions to procure and install the necessary ancillary equipment, including but not limited to shields, visors, louvers and protective devices, for the purpose of providing special control of light distribution or vandal prevention of the facilities, provided all ancillary equipment costs and associated service charges are the responsibility of the Customer.

I. GENERAL STREET AND AREA LIGHTING – FULL SERVICE RATE

The annual charges enumerated in RIPUC No. 2095, Summary of Retail Delivery Rates, Sheet 3, are applicable to all street and area lighting facilities that have not been discontinued, permanently or temporarily, at the request of the Customer.

1. Luminaire Charges:

<u>Lamp Type</u>	<u>Luminaire Type</u>	<u>Lumen Rating</u>	<u>Nominal Wattage</u>	<u>Description</u>	<u>Annual kWh</u>
<u>Incandescent*</u>					
Roadway					
		1,000*	105	LUM INC RWY 105W	443
		2,500*	205	LUM INC RWY 205W	860
<u>Mercury Vapor*</u>					
Roadway					
		4,400*	100	LUM MV RWY 100W	543
		8,500*	175	LUM MV RWY 175W	881
		13,000*	250	LUM MV RWY 250W	1,282
		23,000*	400	LUM MV RWY 400W	1,991
		63,000*	1,000	LUM MV RWY 1000W	4,572
Floodlight					
		23,000*	400	LUM MV FLD 400W	1,991
		63,000*	1,000	LUM MV FLD 1000W	4,572
Post Top					
		8,500*	175	LUM MV POST 175W	881

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE

Metal Halide

Floodlight

32,000	400	LUM MH FLD 400W	1,883
107,800*	1,000	LUM MH FLD 1000W	4,502

R.I.P.U.C. No. 2168

Sheet 3

Canceling R.I.P.U.C. No. 2112

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE

RATE (Continued)Lamp Type

<u>Luminaire Type</u>	<u>Lumen Rating</u>	<u>Nominal Wattage</u>	<u>Description</u>	<u>Annual kWh</u>
<u>High Pressure Sodium Vapor</u>				
Roadway	4,000	50	LUM HPS RWY 50W	255
	6,300	70	LUM HPS RWY 70W	359
	9,600	100	LUM HPS RWY 100W	493
	16,000	150	LUM HPS RWY 150W	722
	27,500	250	LUM HPS RWY 250W	1,269
	50,000	400	LUM HPS RWY 400W	1,962
Wallighter	27,500 (24 Hr)	250	WALL HPS 250W 24 HR	2,663
Post Top	4,000**	50	LUM HPS POST 50W	255
	9,600**	100	LUM HPS POST 100W	493
Floodlight	27,500	250	LUM HPS FLD 250W	1,269
	50,000	400	LUM HPS FLD 400W	1,962
<u>Light Emitting Diode ("LED")</u>				
Roadway	2,000	20	LUM LED RWY 20W	88
	2,700	30	LUM LED RWY 30W	130
	5,000	60	LUM LED RWY 60W	255
	13,000	140	LUM LED RWY 140W	589
	25,000	275	LUM LED RWY 275W	1,153
Post Top	5,000**	60	LUM LED POST 60W	255

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE

* No further installation or replacement of designated luminaires will take place after the effective date of this rate. Conversion of existing Incandescent or Mercury Vapor luminaires to an equivalent High Pressure Sodium Vapor luminaire may also be done at the request of the Customer.

** Post top luminaire installations will only be permitted for the "Traditional" luminaire style and only in underground development areas after the effective date of this rate.

The Company shall use its best efforts to replace existing luminaires with LED luminaires within a reasonable length of time after receipt of the written notice requesting such replacement. Depending upon the number of street and area lighting facilities to be replaced with LED luminaires and the availability of the Company's crews, the Company may limit the quantity of LED replacements to ten (10) percent per account per calendar year to allow for efficient operations. The Company reserves the right to be flexible in responding to the Customer's request. However, the Company shall complete all requests according to a mutually accepted schedule between the Customer and the Company upon receipt of written notice.

R.I.P.U.C. No. ~~2168~~

Sheet 4

Canceling R.I.P.U.C. No. ~~2112~~

~~THE NARRAGANSETT ELECTRIC COMPANY~~
~~GENERAL STREET AND AREA LIGHTING SERVICE (S-14)~~
~~RETAIL DELIVERY SERVICE~~

RATE (Continued)2. Support and Accessory Charges:

An additional annual charge as enumerated in RIPUC No. 2095, Summary of Retail Delivery Rates, Sheet 3, will be applied to each luminaire type as stated in Section 1 – Luminaire Charges, where the Company is requested to furnish a suitable wood pole, standard, foundation or other accessory, and applicable delivery service as identified below, for the sole purpose of supporting a luminaire assembly.

Service TypeSupport TypeDescriptionOverhead ServiceNon-Distribution Pole

Wood Pole

POLE-WOOD

Underground ServiceNon-Metallic Standard

Fiberglass without Foundation*

POLE FIBR PT EMB<25

Fiberglass with Foundation <25 feet

POLE FIBER PT <25'

(Or) POLE FIBER RWY<25'

Fiberglass with Foundation =>25 feet

POLE FIBER RWY =>25

Metallic Standard

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE

Metallic Direct Embedded (No Fdn.)* POLE METAL EMBEDDED
 Metallic with Foundation POLE METAL =>25FT

* No further installation or relocation of the designated support will take place after the effective date of this rate.

Accessory Type

None

3. Other Fees and Charges:

Additional fees or charges as enumerated below in the schedule of fee and charge prices will be applied per unit application pursuant to applicable Customer requests and/or in association with terms and conditions of separate agreements specific to attachments to the foregoing support types as stated in Section 2 – Support and Accessory Charges. Applicable Lighting Service Charges are assessed where the Company is requested by the Customer to provide an individual site visit for the purpose of; investigation and determination of operational malfunction, preventative or proactive maintenance to address vandalism or lighting control, the performance of other specified services, or other such actions which, unless requested by the Customer would otherwise have not been warranted. A charge will not be assessed if, in the sole discretion of the Company, the conditions which created the need for the Customer request were determined to be the result of Company facilities or systems. Applicable fees are assessed on a regular billing schedule based on the terms and conditions of the agreement or license from which they are specified.

R.I.P.U.C. No. 2168
 Sheet 5
 Canceling R.I.P.U.C. No. 2112

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE

Fee or Charge Type

Charge Amount

Lighting Service Charge

See Terms and Conditions for Distribution Service

RATE ADJUSTMENT PROVISIONS

The charges for delivery service under this rate shall be subject to adjustment pursuant to the following provisions:

- Customer Credit Provision
- Energy Efficiency Program Provision
- Infrastructure, Safety, and Reliability Provision
- LIHEAP Enhancement Plan Provision
- Long Term Contracting for Renewable Energy Recovery Provision
- Long Term Contracting for Renewable Energy Recovery Reconciliation Provision
- Net Metering Provision

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE

Pension Adjustment Mechanism Provision
Performance Incentive Recovery Provision
Qualifying Facilities Power Purchase Rate
Renewable Energy Growth Program Cost Recovery Provision
Residential Assistance Provision
Revenue Decoupling Mechanism Provision
Standard Offer Service Adjustment Provision
Storm Fund Replenishment Provision
Street Light Metering Pilot Cost Recovery Provision
Transition Cost Adjustment Provision
Transmission Service Cost Adjustment Provision

STANDARD OFFER SERVICE

Any Customer served under this rate who is eligible for Standard Offer Service shall receive such service pursuant to the Standard Offer Service tariff.

GROSS EARNINGS TAX

A Rhode Island Gross Earnings Tax adjustment will be applied to the charges determined above in accordance with Rhode Island General Laws.

HOURS OF OPERATION

All street and area lights shall be operated through the use of a photoelectric device nightly from approximately one-half hour after sunset until approximately one-half hour before sunrise, a total of approximately 4,175 hours each year.

Transmission Service Charge Adjustment

~~The prices under this rate as set forth under "Monthly Charge" may be adjusted from time to time in the manner described in the Company's Transmission Service Cost Adjustment Provision.~~

Transition Charge Adjustment

~~The prices under this rate as set forth under "Monthly Charge" may be adjusted from time to time in the manner described in the Company's Non Bypassable Transition Charge Adjustment Provision.~~

Standard Offer Adjustment

~~All Customers served on this rate must pay any charges required pursuant to the terms of the Company's Standard Offer Adjustment Provision, whether or not the Customer is taking or has taken Standard Offer Service.~~

Energy Efficiency Programs

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Energy Efficiency Program Provision as from time to time effective in accordance with law.~~

Infrastructure, Safety and Reliability Provision

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
RETAIL DELIVERY SERVICE

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Infrastructure, Safety and Reliability Provision as from time to time effective in accordance with law.~~

Customer Credit Provision

~~—The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Customer Credit Provision as from time to time effective in accordance with law.~~

LIHEAP Enhancement Plan Provision

~~—The amount determined under the preceding provisions shall be adjusted in accordance with the Company's LIHEAP Enhancement Plan Provision as from time to time effective in accordance with law.~~

Revenue Decoupling Mechanism Provision

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Revenue Decoupling Mechanism Provision as from time to time effective in accordance with law.~~

R.I.P.U.C. No. 2168

Sheet 6

Canceling R.I.P.U.C. No. 2112

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
RETAIL DELIVERY SERVICE

Net Metering Provision and Qualifying Facilities Power Purchase Rate

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Net Metering Provision and Qualifying Facilities Power Purchase Rate as from time to time effective in accordance with law.~~

Pension Adjustment Mechanism Provision

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Pension Adjustment Mechanism Provision as from time to time effective in accordance with law.~~

DETERMINATION OF MONTHLY BILL FOR GENERAL STREET AND AREA LIGHTING – FULL SERVICE

The monthly bill will be based on the following:

1. Facility Charges

The Luminaire Charges and the Support and Accessory Charges will be based on the annual rates above divided by the number of days in the calendar year to arrive at a daily rate and multiplied by the actual number of

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
RETAIL DELIVERY SERVICE

days in the billing period as measured from the date immediately following the prior bill to the current bill date.

2. Energy Charges

Charges per kWh will be based on the annual kWh per luminaire above. The monthly kWh amount shall be determined by allocating the number of annual operating hours for lights among the months, as shown below. The sum of the monthly kWh for each light equals the annual kWh in this tariff. A daily kWh amount is determined from the monthly amount by dividing the monthly kWh by the number of days in a month. The daily kWh amount is multiplied by the actual number of days for each calendar month during the billing period as measured from the date immediately following the prior bill to the current bill date and then multiplied by the charge per kWh.

Monthly Operating Hours

January	442	July	267
February	367	August	301
March	363	September	338
April	309	October	392
May	280	November	418
June	251	December	447

3. Other Fees and Charges

Individual charges for specific Customer requested services will be identified as adjustments on the bill. The representation of applicable fees associated with specific agreement or license terms and conditions between the Customer and the Company will be imposed according to the agreements, licenses, or as specified in the Terms and Conditions for Distribution Service and presented as adjustments on the Customer's bill.

R.I.P.U.C. No. 2168

Sheet 7

Canceling R.I.P.U.C. No. 2112

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
RETAIL DELIVERY SERVICE

DISCLAIMER OF LIABILITY

The Company's duties and obligations under this tariff extend only to the Customer, and not to any third parties. The Company does not assume and specifically disclaims any liability to third parties arising out of Company's obligations to Customer under this section.

EXCESSIVE DAMAGE

Excessive damage due to wanton or malicious acts shall be charged to the Customer at the actual cost of labor and material required to repair or replace the unit. Excessive damage is defined as any lighting facility component such as pole, standard, lamp, luminaire, accessory or conductors being broken or damaged more than once in a twelve month period. Notification of excessive damage will be made to the Customer by the Company

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE

prior to billing for repairs.

ATTACHMENTS

The Company has exclusive rights of ownership of the facilities defined within this tariff and reserves the privilege and sole discretion to permit the use of such facilities for the support and physical attachment of other, non-company owned equipment under the terms and conditions of a separate agreement or license. The Company may, at its sole discretion, provide electric delivery service as applicable under another tariff. The Company will have no responsibility for the attachments except as defined in the separate agreement or license. The attachment will not adversely impact the street and area lighting as defined in this tariff.

RELAMPING

All inoperable lamps and/or photoelectric controls which are owned and maintained by the Company will be spot replaced. The Customer is responsible for notifying the Company of malfunctioning lights.

FAILURE OF LIGHTS TO OPERATE

Should any light or lights, which are owned and maintained by the Company, fail to operate the full period provided therefore, except as hereinafter specified, a deduction will be made from the charges under this rate, other than the Support and Accessory Charge, for such light or lights, upon presentation of a claim therefore from the Customer, equivalent to such part of the annual price thereof, as is equal to the ratio that the time of any outage bears to the annual operating time of such light or lights. The provisions of this paragraph will apply only if such failure is due to some cause or condition which might reasonably have been prevented by the Company and without limiting the generality of the foregoing will not apply in case such failure is due to an act of nature or an act or order of any public authority or accidental or malicious breakage; provided, however, that in the latter case the necessary repairs are made with reasonable dispatch upon notification by the Customer.

R.I.P.U.C. No. 2168

Sheet 8

Canceling R.I.P.U.C. No. 2112

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE

LOCATION OF STREET AND AREA LIGHTS

The Customer bears sole responsibility for determining where street and area lights will be placed and the type of lamp/luminaire used at each location. The Company bears no responsibility for, and makes no representations or warranties concerning, the locations and lamps/ luminaires selected by the Customer or the adequacy of the resulting lighting. The Customer, by requesting and accepting service under this rate, hereby shall provide, grant and confer to the Company, all necessary easement, rights-of-way and/or consent rights and privileges as is necessary to provide such service in a manner satisfactory to the Company. All applicable permits, fees and/or other charges by others associated with the facilitation of service under this rate are the responsibility of the Customer.

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
RETAIL DELIVERY SERVICE

PERMANENT DISCONTINUANCE OF LIGHTING FACILITIES

A Customer may permanently discontinue lighting facilities, owned by the Company, at no cost to the Customer, limited to a quantity not to exceed one (1) percent of the total number of lighting assemblies assigned to the Customer's billing account under this tariff within the given calendar year. The request by a Customer for the permanent discontinuance of the lighting in excess of one (1) percent as stated above may be performed by mutual agreement upon payment by the Customer to the Company in an amount equal to the sum of the unamortized balance of the original installation cost, removal and restoration costs, and any street light reconfiguration costs to maintain all other active lights.

RELOCATION OF LIGHTING FACILITIES

A Customer may request the relocation of existing street and area lighting facilities, owned by the Company, to another Customer specified location which meets all aforementioned terms and conditions of this tariff. The Customer will be responsible for all costs associated with the relocation as determined by the Company including but not limited to the removal/retirement costs of non-transferable facilities, the installation of new facilities as required, the relocation of existing facilities, any electric system reconfiguration and all site restoration. The relocated facilities will continue to be billed under the Customer account as originally represented prior to relocation.

TERM OF AGREEMENT

The initial term of agreement for General Street and Area Lighting Service under this tariff is two (2) years. Upon expiration of the initial term, the agreement will be continuously renewed until such time as either party has given to the other written notice, not less than six (6) months prior to the date on which the party desires to have the agreement terminated.

TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where applicable hereto and not inconsistent with any specific provisions hereof, are a part of this rate.

R.I.P.U.C. No. 2168
Sheet 9
Canceling R.I.P.U.C. No. 2112

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
RETAIL DELIVERY SERVICE

II. GENERAL STREET AND AREA LIGHTING – TEMPORARY TURN OFF SERVICE RATE

Upon the Company's temporary turn-off of retail delivery service to municipal Customers requesting temporary turn off of the Company's street and area lighting facilities, the Company shall bill the municipal Customer the charges enumerated in RIPUC No. 2095, Summary of Retail Delivery Rates, Sheet 3, for the temporary turn off.

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE

1. Luminaire Charges:

<u>Lamp Type</u>	<u>Luminaire Type</u>	<u>Lumen Rating</u>	<u>Nominal Wattage</u>	<u>Description</u>	<u>Annual kWh</u>
<u>Incandescent</u>					
	Roadway				
		1,000	105	LUM INC RWY 105WTT	n/a
		2,500	205	LUM INC RWY 205WTT	n/a
<u>Mercury Vapor</u>					
	Roadway				
		4,400	100	LUM MV RWY 100W TT	n/a
		8,500	175	LUM MV RWY 175W TT	n/a
		13,000	250	LUM MV RWY 250W TT	n/a
		23,000	400	LUM MV RWY 400W TT	n/a

RATE (Continued)

<u>Lamp Type</u>	<u>Luminaire Type</u>	<u>Lumen Rating</u>	<u>Nominal Wattage</u>	<u>Description</u>	<u>Annual kWh</u>
		63,000	1,000	LUM MV RWY 1000WTT	n/a
	Floodlight	23,000	400	LUM MV FLD 400W TT	n/a
		63,000	1,000	LUM MV FLD 1000WTT	n/a
	Post Top	8,500	175	LUM MV POST 175W TT	n/a
<u>Metal Halide</u>					
	Floodlight				
		32,000	400	LUM MH FLD 400W TT	n/a
		107,800	1,000	LUM MH FLD 1000W TT	n/a

R.I.P.U.C. No. 2168
 Sheet 10
 Canceling R.I.P.U.C. No. 2112

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE

RATE (Continued)

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE

<u>Lamp Type</u>				
<u>Luminaire Type</u>	<u>Lumen Rating</u>	<u>Nominal Wattage</u>	<u>Description</u>	<u>Annual kWh</u>
High Pressure Sodium Vapor				
Roadway				
	4,000	50	LUM HPS RWY 50W TT	n/a
	6,300	70	LUM HPS RWY 70W TT	n/a
	9,600	100	LUM HPS RWY 100W TT	n/a
	16,000	150	LUM HPS RWY 150W TT	n/a
	27,500	250	LUM HPS RWY 250W TT	n/a
	50,000	400	LUM HPS RWY 400W TT	n/a
Wallighter	27,500 (24 Hr)	250	WALL HPS 250W 24 TT	n/a
Post Top	4,000	50	LUM HPS POST 50W TT	n/a
	9,600	100	LUM HPS POST 100W TT	n/a
Floodlight	27,500	250	LUM HPS FLD 250W TT	n/a
	50,000	400	LUM HPS FLD 400W TT	n/a
Light Emitting Diode ("LED")				
Roadway				
	2,000	20	LUM LED RWY 20W TT	n/a
	2,700	30	LUM LED RWY 30W TT	n/a
	5,000	60	LUM LED RWY 60W TT	n/a
	13,000	140	LUM LED RWY 140W TT	n/a
	25,000	275	LUM LED RWY 275W TT	n/a
Post Top	5,000**	60	LUM LED POST 60W TT	n/a

RATE (Continued)

2. **Support and Accessory Charges:**

RATE (Continued)

<u>Service Type</u>	
<u>Support Type</u>	<u>Description</u>
Overhead Service	
<u>Non-Distribution Pole</u>	
Wood Pole	POLE – WOOD TEMPOFF

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE

R.I.P.U.C. No. 2168
 Sheet 11
 Canceling R.I.P.U.C. No. 2112

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
 RETAIL DELIVERY SERVICE

RATE (Continued)

Service Type

<u>Support Type</u>	<u>Description</u>
---------------------	--------------------

Underground Service

Non-Metallic Standard

Fiberglass without Foundation	POLE FIBR EMB<25TT
Fiberglass with Foundation < 25 ft.	POLE FIBER PT <25TT (Or) POLE FIBER RWY <25TT
Fiberglass with Foundation =>25 ft.	POLE FIBER RWY =>25TT

Metallic Standard

Metallic Direct Embedded (No Fdn.)	POLE METAL EMB TT
Metallic with Foundation	POLE METAL=>25' TT

3. Other Fees and Charges:

<u>Fee or Charge Type</u>	<u>Charge Amount</u>
Reactivation Charge	\$25.00
Crew Protection	Customer Responsibility

DETERMINATION OF MONTHLY BILL FOR TEMPORARY TURN OFF SERVICE

The monthly bill will be based on the annual Temporary Turn Off Charges above. The monthly charge will be based on the annual charge divided by the number of days in the calendar year to arrive at a daily rate and multiplied by the actual number of days in the billing period as measured from the date immediately following the prior bill to the current bill date.

MAINTENANCE

Temporary Turn Off Service under this tariff does not include routine maintenance of lighting facilities temporarily discontinued by the Customer.

NOTICE FOR TEMPORARY TURN OFF SERVICE

In order for a municipal Customer to be served under the Temporary Turn Off Service provision of this tariff, the municipal Customer must provide written notice to the Company requesting such temporary turn off

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
RETAIL DELIVERY SERVICE

service. Such notice shall take the form of that provided by the Company and shall include the specific identification of Company street and area lighting facilities to be temporarily turned off and the estimated length of the temporary discontinuance, however, will be not less than one year and not more than three years. Such identification shall include sufficient information for the Company to easily locate its street and area lighting facilities to be temporarily turned off for the purpose of turning off (red capping) the facilities.

The Company shall use its best effort to turn off retail delivery service to its street and area lighting facilities within a reasonable length of time after receipt of the written notice required above. Depending upon the
R.I.P.U.C. No. 2168
Sheet 12
Canceling R.I.P.U.C. No. 2112

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
RETAIL DELIVERY SERVICE

number of street and area lighting facilities to be temporarily turned off and the availability of the Company's crews, the Company may schedule such turn off over a period of time to allow for efficient operations. The Company reserves the right to be flexible in responding to the Customer's request. However, the Company shall complete all requests according to a mutually accepted schedule between the Customer and the Company upon receipt of written notice.

CREW PROTECTION

The Customer shall be responsible for the cost of any required police details or road flaggers for services provided under this option.

REINSTATEMENT OF GENERAL STREET AND AREA LIGHTING – FULL SERVICE

The provision of this service by the Company is predicated on the municipal Customer reinstating General Street and Area Lighting – Full Service. The Customer's request to reinstate all or a portion of the Company's street and area lighting facilities served under this rate, after complying with the term of service provision of this tariff, must be in written form and identify the specific street and area lighting facilities for the Company to reinstate. Upon receipt of the Customer's request, the Company shall use its best efforts to return the street and area lighting facilities to full lighting service as soon as possible after receiving the request. However, the Company reserves the right to flexibility in scheduling the reinstatement in an appropriate manner based on crew availability and the quantity of street and area lighting facilities requested to be reinstated. If the Customer requests reinstatement of the General Street and Area Lighting – Full Service prior to minimum term of one year, the Company will charge the Customer a Reactivation Charge per street or area lighting facility.

TERM OF SERVICE

The municipal Customer may remain on this provision of the General Street and Area Lighting tariff for a maximum period of three years. At the end of the three year period, the Customer must provide written notice for (i) the municipal Customer's return to General Street and Area Lighting – Full Service as provided for above, (ii) the permanent discontinuance of the street and area lighting facilities, as provided for above in Section I, or (iii) the Customer's ability to take advantage of another lighting tariff for retail delivery service to the street and area

THE NARRAGANSETT ELECTRIC COMPANY
GENERAL STREET AND AREA LIGHTING SERVICE (S-14)
RETAIL DELIVERY SERVICE

lighting facilities. The Company will continue to bill the Temporary Turn Off Charge until such time as the street and area lighting facilities are transferred to another delivery service selected by the Customer, or as assigned by the Company following the maximum three year term of service.

TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where applicable hereto and not inconsistent with any specific provisions hereof, are a part of this rate.

~~Effective: January 1, 2017~~

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
ELECTRIC PROPULSION RATE (X-01)
HIGH VOLTAGE DELIVERY SERVICE

AVAILABILITY

This rate shall apply to any customer taking service for traction power at voltages of 69kV or greater.

MONTHLY CHARGE

The Monthly Charge will be the sum of the High Voltage Delivery Service Charges set forth in RIPUC No. 2095, Summary of Retail Delivery Rates.

PEAK AND OFF-PEAK PERIODS

PEAK HOURS:	June - September	-- 8 a.m. - 10 p.m. Weekdays,
	December - February	-- 7 a.m. - 10 p.m. Weekdays
	October – November and	
	March - May	-- 8 a.m. - 9 p.m. Weekdays

OFF-PEAK HOURS: All other hours

Weekdays shall mean Monday through Friday, excluding the following holidays: New Year's Day, President's Day, Memorial Day, Independence Day, Columbus Day (observed), Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day.

DEMAND

The Demand for each month under ordinary load conditions shall be the greatest of the following:

- a) The greatest peak occurring in such month during Peak hours as measured in kilowatts,
- b) 90% of the greatest peak occurring in such month during Peak hours as measured in kilovolt-amperes,
- c) 75% of the greatest Demand as so determined above during the preceding eleven months, and
- d) 10 kilowatts.

Demand shall be measured in fifteen minute intervals.

RATE ADJUSTMENT PROVISIONS

The charges for delivery service under this rate shall be subject to adjustment pursuant to the following provisions:

- Customer Credit Provision
- Energy Efficiency Program Provision
- Infrastructure, Safety, and Reliability Provision
- LIHEAP Enhancement Plan Provision
- Long Term Contracting for Renewable Energy Recovery Provision
- Long Term Contracting for Renewable Energy Recovery Reconciliation Provision

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
ELECTRIC PROPULSION RATE (X-01)
HIGH VOLTAGE DELIVERY SERVICE

Net Metering Provision
Pension Adjustment Mechanism Provision
Performance Incentive Recovery Provision
Qualifying Facilities Power Purchase Rate
Renewable Energy Growth Program Cost Recovery Provision
Residential Assistance Provision
Revenue Decoupling Mechanism Provision
Standard Offer Service Adjustment Provision
Storm Fund Replenishment Provision
Transition Cost Adjustment Provision
Transmission Service Cost Adjustment Provision

~~Transmission Service Charge Adjustment~~

~~———— The prices under this rate as set forth under “Monthly Charge” may be adjusted from time to time in the manner described in the Company’s Transmission Service Cost Adjustment Provision~~

~~Transition Charge Adjustment~~

~~———— The prices under this rate as set forth under “Monthly Charge” may be adjusted from time to time in the manner described in the Company’s Non Bypassable Transition Charge Adjustment Provision.~~

R.I.P.U.C. No. 2108
Sheet 2
Canceling R.I.P.U.C. No. 2090

THE NARRAGANSETT ELECTRIC COMPANY
~~**ELECTRIC PROPULSION RATE (X-01)**~~
~~HIGH VOLTAGE DELIVERY SERVICE~~

~~Standard Offer Adjustment~~

~~———— The customer will pay any charges required pursuant to the terms of the Company’s Standard Offer Adjustment Provision, whether or not the customer is taking or has taken Standard Offer Service.~~

~~Energy Efficiency Programs~~

~~———— The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Energy Efficiency Program Provision as from time to time effective in accordance with law.~~

~~Infrastructure, Safety and Reliability Provision~~

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company’s Infrastructure, Safety and Reliability Provision as from time to time effective in accordance with law.~~

~~Customer Credit Provision~~

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
ELECTRIC PROPULSION RATE (X-01)
HIGH VOLTAGE DELIVERY SERVICE

~~—The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Customer Credit Provision as from time to time effective in accordance with law.~~

~~LIHEAP Enhancement Plan Provision~~

~~—The amount determined under the preceding provisions shall be adjusted in accordance with the Company's LIHEAP Enhancement Plan Provision as from time to time effective in accordance with law.~~

~~Revenue Decoupling Mechanism Provision~~

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Revenue Decoupling Mechanism Provision as from time to time effective in accordance with law.~~

~~Net Metering Provision and Qualifying Facilities Power Purchase Rate~~

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Net Metering Provision and Qualifying Facilities Power Purchase Rate as from time to time effective in accordance with law.~~

~~Pension Adjustment Mechanism Provision~~

~~The amount determined under the preceding provisions shall be adjusted in accordance with the Company's Pension Adjustment Mechanism Provision as from time to time effective in accordance with law.~~

STANDARD OFFER SERVICE

The customer may take Standard Offer Service pursuant to the terms of the Standard Offer Service tariff.

HIGH VOLTAGE SERVICE AGREEMENT

As a condition for service at high voltage, the Company and the customer shall execute a service agreement that sets forth the terms and conditions for service, including as necessary any reasonable reliability and safety performance requirements and other just and reasonable terms and conditions for taking service, provided that such agreement is filed with the Commission for review and approval. If the Company and the customer are unable to agree on the terms of such agreement, the Company has the right to file an unexecuted form of agreement for approval by the Commission, provided that a copy of the filing is served on the customer. The customer has the right to dispute the reasonableness of any terms of the agreement. The final terms of the form of agreement approved by the Commission (with any modifications the Commission may deem appropriate) will become a part of this tariff with respect to service for the customer when the customer commences taking service at high voltage.

CONSTRUCTION REIMBURSEMENT PAYMENT

The customer shall be required to reimburse the Company for its capital costs incurred for the construction of facilities designed to serve the customer directly, which costs have been incurred prior to the commencement of commercial train service by the customer. Such reimbursement shall also include any applicable tax liability arising out of Internal Revenue Service requirements relating to contributions in aid of construction.

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
ELECTRIC PROPULSION RATE (X-01)
HIGH VOLTAGE DELIVERY SERVICE

~~THE NARRAGANSETT ELECTRIC COMPANY~~
~~**ELECTRIC PROPULSION RATE (X-01)**~~
~~HIGH VOLTAGE DELIVERY SERVICE~~

GROSS EARNINGS TAX

A Rhode Island Gross Earnings Tax adjustment will be applied to the charges determined above in accordance with Rhode Island General Laws.

TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where not inconsistent with any specific provisions hereof (including the high voltage service agreement), are a part of this rate.

Effective: February 1, 2013

THE NARRAGANSETT ELECTRIC COMPANY
ARREARAGE MANAGEMENT PROGRAM RESIDENTIAL ASSISTANCE PROVISION

The rates for Retail Delivery Service contained in all of the Company's rate classes except for the Low Income Rate A-60 ("Rate A-60") are subject to adjustment to reflect a Low Income Discount Recovery Factor ("LIDRF") to recover the cost of bill discounts provided to customers receiving Retail Delivery Service on Rate A-60. In addition, the rates for Retail Delivery Service contained in all of the Company's rate classes are subject to adjustment to reflect an Arrearage Management Adjustment Factor ("AMAF") to recover the cost associated with the operation of the Arrearage Management Program ("AMP"). For billing purposes, the LIDRF and the AMAF shall be included with the distribution kilowatt-hour ("kWh") charge on customers' bills.

LOW INCOME BILL DISCOUNTS

On an annual basis, the Company shall estimate the discount to be provided to Rate A-60 customers. The estimated discount will be twenty five (25) percent of the forecasted Rate A-60 monthly billing units multiplied by the Rate A-60 customer charge and the sum of the Retail Delivery Service and semi-annual Standard Offer Service energy rates in effect during the period. For those customers who are receiving benefits through Medicaid, General Public Assistance, and/or the Family Independence Program, the estimated discount will be thirty (30) percent of the forecasted Rate A-60 monthly billing units multiplied by the Rate A-60 customer charge and the sum of the Retail Delivery Service and semi-annual Standard Offer Service energy rates in effect during the period. This estimate of the discount shall be used to determine the amount to be reflected in Retail Delivery Service rates on a prospective basis. The amount shall be divided by the estimated kilowatt-hours to be delivered by the Company to all customers excluding customers on Rate A-60. Such per kWh charge is referred to as the LIDRF.

The revenue billed through the LIDRF shall be subject to reconciliation against the actual bill discounts provided during the twelve month reconciliation period for which the LIDRF is in effect, and any over- or under-recovery of the actual discount provided shall be reflected in a subsequent LIDRF.

For purposes of the above reconciliation, the Company shall accumulate the actual discounts provided to Rate A-60 customers and the revenue billed through the LIDRF and shall accrue interest on the difference between these amounts at the interest rate paid on customer deposits on a monthly basis.

Should any balance remain subsequent to the recovery of the over- or under-recovery balance as described above, the Company shall reflect, as an adjustment in the then-current reconciliation period, the amount of the remaining balance.

THE NARRAGANSETT ELECTRIC COMPANY
~~ARREARAGE MANAGEMENT PROGRAM~~ RESIDENTIAL ASSISTANCE PROVISION

ARREARAGE MANAGEMENT PROGRAM

In accordance with R.I. Gen. Laws § 39-2-1(d)(2), commencing on September 1, 2016, the Company shall implement an ~~Arrearage Management Program~~ (“AMP”) pursuant to this tariff provision.

I. Program Eligibility

In order to be considered eligible for enrollment in the AMP, a customer who has been terminated from electric service or is recognized, pursuant to a rule or decision by the Division of Public Utilities and Carriers, as being scheduled for actual shut-off of service on a specific date, shall meet all of the following criteria:

- The applicant must be the customer of record, although the customer of record may authorize someone else to communicate with the Company to help enroll the customer of record in the AMP;
- The applicant must be eligible for the federal low-income home energy assistance program (“LIHEAP”);
- The account must be receiving retail delivery service on ~~the Company’s Residential Low-Income Rate A-60~~;
- The customer’s account must have a minimum balance of \$300.00 that is more than 60 days past due;
- If service to the account has been terminated, the customer must make an initial payment of 25% of the total unpaid balance (current and past due), unless otherwise directed by the Public Utilities Commission (“PUC”) as a result of an emergency regulation;
- The customer must agree to a payment plan, as further described in Section III;
- The customer must agree to remain current with payments. “Remaining current” means that the customer:
 - 1) misses no more than two (2) payments in the 12-month term of the payment plan; and
 - 2) pays the amount due under the payment plan in full by the conclusion of the payment plan’s 12-month term;
- The customer must agree to participate in the Company’s Energy Efficiency programs; and
- The customer must apply for other available energy assistance programs, such as fuel assistance and weatherization.

II. Enrollment

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
~~ARREARAGE MANAGEMENT PROGRAM~~ RESIDENTIAL ASSISTANCE PROVISION

To participate, the customer must affirmatively apply to participate in the AMP.

The Company shall administer the AMP enrollment process in compliance with the eligibility qualifications outlined in Section I. By applying to participate in the AMP, the customer agrees to comply with the terms of the AMP, including the customer's specific payment plan. After a customer has applied to the AMP, the Company shall determine whether the customer has met all of the AMP eligibility criteria set forth in Section I, based on the Company's records. The Company will coordinate with the Community Action Program ("CAP") agencies to validate customer eligibility when appropriate.

III. Payment Plan

AMP participants shall enroll in a 12-month payment plan, paid in equal monthly installments, that will cover new charges based upon their current estimated annual usage ("Payment Plan").

The current component of the Payment Plan shall be based on the customer's average monthly usage for the previous year less the customer's actual or anticipated fuel assistance commitments, and shall be converted to a fixed monthly payment.

IV. Arrears Forgiveness

AMP participants will be eligible for forgiveness of their account balance that is past due at the time of the first bill under their Payment Plan, up to an annual maximum of \$1,500. With each payment under the Payment Plan, a portion of the participant's outstanding past due account balance as described above is forgiven in an amount equal to the total past due account balance or \$1,500, whichever is less, divided by 12; provided, however, that the annual arrearage forgiveness amount shall not exceed \$1,500.

If an AMP participant's past due account balance at the time their Payment Plan takes effect exceeds \$1,500, the AMP participant may request an extension of the Payment Plan beyond the initial 12-month term to establish a new Payment Plan to accommodate the additional account balance in excess of \$1,500. To be eligible for an extension, the AMP participant must be current with their Payment Plan at the conclusion of the initial 12-month term. Such AMP participant's Payment Plan will be extended upon the AMP participant's timely request for an extension.

V. Payment Plan Review

Customers applying to participate in the AMP will be advised that the amount of their required monthly payment under their Payment Plan may change over the lifetime of the Payment Plan.

THE NARRAGANSETT ELECTRIC COMPANY
~~ARREARAGE MANAGEMENT PROGRAM~~ RESIDENTIAL ASSISTANCE PROVISION

The Company shall review the Payment Plans of active AMP participants every three months and may adjust the installment payments based on the following:

- A fuel assistance commitment is made subsequent to enrollment;
- There is a change in fuel assistance, such as a change in the amount, from what was understood at enrollment;
- The customer moves to a new address with a different average monthly usage for the previous year;
- Actual usage patterns differ from what was estimated as annual usage at enrollment; or
- There is a significant change in the Company's rates from what was anticipated at enrollment.

VI. Default

The Company shall consider the AMP participant's billing account in default if either of the following occurs:

- The AMP participant misses more than two (2) payments in the 12-month Payment Plan term; or
- If the amount due under the Payment Plan is not paid in full by the conclusion of the 12-month Payment Plan term.

Upon default, the Company shall terminate an AMP participant from the AMP and the customer's unpaid balance will be due and payable in full. However, any arrearage forgiven under the AMP prior to termination of participation in the AMP will remain forgiven.

Customers shall have the option to opt out of continued participation in the AMP at any time, with the understanding that any unpaid balance will be due and payable in full. Customers who voluntarily opt out of the AMP will receive the same treatment as those customers who default on their Payment Plans under the AMP, as set forth in Section X (Subsequent Eligibility).

VII. Termination

In addition to termination upon default, a customer's participation in the AMP shall terminate if the AMP participant moves outside of the Company's service territory.

If a customer is terminated from AMP participation, the customer's unpaid balance will be due and payable in full. However, any arrearage forgiven under the AMP prior to termination of participation in the AMP will remain forgiven.

VIII. Collection Activity

THE NARRAGANSETT ELECTRIC COMPANY
~~ARREARAGE MANAGEMENT PROGRAM~~ RESIDENTIAL ASSISTANCE PROVISION

AMP participants shall not be subject to the Company's normal collections activities while actively participating in the AMP. The Company shall resume normal collections activities if an AMP participant defaults while participating in the AMP or terminates the AMP.

IX. AMP Billing and Active Plan Noticing

The Company shall remove the amount of an AMP participant's arrears balance up to \$1,500 from the "current amount due" field on certain views of AMP participant accounts in the Company's billing system. However, the arrears balance up to \$1,500 shall remain on the customer's bill.

Customers who are enrolled in the AMP will receive an AMP "Enrollment Letter" outlining the terms and conditions of their participation in the AMP.

Customers in danger of defaulting from the AMP will receive a default letter advising them of the need to make all required payments or risk default, termination from the AMP, and a return to the Company's normal collections activities.

X. Subsequent Eligibility

A customer is eligible for subsequent enrollment in the AMP provided two years have passed since either (a) the date of the customer's successful completion of the AMP, or (b) the date on which the customer's participation in the AMP was terminated as a result of default or because the customer voluntarily opted out of the AMP, so long as a CAP agency has provided a recommendation to allow eligibility notwithstanding the customer's default or voluntary opt out of the AMP. The Company shall review requests for re-enrollment on a case-by-case basis to determine that the foregoing criteria are met.

XI. Reporting Metrics

The Company shall report monthly and annually the metrics below to allow for the evaluation of the effectiveness of the AMP. The monthly and annual reports shall be submitted to the PUC in Docket No. 4290.

- Number of customers enrolled in the program at the end of the reporting period;
- Number of customers added to the program during the reporting period;
- Number of customers terminated from the program (by choice or default) during the reporting period;
- Number of customers who successfully completed the program during the reporting period;
- Total customer payments during the reporting period;
- Total amount to be forgiven for all participating customers at the end of the reporting period;

THE NARRAGANSETT ELECTRIC COMPANY
~~ARREARAGE MANAGEMENT PROGRAM~~ RESIDENTIAL ASSISTANCE PROVISION

- Average amount to be forgiven for all participating customers at the end of the reporting period;
- Total amount to be paid under a payment plan for all participating customers at the end of the reporting period;
- Average arrears balance not yet forgiven of all participating customers at the end of the reporting period;
- Average arrears balance as a percentage of the total balance due for all participating customers at the end of the reporting period;
- Total amount of arrears outstanding for all participants at the end of the reporting period;
- Total amount of forgiveness credits (allowances) given during the reporting period;
- Number of forgiveness credits (allowances) given during the reporting period;
- Average amount of forgiveness credits (allowances) given during the reporting period;
- Number of participants receiving LIHEAP at the end of the reporting period;
- Percentage of participants receiving LIHEAP at the end of the reporting period; and
- Total LIHEAP payments received during the reporting period.

The Company shall also provide a schedule with the number of customers enrolled in the AMP, by month, together with the number of defaults and program terminations.

XII. AMP Cost Recovery

The ~~rates/prices~~ for Retail Delivery Service contained in all the rates of the Company are subject to adjustment to reflect ~~the an Arrearage Management Adjustment Factor (“AMAF”)~~ designed to recover incremental costs incurred associated with the AMP. Incremental costs include the amount of arrearage forgiven. The recovery of the arrearage amounts forgiven by the Company through the AMP is dependent on the following criteria:

- i. If a customer does not satisfy the conditions of R.I. Gen. Laws § 39-2-1(d)(2), the amount of arrearage forgiven by the Company to that point shall remain forgiven and be written off by the Company. However, the amount of arrearage forgiven by the Company is recoverable in full.
- ii. If a customer does satisfy the conditions of R.I. Gen. Laws § 39-2-1(d)(2), all arrearage amounts forgiven will be treated as bad debt. At the end of each calendar year, the Company will perform a test to determine if the amount of bad debt for the year exceeds the adjusted allowable bad debt from the Company’s most recent general rate case. This adjusted allowable bad debt will be calculated using the distribution uncollectible amount determined in the last general rate case, updated for the current calendar year Standard Offer Service, transmission, Renewable Energy Growth, Long Term Contracting for Renewable Energy Recovery, and energy efficiency-related bad debt. Should the actual amount of bad debt incurred by the Company for the year exceed this adjusted allowable bad debt amount, the Company will be entitled to recover, in the following year, all

THE NARRAGANSETT ELECTRIC COMPANY
~~ARREARAGE MANAGEMENT PROGRAM~~ RESIDENTIAL ASSISTANCE PROVISION

amounts of arrearage forgiven under R.I. Gen. Laws § 39-2-1(d)(2)(xiv) in the prior year in excess of the allowable bad debt. If, however, the amount of the arrearage forgiven under § 39-2-1(d)(2)(xiv) in excess of the adjusted allowable bad debt for a given year is not significant enough to calculate an annual reconciling factor for that year, the Company may reflect such amount in its next Revenue Decoupling Mechanism reconciliation filing.

The AMAF shall be a uniform per kilowatt-hour factor based on the estimated kilowatt-hours to be delivered by the Company to its retail delivery customers over a 12-month period. ~~For billing purposes, the AMAF will be included with the distribution kilowatt hour charge on customers' bills.~~ Should any balance remain outstanding subsequent to the recovery of costs associated with the AMP as described above, the Company shall reflect this balance as an adjustment in the subsequent period's AMP recovery.

ADJUSTMENT TO RATES

Adjustments to rates pursuant to the ~~Arrears Management Program Residential Assistance~~ Provision are subject to review and approval by the PUC. Modifications to the factors contained in this Provision shall be made in accordance with a notice filed with the PUC pursuant to R.I. Gen. Laws § 39-3-11(a) setting forth the amount(s) of the revised factor(s) and the amount(s) of the increase(s) or decrease(s). The notice shall further specify the effective date of such charges.

Effective Date: July 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICE

The following Terms and Conditions where not inconsistent with the rates are a part of all rates. The provisions of these Terms and Conditions apply to all persons, partnerships, corporations or others (the Customer) who obtain local distribution service from The Narragansett Electric Company (the Company) and to companies that are nonregulated power producers, as defined in Rhode Island General Laws. All policies, standards, specifications, and documents referred to herein have been filed with the Rhode Island Public Utilities Commission (Commission) and ~~Division~~ Division of Public Utilities and Carriers (Division), and such documents and any revisions have been filed at least 30 days before becoming effective. Compliance by the Customer and nonregulated power producer is a condition precedent to the initial and continuing delivery of electricity by the Company.

Service Connection

1. The Company shall furnish on request detailed information on the method and manner of making service connections. Such detailed information may include a copy of the Company's Specifications for Electrical Installations booklet, as may be amended from time to time, a description of the service available, connections necessary between the Company's facilities and the Customer's premises, location and access of service connection facilities and metering equipment, and Customer and Company responsibilities for installation of facilities.

The Customer shall wire to the point designated by the Company, at which point the Company will connect its facilities. In addition, the Customer's facilities shall comply with any reasonable construction and equipment standards required by the Company for safe, reliable, and cost efficient service. For a service meeting Company requirements (which requirements are set forth on the Company's website at www.nationalgridus/connects), the Company may also permit this connection to be made by a licensed electrician in good standing with the authority having jurisdiction, as required by applicable law, and who is registered with the Company, provided, however, that the Company gives no warranty to the Customer, express or implied, as to the knowledge, training, reliability, honesty, fitness, or performance of any electrician registered with the Company for this purpose, and the Company shall not be liable for any damages or injuries caused by any electrician who may be used for such purpose.

Application for Service

2. Application for new service or alteration to an existing service should be made as far in advance as possible to assure time for engineering, ordering of material, and construction. Upon the Company's reasonable request, the Customer shall provide to the Company all data and plans reasonably needed to process this application.

Line Extensions [Overhead (OH) & Underground (UG)]

3. The Company shall construct or install overhead or underground distribution facilities or

other equipment determined by the Company to be appropriate under the following policies: Line Extension Policy for Residential Developments, Line Extension Policy for Individual Residential Customers, and Line Extension and Construction Advance Policy for Commercial, Industrial and Existing Residential Customers. Whenever it is necessary to provide service and a Customer requests the Company to extend or install poles, distribution lines or other service equipment to the Customer's home, premises or facility in order to supply service, the Company will furnish the necessary poles, wires, or equipment in accordance with the Company's "Line Extension and Construction Advance Policies" on file with the Commission. Except as provided in the "Policies", all such equipment, poles, and wires shall remain the property of the Company and be maintained by it in accordance with the "Policies". To the extent that any Company property needs to be located on private property, the Company will require the Customer to furnish a permanent easement.

Attachments

4. Any individual or organization who requests an attachment to distribution facilities, utility poles, or along any span between such poles, shall comply with the Company's specifications and policies governing the type of construction, metering, attachment fees, easements, permissions and electrical inspections required.

Outside Basic Local Distribution Services

5. Customers requesting the Company to arrange for Customer facility outages or additional maintenance or construction not normally part of basic local distribution service will be notified in a reasonable timely manner by the Company that the customer shall be required to pay ~~these~~ the Company's costs of reasonably meeting the request.

Acquisition of Necessary Permits

6. The Company shall make, or cause to be made, application for any necessary street permits, and shall not be required to supply service until a reasonable time after such permits are granted. The Customer shall obtain or cause to be obtained all permits or certificates, except street permits, necessary to give the Company or its agents' access to the Customer's equipment and to enable its conductors to be connected with the Customer's equipment.

Service to "Out-Building"

7. The Company shall not be required to install service or meter for a garage, barn or other out-building, so located that it may be supplied with electricity through a service and meter in the main building.

Customer Furnished Equipment

8. The Customer shall furnish and install upon its premises such service conductors, service equipment, including circuit breaker if used, and meter mounting device as shall conform with specifications issued from time to time by the Company, and the Company will seal such service

equipment and meter mounting device, and adjust, set and seal such circuit breaker, and such seals shall not be broken and such adjustments or settings shall not be changed or in any way interfered with by the Customer.

The Customer shall furnish and maintain, at no cost to the Company, the necessary space, housing, fencing, and foundations for all equipment that is installed on its premises in order to supply the Customer with local distribution service, whether such equipment is furnished by the Customer or the Company. Such space, housing, fencing, and foundations shall be in conformity with the Company's specifications and subject to its approval.

Up-Keep of Customer Equipment

9. The Customer's wiring, piping, apparatus and equipment shall, at all times, conform to the requirements of any legally constituted authorities and to those of the Company, and the Customer shall keep such wiring, piping, apparatus and equipment in proper repair.

Installation of Meters

10. Meters of either the indoor or outdoor type shall be installed by the Company at locations to be designated by the Company. The Company may at any time change any meter installed by it. The Company may also change the location of any meter or change from an indoor type to an outdoor type, provided that the cost of the change shall be borne by the Company except when such change is pursuant to the provisions of Paragraph 11. Upon the reading of the Company's meter all bills shall be computed. If more than one meter is installed, unless it is installed at the Company's option, the monthly charge for local distribution service delivered through each meter shall be computed separately under the applicable rates.

Unless otherwise determined by the Company, all residential premises shall be equipped with a meter that employs Automatic Meter Reading ("AMR") technology utilizing radio frequency transmitters to allow the Company to obtain meter readings remotely. However, residential customers may choose to "opt-out" by having their AMR meter replaced with a non-AMR meter.

Customers who choose to opt-out will be charged an initial fee of \$27.00 for the removal of the existing AMR electric meter and the installation of the non-AMR electric meter. Customers who choose to opt-out will also be charged a monthly meter reading fee of \$13.00 for the non-AMR electric meter. The meter reading fee is applicable to customers who receive gas and electric service, or receive electric-only service, from the Company. The Company, at its option, may choose to read the non-AMR meter less frequently than once per month. In that case, or if the Company is unable for any reason to read the meter on the regularly scheduled monthly read date, the Company shall make a reasonable estimate of the consumption of electricity during those months when the meter is not read, based on available data, and such estimated bills shall be payable as rendered. A customer will not be assessed the initial or monthly fee until after the Company has installed the non-AMR electric meter.

Any opt-out customer who subsequently wishes to have an AMR electric meter re-installed will be charged a "re-installation fee" of \$27.00. The re-installation fee will be charged for the

removal of the non-AMR meter and the installation of the AMR meter. Any customer electing re-installation will no longer be assessed the special monthly meter reading fee after the AMR meter has been re-installed.

Unauthorized and Unmetered Use

11. Whenever the Company determines that an unauthorized and unmetered use of electricity is being made on the premises of a Customer and is causing a loss of revenue to the Company, the Company may, at the Customer's expense, make such changes in the location of its meters, appliance and equipment on said premises as will, in the opinion of the Company, prevent such unauthorized and unmetered use from being made.

Definition of Month

12. Whenever reference is made to "month" in connection with electricity delivered or payments to be made, it shall mean the period between two successive regular monthly meter readings or estimated meter readings, the second of which occurs in the month to which reference is made. If the Company is unable to read the meter when scheduled, the necessary billing determinants may be estimated. Bills may be rendered on such estimated basis and will be payable as so rendered.

Payment Due Date – Interest Charge

13. All bills shall be due and payable upon receipt. Bills rendered to customers, other than individually metered residential customers, on which payment has not been received by the "Please Pay By" date as shown on the bill, shall bear interest, at the rate of 1¼% per month on any unpaid balance, including any outstanding interest charges, from the date of receipt until the date of payment. The "Please Pay By" ~~D~~date corresponds to the next normal bill preparation date. Bills disputed in good faith by a Customer will not be subject to the late payment charge until after the dispute is resolved.

Customer payment responsibilities with their nonregulated power producer will be governed by the particular Customer/nonregulated power producer contract. Payments made through the Company for electricity purchased from a nonregulated power supplier will be applied first to any Narragansett charges or arrearages.

Returned Check Fee

14. A ~~\$15.00~~\$8.00 Fee shall be charged to the Customer for each check presented to the Company that is not honored by the financial institution. This fee shall be applicable only where the check has been dishonored after being deposited for a second time.

Seasonal Customers

15. Seasonal Customers are those using local distribution services between June 1 and September 30 only, or those using local distribution services principally between June 1 and

September 30 and incidentally or intermittently during the rest of the year.

Deposit and Security

16. The Company may require a cash deposit or other collateral satisfactory to it as security for prompt payment of the Customer's indebtedness to the Company. The rate of interest shall be adjusted on March 1 annually. The interest rate in effect in any year shall be based on the average rate over the prior calendar year for 10-year constant maturity Treasury Bonds as reported by the Federal Reserve Board.

Payments for Line Extensions

17. The Company may require a Customer to pay for all or a portion of the cost of extending or installing poles, distribution lines, or equipment to the Customer's home, premises or facility, consistent with the terms of the Company's "Line Extension and Construction Advance Policies," ~~on file with the Commission.~~ The Company's line extension policies are included in Appendix A to this tariff.

Lighting Service Charge

18. The Company may assess a Lighting Service Charge of ~~\$130.00~~ 116.00 for Company services rendered in response to a Customer request in support of Customer equipment where the condition, service or connection is unrelated to the performance of facilities owned by the Company. A Lighting Service Charge per each occurrence will be assessed to the Customer on their subsequent bill.

Determining Customer's Demand

19. The demand is the maximum rate of taking electricity. Under ordinary load conditions it will be based upon one or more fifteen-minute peaks as herein defined. A fifteen-minute peak is the average rate of delivery of electricity during any fifteen-minute period as determined by any suitable instrument chosen by the Company. In the case of extremely fluctuating load, however, where the demand based on the average over fifteen minutes does not fairly represent the maximum demand imposed by the Customer, the demand will be based upon the instantaneous peak or the peak for a shorter period than fifteen minutes. Such measurements will be made by any suitable instrument chosen by the Company. The demand which is billed to the Customer is determined according to the terms of the appropriate tariffs approved by the ~~PUC~~ Commission from time to time.

Customer Changing Rates

20. The Customer may change from the rate under which he is purchasing electricity to any other rate applicable to a class of service which he is receiving. Any change, however, shall not be retroactive, nor reduce, eliminate or modify any contract period, provision or guarantee made in respect to any line extension or other special condition. Nor shall such change cause such service to be billed at any rate for a period less than that specified in such rate except during the

first year of electric service to any Customer. A Customer having changed from one rate to another may not again change within twelve months or within any longer contract period specified in the rate under which he is receiving electric service.

Discontinuance of Service

21. Subject to the Rules and Regulations of the Commission, the Company shall have the right to discontinue its service upon due notice and to remove its property from the premises in case the Customer fails to pay any bill due the Company for such service, or fails to perform any of its obligations to the Company. For restoration of service after such discontinuance, a reconnection charge of ~~\$38.00~~\$32.00 will be made.

Right of Access

22. The Company shall have the right of access to the Customer's premises at all reasonable times for the purpose of examining or removing the Company's meters, and other appliances and equipment. During emergency conditions, the Company shall have the right of access to the Customer's premises at all hours of the day to make conditions safe and/or to restore service.

Safeguarding Company Equipment

23. The Customer shall not permit access for any purpose whatsoever, except by authorized employees of the Company, to the meter or other appliances and equipment of the Company, or interfere with the same, and shall provide for their safe keeping. In case of loss or damage of the Company's property, the Customer shall pay to the Company the value of such property or the cost of making good the same.

Temporary Service

24. A temporary connection is local distribution service which does not continue for a sufficient period to yield the Company adequate revenue at its regular local distribution service rates to justify the expenditures necessary to provide such a connection. The Company may require a Customer requesting a temporary connection to pay the full amount of the estimated cost of installing and removing the requested connection, less estimated salvage value, in advance of the installation of the connection by the Company. In addition, the customer shall pay the applicable regular local distribution service and, if applicable, ~~basic or~~ standard offer service rates.

Limitation of Liability for Service Problems

25. The Company shall not be liable for any damage to equipment or facilities using electricity which damage is a result of Service Problems, or any economic losses which are a consequence of Service Problems. For purposes of this paragraph, the term "Service Problems" means any service interruption, power outage, voltage or amperage, fluctuations, discontinuance of service, reversal of its service, or irregular service caused by accident, labor difficulties, condition of fuel supply or equipment, federal or state agency order, failure to receive any electricity for which the Company has contracted, or any other causes beyond the Company's immediate control.

However, if the Company is unable for any reason to supply electricity for a continuous period of two days or more, then upon the request of the Customer, the Demand Charge, if any, shall be suspended for the duration of such inability.

The Company shall not be liable for damage to the person or property of the Customer or any other persons resulting from the use of electricity or the presence of the Company's appliances and equipment on the Customer's premises.

Limitation on Use of Electricity - Auxiliary & Temporary Local Distribution Service

26. Local distribution service supplied by the Company shall not be used to supplement or relay, or as standby or back up to any other electrical source or service except under the provisions of the Back-Up Service Rate, unless the Customer shall makes such guarantees with respect to the payment for such local distribution service as shall be just and reasonable in each case. Where such local distribution service is supplied, the Customer shall not operate its generation in parallel with the Company's system without the consent of the Company, and then only under such conditions as the Company may specify from time to time.

Company Right to Place Facilities on Customer Property

27. The Company has the right to place on a Customer's property facilities to provide and meter electric service to the Customer.

Company Right to Request a Guarantee

28. Whenever the estimated expenditures for the services or equipment necessary to deliver electricity to a Customer's premises shall be of such an amount that the income to be derived there at the applicable rates will, in the opinion of the Company, be insufficient to warrant such expenditures, the Company may require a Customer to guarantee a minimum annual payment or commitment for a term of years, or to pay the whole or a part of the cost of such equipment.

Fluctuating Load & Harmonic Distortion

29. In certain instances, extreme fluctuating loads or harmonic distortions which are created by a Customer's machinery or equipment may impair service to other Customers. If the fluctuating load or harmonic distortion causes a deterioration of the Company's service to other customers, the Company shall specify a service arrangement that avoids the deterioration and the Customer owning or operating the equipment that causes the fluctuation or distortion shall pay the cost to implement the new service arrangement together with applicable taxes.

Customer Tax Liability

30. The Company shall collect taxes imposed by governmental authorities on services provided or products sold by the Company. It shall be the Customer's responsibility to identify and request any exemption from the collection of the tax by filing appropriate documentation with

the Company.

Customer/Supplier Relationship

31. For electricity supplied by nonregulated power producers, the Company is a local distribution service provider of electricity supplied by others. When such electricity is supplied and delivered to the Company's local distribution supply point, the Company then performs a delivery service for the electricity. Ownership of such electricity lies with either the non-regulated power producer or Customer, as per the specific agreement between the Customer and the nonregulated power producer. In no case shall the Company be liable for loss of electricity.

Billing Termination ("Soft-Off")

~~32. The Company and the Rhode Island Division of Public Utilities and Carriers (the "Division") have agreed to participate in a one-year pilot program (the "Pilot") with respect to the Company's "Soft-Off" termination policy pursuant to a Settlement Agreement between the Company and the Division, as approved by the Rhode Island Public Utilities Commission on May 4, 2012. During the Pilot, where~~ When a customer has requested termination of service and an estimated or actual final meter reading is recorded, and the account is not subject to a shut-off order or request, the Company may choose to utilize a "Soft-Off" termination, defined as the termination of an account by the Company for billing purposes where there is no new customer of record and the actual flow of electricity to the premises is not disconnected.

In the event of a termination of an account for which there is no unbilled consumption, a landlord may initiate an application for service in the landlord's name at that premises by either oral or written request in accordance with Section 2 of this tariff; provided however, that in the event of a termination of an account for which there is any unbilled consumption, a landlord may initiate an application for service in the landlord's name only upon providing the Company with a signed authorization. In addition, where the landlord has previously provided the Company a signed agreement, the Company may record the landlord as the customer of record for that account without further authorization.

When metered consumption at a premises where a Soft Off termination has been implemented exceeds 100 kilowatt-hours in a month, the Company will send notification to the premises indicating that service shall be terminated pursuant to the Commission and Division's rules and regulations governing the termination of service if an account is not established. When metered consumption at the location exceeds an aggregate of 250 kilowatt-hours, service to the location will be terminated; provided however that where such a termination would affect the statutory and/or termination rights of other electric customers at that location, service will be terminated at the Soft Off premises as soon as the Company is able to accomplish the termination so as not to conflict with the rights provided under the Commission and Division's rules and regulations governing the termination of service for the other customers.

Paperless Billing & Electronic Payments

33. Customers may elect to receive and pay their bill electronically ~~under the Company's~~

~~Optional Telephone or Web Page Payment Provision.~~ Such customers electing to receive their bills electronically will receive a paperless billing credit of ~~\$0.34~~\$0.37 per account, per billing period.

Customer Notice and Right to Appeal

34. Where practicable, the Company will give the Customer reasonable notice of actions taken pursuant to these Terms & Conditions. The Customer shall have the right to appeal, pursuant to the Division's Rules of Practice and Procedure, all action taken by the Company hereunder.

~~Effective: February 1, 2013~~

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICE

APPENDIX A

POLICY 1

LINE EXTENSION POLICY FOR INDIVIDUAL RESIDENTIAL CUSTOMERS

When an individual residential customer (“Customer”) requests that a distribution line be extended to serve such customer’s home whether over private property, along common way or along a public way, the terms of this policy shall apply. This policy applies only to the installation of electric service by The Narragansett Electric Company (“Company”). The Customer should contact other utilities to determine the utilities’ requirements governing the provision of their service and whether any costs and/or requirements are to be the responsibility of the Customer.

1. Installation of Overhead Distribution Line

The Company will provide a regular overhead 120/240 volts, single phase, three (3) wire service up to a capacity limit of 50 kVA for the Customer. The Company will determine the route of the distribution line in consultation with the Customer.

2. Distance of Overhead Distribution Line Allowed Without Charge

The Company will provide up to two poles and two spans of overhead distribution line needed to serve the Customer plus a service drop (that does not require a carrier pole) to the Customer’s home free of charge.

3. Overhead Line Extension

If more than two poles and two spans of overhead distribution line are required to serve the Customer’s home, the Customer will pay an “Overhead Installation Charge,” as determined below.

The Overhead Installation Charge will be equal to the number of feet of distribution line (beyond two poles and two spans) required to serve the Customer’s home, multiplied by the “Overhead Cost Per Foot” (as defined in section 9 below), plus the applicable tax contribution factor.

When overhead service is requested, the Company shall be responsible for:

- i. installing (or having others install), owning (individually or jointly) and maintaining (individually or jointly) all poles, primary and secondary wires, transformers, service drops, meters, etc. that, in its opinion are required to provide adequate service;

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICE

APPENDIX A

POLICY 1

LINE EXTENSION POLICY FOR INDIVIDUAL RESIDENTIAL CUSTOMERS

- ii. designating the location of all Company owned equipment, excluding streetlights, and the service entrance and meter location(s); and
- iii. blasting and tree trimming and removal along public ways; the Company may charge the Customer the cost of such blasting and tree trimming and removal if, in the Company's opinion, such cost is excessive; excessive cost shall be defined as the type of work which requires the Company to contract with a third party to remove ledge through blasting or to trim trees for the purposes of clearing the space needed for the line work.

The Customer, at no cost to the Company, shall be responsible for:

- i. blasting and tree trimming and removal on private property, including roadways not accepted as public ways by the municipality, in accordance with the Company's specifications and subject to the Company's inspection.

4. Payment Terms

For Overhead Installation Charges up to \$6,000, the Customer will be required to pay the entire amount before the start of construction. If the Overhead Installation Charge is greater than \$6,000, the Customer will have the option to either pay the entire amount before the start of construction, or pay \$6,000 before the start of construction and pay the amount in excess of \$6,000 under a payment plan. The term of the payment plan will be based on equal payments of at least \$75 per month until the amount in excess of \$6,000 is paid in its entirety. The term of the payment plan is not to exceed a period of five (5) years or sixty (60) months. The amount collected under the payment plan will include interest at the rate of interest applicable to the Company's customer deposit accounts.

5. More Than One Customer

Where overhead service is requested by more than one Customer for the same line, the Overhead Installation Charge will be prorated among those Customers, based on the amount of line attributable to each Customer. (The calculation of the Overhead Installation Charge shall allow for a credit equal to the Overhead Cost Per Foot of two poles and two spans for each Customer).

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICEAPPENDIX A

POLICY 1

LINE EXTENSION POLICY FOR INDIVIDUAL RESIDENTIAL CUSTOMERS

6. Customer Added After Initial Construction

If a new Customer (or group of customers) is supplied service from facilities constructed under this policy, and if such service begins within five (5) years from the date of the first payment received by the Company from the original Customer or group of Customers, the Company will require such new Customer(s) to make prorated contribution to payment of the balance of the Overhead Installation Charge. Any contribution received from a new Customer will be used to proportionately reduce the balance owed by the initial Customer(s). In addition, a credit of two poles and two spans per customer will be applied against the remaining balance. However, no refunds will be paid if the credit exceeds the balance.

7. Change of Customer

The Customer must agree, as a condition for the line extension monthly payment terms, that if he/she sells, leases or otherwise transfers control and use of the home to another individual ("New Occupant"), and such New Occupant opens a new account with the Company, the Customer will obtain an agreement from such New Occupant to pay the remaining balance as prescribed in the agreement of the Overhead Installation Charge that would have been owed by the Customer at that location. Otherwise, the Customer will remain personally liable for the balance owed.

The Company reserves the right to place a lien on the property until such time that the obligation is fulfilled.

8. Underground Lines

If the Customer requests an underground distribution line in lieu of the standard overhead line, the Company will give reasonable consideration to the request. If the Company believes that there are technical complications, safety issues, engineering concerns, or other reasonable concerns regarding the feasibility and/or maintenance of an underground system in the given circumstances, the Company may decline to provide underground service.

If the Company agrees to an underground service, the Company will estimate the cost of providing the underground line to the home, using a predetermined underground cost per foot ("Underground Cost Per Foot"). The Customer will be required to pay an "Underground

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICEAPPENDIX A

POLICY 1

LINE EXTENSION POLICY FOR INDIVIDUAL RESIDENTIAL CUSTOMERS

Charge” equal to:

- (A)i. the Company’s estimated cost of installing the underground line (based on Underground Cost Per Foot); minus
- (B)ii. an amount equal to the Overhead Cost Per Foot of two poles and two spans; plus
- (C)iii. a tax contribution factor based on the value of donated property and/or any cash contribution.

When the above results in a negative number, there shall be no Underground Charge.

The Underground Charge shall be paid by the customer in advance of the Company’s construction (even if it exceeds \$6,000) and is nonrefundable if the line is built.

The Customer will be responsible for removal of ledge, trenching, backfilling in accordance with the Company’s construction standards and/or the “Specifications for Electrical Installations Information & Requirements for Electric Service” booklet as published by the Company from time to time, and shall comply with codes and requirements of legally constituted authorities having jurisdiction.

In addition, the Customer will be responsible for:

- i. providing, prior to the start of the Company’s construction, all applicable supporting documents and site plans required for the Company to prepare design drawings and easements, to be provided by the Customer in accordance with Section 14 below, for its facilities to be installed on private property;
- ii. providing and installing all required foundations (except for Company owned street light foundations), handholes, manholes, grounding systems, secondary cable, all conduit including spacers, glue and pulling strings,
- iii. etc. as indicated on the Company’s plan and related construction documents;
- iv. installing foundations, provided by the Company, for Company-owned street lights;

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICE

APPENDIX A

POLICY 1

LINE EXTENSION POLICY FOR INDIVIDUAL RESIDENTIAL CUSTOMERS

- v. supplying copies of all invoices, when requested, indicating manufacturer and part number for all such equipment listed above; equipment that is not approved shall not be used without the prior written consent of the Company;
- vi. installing, owning, and maintaining all secondary services and service conduit from the Company's equipment to the designated meter location(s); and
- vii. turning over ownership of the conduit system, excluding the service conduit, to the Company upon inspection and acceptance of the conduit system by the Company.

When underground service is requested, the Company shall be responsible for:

- i. supplying a list of approved manufacturers and their part numbers for equipment to be supplied by the Customer;
- ii. designating the location of all Company owned equipment, excluding street lights, and the service entrance and meter location(s);
- iii. providing Company-owned street light foundations;
- iv. providing, installing, owning and maintaining the transformer, Company owned street lights, meter and primary cable;
- v. making all connections to Company equipment; and
- vi. inspecting the underground conduit system and equipment foundations installed by the Customer, prior to backfilling.

9. Publication of Current Per Foot Costs

The Overhead Costs Per Foot and Underground Costs Per Foot for new construction shall be as calculated by the Company and placed on file with the Public Utilities Commission. These costs are included in the attachment to this policy.

10. Tree Trimming

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICEAPPENDIX A

POLICY 1

LINE EXTENSION POLICY FOR INDIVIDUAL RESIDENTIAL CUSTOMERS

The Customer will be responsible for all necessary tree trimming on private property. Tree trimming along public ways and common ways will remain the responsibility of the Company but may cause additional charges to be billed to the Customer if the type of work requires the Company to contract with a third party to trim trees for the purposes of clearing the space needed for the line work.

11. Line Extension Agreement

The Company will require the Customer to sign a Line Extension Agreement setting forth the terms of this policy and any other terms that the Company deems are reasonably necessary in connection with the installation line to the Customer's home, provided that such terms are not inconsistent with the terms expressed in this policy.

12. Temporary Service

This policy shall not apply to lines constructed for temporary service, unless the Company, in its sole discretion, deems it appropriate in the given circumstances of each case.

13. Winter Moratorium on Underground Construction

From the period of December 15 to April 1, the Company may decline, in its sole discretion, to install any underground facilities.

14. Easements

The Company will, as a condition on the installation of the service, require the Customer to provide the Company with an executed easement (drafted by the Company) for all facilities located on private property. The Customer will provide the easement prior to the start of the Company's construction and at no cost to the Company. In the event that third party rights are required for the Customer's installation, the Customer will be responsible for obtaining all third party rights or crossings at the Customer's expense.

15. Customer Request to Upgrade Service

When, in the Company's opinion, the Company is required to upgrade its distribution line, or any associated equipment, in order to accommodate a Customer's upgrade of the existing main switch to the Customer's premises, the terms of Policy 3 shall apply.

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICE

APPENDIX A

POLICY 1

LINE EXTENSION POLICY FOR INDIVIDUAL RESIDENTIAL CUSTOMERS

Effective: February 1, 2006

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICE

APPENDIX A

POLICY 1

LINE EXTENSION POLICY FOR INDIVIDUAL RESIDENTIAL CUSTOMERS

~~Narragansett Electric Company~~
~~Per Foot Costs for Line Extensions~~
~~For Individual Residential Customers~~

The Per Foot Costs referred to in the above policy are as follows:

Underground Cost Per Foot: ~~\$22.68~~37.30

Overhead Cost Per Foot: ~~\$15.03~~37.68

These costs are effective until the Rhode Island Public Utilities Commission is notified in writing of any changes (with a copy of the written notice provided to the Rhode Island Builders Association).

~~Effective: September 1, 2006~~

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICEAPPENDIX A

POLICY 2

LINE EXTENSION POLICY FOR RESIDENTIAL DEVELOPMENTS

When a developer, contractor, builder or other customer (“Developer”) proposing to construct a residential development or individual homes requests that distribution lines be constructed to serve the development or homes, the terms of this policy shall apply. This policy applies only to the installation of electric service by The Narragansett Electric Company (“Company”). The ~~Customer~~ Developer should contact other utilities to determine the utilities’ requirements governing the provision of their service and whether any costs and/or requirements are to be the responsibility of the ~~Customer~~ Developer.

1. Installation of Overhead Distribution Lines

The Company will provide a regular overhead distribution line to the development or individual homes designed to provide regular residential service to each home proposed in the project. The Company will determine the route of the line in consultation with the Developer. The Developer shall wire to the point designated by the Company, at which point the Company will connect its facilities. In addition, the Developer’s facilities shall comply with the Company’s construction standards and/or the “Specifications for Electrical Installations” ~~Information & Requirements for Electric Service~~ “booklet” as published by the Company from time to time and shall comply with codes and requirements of legally constituted authorities having jurisdiction.

2. Distance of Overhead Distribution Line Allowed Without Charge

The Company will provide 150 feet of overhead distribution line, not including the secondary service drop, per each “house lot” free of charge.

3. Overhead Line Extension

If the number of centerline feet of overhead distribution line required to serve the development (“Required Line Distance”) is greater than the “Allowed Distance” of 150 feet per “House Lot,” then there will be a charge to the Developer for the overhead line extension for the additional feet (“Overhead Installation Charge”). The additional charge shall be paid by the Developer in advance of the Company’s construction.

The Overhead Installation Charge will be equal to the “Overhead Cost Per Foot” times the number of feet in excess of the “Allowed Distance” of 150 feet per House Lot, (plus applicable tax contribution factor).

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICEAPPENDIX A

POLICY 2

LINE EXTENSION POLICY FOR RESIDENTIAL DEVELOPMENTS

When overhead service is requested, the Company shall be responsible for:

- i. installing (or having others install), owning (individually or jointly) and maintaining (individually or jointly) all poles, primary and secondary wires, transformers, service drops, meters, etc. that, in its opinion are required to provide adequate service;
- ii. designating the location of all Company owned equipment, excluding streetlights, and the service entrance and meter location(s); and
- iii. blasting and tree trimming and removal along public ways; the Company may charge the ~~Customer~~ Developer the cost of such blasting and tree trimming and removal if, in the Company's opinion, such cost is excessive; excessive cost shall be defined as the type of work which requires the Company to contract with a third party to remove the ledge through blasting or to trim trees for the purposes of clearing the space needed for the line work.

The Developer, at no cost to the Company, shall be responsible for:

- i. blasting and tree trimming and removal on private property, including roadways not accepted as public ways by the municipality, in accordance with the Company's specifications and subject to the Company's inspection.

The "Overhead Cost Per Foot" will be a predetermined cost per foot as calculated by the Company.

The Overhead Installation Charge is nonrefundable if the line is built.

4. Underground Lines

A Developer may request an underground distribution line in lieu of the regular overhead line. If requested, however, the Company will estimate the cost of providing the underground line to the development using a predetermined underground cost per foot ("Underground Cost Per Foot"). The Developer will be required to pay an "Underground Charge" equal to:

- (A) i. the difference between the estimated underground construction cost (based on Underground Cost Per Foot) and the estimated construction cost for a regular

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICEAPPENDIX A

POLICY 2

LINE EXTENSION POLICY FOR RESIDENTIAL DEVELOPMENTS

overhead line (based on the Overhead Cost Per Foot); plus

- ~~(B)~~ii. the Overhead Installation Charge, if any, that would have been paid for an overhead line in the development as calculated in Section 3 above; plus
- ~~(C)~~iii. a tax contribution factor based on the value of donated property and/or any cash contribution.

The Underground Charge shall be paid by the Developer in advance of the Company's construction and is nonrefundable if the line is built.

The Developer will be responsible for removal of ledge, trenching and backfilling in accordance with the Company's construction standards and/or the "Specifications for Electrical Installations~~Information & Requirements for Electric Service~~" booklet as published by the Company from time to time and shall comply with codes and requirements of legally constituted authorities having jurisdiction. In addition, the Developer will be responsible for:

- i. providing, prior to the start of the Company's construction, all applicable supporting documents required ~~for~~by the Company to prepare design drawings and ensure that the Developer is providing all necessary easements, in accordance with Section 10 below, for the locations of easements ~~for~~ its facilities to be installed on private property;
- ii. providing and installing all required foundations (except for Company-owned street light foundations), handholes, manholes, grounding systems, all conduit including spacers, glue and pulling strings, etc. as indicated on the Company's plan and related construction documents and in accordance with the Company's specifications;
- iii. installing foundations, provided by the Company, for proposed street lighting based on a plan approved, in writing, by a Municipality, which includes agreement by that Municipality to accept responsibility for payment of the lights once the lights are energized;
- iv. supplying copies of all invoices, when requested, indicating manufacturer and part number for all such equipment listed above; equipment that is not approved shall not be used without the prior written consent of the Company;

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICE

APPENDIX A

POLICY 2

LINE EXTENSION POLICY FOR RESIDENTIAL DEVELOPMENTS

- v. installing, owning, and maintaining all secondary services and service conduit from the Company's equipment to each designated meter location; and
- vi. turning over ownership of the conduit system, excluding the service conduit, to the Company upon inspection and acceptance of the conduit system by the Company.

When underground service is requested, the Company shall be responsible for:

- i. developing the plan to provide underground electric service;
- ii. supplying a list of approved manufacturers and their part numbers for equipment to be supplied by the ~~Customer~~ Developer;
- iii. designating the location of all Company-owned equipment, excluding street lights, and the service entrance and meter location(s);
- iv. providing Company-owned street light foundations;
- v. providing, installing, owning and maintaining all transformers, Company-owned street lights, primary and secondary cable, except services;
- vi. making all connections to Company equipment; and
- vii. inspecting the underground conduit system and equipment foundations installed by the ~~Customer~~ Developer, prior to backfilling.

5. Publication of Current Per Foot Costs

The Overhead Costs Per Foot and Underground Costs Per Foot for new construction shall be as calculated by the Company and placed on file with the Public Utilities Commission ("Commission"). These costs are included in the attachment to this policy.

The Company also will provide such "Overhead and Underground Costs Per Foot" and the method of calculating the applicable tax contribution factor to anyone who inquires.

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICEAPPENDIX A

POLICY 2

LINE EXTENSION POLICY FOR RESIDENTIAL DEVELOPMENTS

If the Company changes the Overhead and Underground Cost Per Foot or method of calculating the tax contribution factor, it will notify the Commission in writing and provide a copy of the written notice to the Rhode Island Builders Association, if in existence.

The Company will not increase the Overhead or Underground Costs Per Foot by more than 10% per year without specific approval from the Commission and advance notice to the Rhode Island Builders Association, if in existence.

6. Developer Provides Plans and Documentation

The total number of house lots proposed to be constructed (“House Lots”) will be provided in advance to the Company by the Developer (prior to the Company building the distribution line), along with an electronic copy (in a format acceptable to the Company) of the subdivision plan approved by the planning board in the applicable community.

The Company may require the Developer to provide, in advance, the following:

- ~~(A)~~i. a copy of the approval of the planning board for the subdivision;
- ~~(B)~~ii. a copy of all permits and approvals that have been obtained for constructing the development;
- ~~(C)~~iii. the name and address of the bank or credit union providing financing for the development, including a contact person and phone number;
- ~~(D)~~iv. a copy of a city/town-approved street light proposal for the development. If installation is requested after construction is completed, the actual, incremental cost of installing the street lights may be borne by the city/town if the tariff does not collect all costs of construction.
- ~~(E)~~v. a schedule or Developer’s best estimate for the construction of homes in the development; and
- ~~(F)~~vi. if requested by the Company, such other reasonable information that may be requested to confirm the viability of the development.

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICE

APPENDIX A

POLICY 2

LINE EXTENSION POLICY FOR RESIDENTIAL DEVELOPMENTS

7. Building the Distribution Line in Segments

The Company may, in its own discretion, construct the distribution line in segments, rather than all at once in the proposed development.

8. Line Extension Agreement

The Company will require the Developer to sign a Line Extension Agreement setting forth the terms of this policy and any other terms that the Company deems are reasonably necessary in connection with the installation of a distribution line in the development, provided that such terms are not inconsistent with the terms expressed in this policy.

9. Winter Moratorium on Underground Construction

From the period of December 15 to April 1, the Company may decline, in its sole discretion, to install any underground facilities.

10. Easements

The Company will require the Developer to provide the Company with executed easements (drafted by the Company) for all facilities to reach and serve the development. The Developer will provide the easement prior to the start of the Company's construction and at no cost to the Company. In the event that third party rights are required for the Developer's installation, the Developer will be responsible for obtaining all third party rights or crossings at the Developer's expense.

Effective: February 1, 2006

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICE

APPENDIX A

POLICY 2

LINE EXTENSION POLICY FOR RESIDENTIAL DEVELOPMENTS

~~Narragansett Electric Company~~
~~Per Foot Costs for Line Extensions~~
~~For Residential Developments~~

The Per Foot Costs referred to the above policy are as follows:

Underground Cost Per Foot: ~~\$22.68~~37.30

Overhead Cost Per Foot: ~~\$15.03~~37.68

These costs are effective until the Rhode Island Public Utilities Commission is notified in writing of any changes (with a copy of the written notice provided to the Rhode Island Builders Association).

Effective: ~~September 1, 2006~~

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICEAPPENDIX A

POLICY 3

LINE EXTENSION AND CONSTRUCTION ADVANCE POLICY
FOR COMMERCIAL, INDUSTRIAL AND EXISTING RESIDENTIAL CUSTOMERS

The terms of this policy shall apply when a commercial, industrial, or non-residential (a real estate development which is not an approved subdivision of single-family homes) customer ("Customer") requests that a distribution line and/or other facilities ("New Facilities") necessary to properly supply electricity to the Customer's facilities be installed. This policy applies only to the installation of electric service by The Narragansett Electric Company ("Company"). The Customer should contact other utilities to determine the utilities' requirements governing the provision of their service and whether any costs and/or requirements are to be the responsibility of the Customer.

The terms of this policy shall also apply to an individual residential customer whose upgrade of the existing main switch to his/her premises will, in the Company's opinion, require the Company to upgrade its distribution line or associated equipment. In applying this policy, the Company will estimate any additional incremental revenue that may be realized as a result of the upgraded service for the purposes of determining whether a Construction Advance is required from the residential customer.

1. Amount of Overhead Distribution Provided without Charge

If the New Facilities being requested by the Customer consists of an overhead, single phase, secondary voltage distribution line extension that does not exceed two poles and two spans of line, the Company will provide the poles and spans of line needed to serve the New Facilities plus a service drop (that does not require a carrier pole) free of charge to the Customer. Otherwise, the costs of all poles and spans of line determined by the Company as needed to serve the New Facilities will be included in the cost component of the Construction Advance Formula described below.

2. Estimated Revenue

Before undertaking the construction of the New Facilities to serve the Customer, the Company will estimate the annual incremental revenue to be derived by the Company under the ~~local~~ distribution service rates from the installation of the New Facilities.

3. Construction Advance

The Company will determine the facilities required to meet the distribution service requirements of the Customer. Facilities in excess of those required to meet the distribution service requirements of the Customer are outside the scope of this policy and may entail

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICEAPPENDIX A

POLICY 3

LINE EXTENSION AND CONSTRUCTION ADVANCE POLICY
FOR COMMERCIAL, INDUSTRIAL AND EXISTING RESIDENTIAL CUSTOMERS

additional payments from the Customer.

In accordance with the formula below (the “Formula”), the Company shall determine whether a payment by the Customer of a Construction Advance shall be required. The Construction Advance shall be paid by the customer in advance of the Company’s construction.

$$\text{Construction Advance (A)} = [C - [D \times M] \div K]$$

where

- A= Construction Advance paid to the Company by the Customer.
- C= The total estimated cost of construction for facilities required exclusively to meet the distribution service requirements of the Customer. This cost includes capital and non-capital costs and the Company’s liability for tax required on the value of the material and labor provided by the Customer. Where these new or upgraded facilities are not solely to provide service to the Customer, the Company shall appropriately apportion these costs.
- D= For a single customer, the estimated annual Distribution Revenue derived from the Customer within the first year following the completion of the Company’s construction of facilities; or for developments, the estimated additional annual Distribution Revenue derived from those new customers in the development anticipated to be supplied directly with electric service within one year from the commencement of the delivery of electricity to the first customer in the development.
- M= 0.5, the revenue apportionment factor.
- K= The annual carrying charge factor, expressed as a decimal.

Where the calculation of (A) results in a positive number, a Construction Advance in the amount of (A) shall be required from the Customer. Where the calculation of (A) results in a negative number, (A) shall be considered to be zero. Where the calculation of (A) results in a Construction Advance of \$500 or less, the payment of the Construction Advance will be waived. The Company shall exercise good faith in making each estimate and determination required above.

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICEAPPENDIX A

POLICY 3

LINE EXTENSION AND CONSTRUCTION ADVANCE POLICY
FOR COMMERCIAL, INDUSTRIAL AND EXISTING RESIDENTIAL CUSTOMERS

Any revenues from Transmission Service, the Non-Bypassable Transition Charge, Standard Offer Service rates, Last Resort Service, and the Demand Side Management Charge, the Energy Efficiency Program Charge, the Long Term Contracting for Renewable Energy Recovery Factor, and the Net Metering Charge shall be excluded from this calculation.

The Construction Advance in the formula shall be further adjusted to include a tax contribution factor on the cash value of the Construction Advance, excluding the value of the tax contribution on any donated property received from the Customer. This tax contribution factor shall be paid in full by the Customer prior to the start of construction.

4. Refund

Whenever the Company collects a Construction Advance from the Customer, the Customer has the option to request the Company to perform a one-time recalculation of the Construction Advance payment using actual construction costs and actual Distribution Revenue to determine if a refund of all or a portion of the original payment is warranted. The request for the one-time review may be made at any time between twelve and thirty-six (36) months after commencement of the delivery of electricity.

To determine the refund, the Formula shall be modified as follows:

C= The actual cost of construction. If the actual cost of construction exceeds the estimate, then the estimated cost of construction shall be used. This cost includes capital and non-capital costs and the Company's liability for tax required on the value of the material and labor provided by the Customer. Where these new or upgraded facilities are not solely to provide service to the Customer, the Company shall appropriately apportion these costs.

D= The actual annual Distribution Revenue for the most recent twelve months.

M= 0.5, the revenue apportionment factor.

K= The annual carrying charge factor, expressed as a decimal.

If a lower or negative (A) results from applying the Formula as so modified, and if, in the Company's opinion, a risk does not exist regarding either a future reduction in the level of the

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICEAPPENDIX A

POLICY 3

LINE EXTENSION AND CONSTRUCTION ADVANCE POLICY
FOR COMMERCIAL, INDUSTRIAL AND EXISTING RESIDENTIAL CUSTOMERS

Customer's usage or the collectability of the Customer's account, then the Company shall refund a portion of or the entire calculated Construction Advance, or the full cost of construction, without interest. In no case shall the amount refunded exceed the original Construction Advance (A); nor shall the review result in additional payments from the Customer.

If a refund is made, the Company will refund the appropriate portion of any tax contribution factor at the current tax rate.

5. Overhead Line Extension

When overhead service is requested, the Company shall be responsible for:

- i. installing (or having others install), owning (individually or jointly) and maintaining (individually or jointly) all poles, primary and secondary wires, transformers, service drops, meters, etc. that, in its opinion are required to provide adequate service;
- ii. designating the location of all Company owned equipment, excluding streetlights, and the service entrance and meter location(s); and
- iii. blasting and tree trimming and removal along public ways; the Company may charge the Customer the cost of such blasting and tree trimming and removal if, in the Company's opinion, such cost is excessive; excessive cost shall be defined as the type of work which requires the Company to contract with a third party to remove ledge through blasting or to trim trees for the purposes of clearing the space needed for the line work.

The Customer, at no cost to the Company, shall be responsible for:

- i. blasting and tree trimming and removal on private property, including roadways not accepted as public ways by the municipality, in accordance with the Company's specifications and subject to the Company's inspection.

The Company may, at its discretion, construct the distribution line in segments rather than all at once in the proposed development.

6. Underground Lines

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICEAPPENDIX A

POLICY 3

LINE EXTENSION AND CONSTRUCTION ADVANCE POLICY
FOR COMMERCIAL, INDUSTRIAL AND EXISTING RESIDENTIAL CUSTOMERS

(A) If the Customer requests an underground distribution line in lieu of the standard overhead line, the Company will give reasonable consideration to the request. If the Company believes that there are technical complications, safety issues, engineering concerns, or other reasonable concerns regarding the feasibility and/or maintenance of an underground system in the given circumstances, the Company may decline to provide underground service.

(B) If the Company agrees to underground service, the Customer will be responsible for removal of ledge, trenching and backfilling in accordance with the Company's construction standards and/or the "Specifications for Electrical Installations Information & Requirements for Electric Service" booklet as published by the Company from time to time and shall comply with the codes and requirements of legally constituted authorities having jurisdiction.

In addition, the Customer will be responsible for:

- i. providing, prior to the start of the Company's construction, all applicable supporting documents and electronically formatted site plans required for the Company to prepare design drawings and to ensure the Customer is providing all necessary easements, in accordance with Section 8 below, for the locations of the Company's facilities to be installed on private property;
- ii. providing and installing all required foundations (except for Company owned street light foundations), handholes, manholes, grounding systems, secondary cable, all conduit including spacers, glue and pulling strings, etc., as indicated on the Company's plan and related construction documents and in accordance with the Company's specifications;
- iii. Installing foundations, provided by the Company, for Company-owned street lights;
- iv. supplying copies of all invoices, when requested, indicating manufacturer and part number for all such equipment listed above; equipment that is not approved shall not be used without the prior written consent of the Company;
- v. retaining ownership of transformer foundations and grounding systems, and all secondary cables and conduit on private property, excluding Company-owned street lighting; and

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICE

APPENDIX A

POLICY 3

LINE EXTENSION AND CONSTRUCTION ADVANCE POLICY
FOR COMMERCIAL, INDUSTRIAL AND EXISTING RESIDENTIAL CUSTOMERS

- vi. turning over ownership of the conduit system, excluding the secondary conduit, to the Company upon inspection and acceptance of the conduit system by the Company.

When underground service is requested, the Company shall be responsible for:

- i. developing the plan to provide underground electric service;
- ii. supplying a list of approved manufacturers and their part numbers for equipment to be supplied by the Customer;
- iii. designating the location of all Company-owned equipment, excluding street lights, and the service entrance and meter location(s);
- iv. providing Company-owned street light foundations;
- v. providing, installing, owning and maintaining all transformers, primary cable, related primary equipment, Company-owned street lights, and meters;
- vi. making all connections to Company equipment; and
- vii. inspecting the underground conduit system and equipment foundations installed by the Customer, prior to backfilling.

7. Winter Moratorium on Underground Construction

From December 15 to April 1, the Company may decline, in its sole discretion, to install any underground facilities.

8. Easements

The Company will require the Customer to provide the Company a permanent executed easement (drafted by the Company) for all facilities to reach and serve the New Facilities. The Customer will provide the easement prior to the start of the Company's construction and at no cost to the Company. In the event that third party rights are required for the Customer's

THE NARRAGANSETT ELECTRIC COMPANY

TERMS AND CONDITIONS FOR DISTRIBUTION SERVICE

APPENDIX A

POLICY 3

LINE EXTENSION AND CONSTRUCTION ADVANCE POLICY
FOR COMMERCIAL, INDUSTRIAL AND EXISTING RESIDENTIAL CUSTOMERS

installation, the Customer will be responsible for obtaining all third party rights or crossings at the Customer's expense.

9. Additional Payment

When, in the Company's opinion, significant engineering is required to determine the method of service or prepare construction estimates, the Company will estimate the cost of such engineering. The Company may charge the Customer this cost before engineering begins. If construction is undertaken, this payment will be applied to any required Construction Advance. If construction is not undertaken, the Company will refund any balance not spent. If no Construction Advance is required, the entire additional advance payment will be refunded.

Effective: February 1, 2006

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
ENERGY EFFICIENCY PROGRAM PROVISION

All Customers receiving Retail Delivery Service from The Narragansett Electric Company (Company) will be charged for the Company's cost effective Energy Efficiency Program (EEP) pursuant to R.I. Gen. Laws Section 39-1-27.7. The charge for the Company's EEP will be a uniform per kWh charge applicable to all rate classes (EEP Charge).

The Company will file its EEP Charge on or before October 15 of each year. In any year in which the Company is required to file a triennial Energy Efficiency Procurement Plan, the Company will file the EEP Charge by November 1. The EEP Charge shall be effective on the following January 1.

The EEP Charge will be designed to collect the estimated incremental costs of the Company's upcoming EEP that are not otherwise funded through other sources, plus any projected over or under funding of the current program year's expenditures, including interest earned at the rate in effect for customer deposits. The EEP Charge shall be adjusted to include an allowance for the Company's uncollectible accounts receivables associated with amounts billed through the EEP Charge at the uncollectible percentage approved by the Commission in the Company's most recent general rate case ~~rate of 1.25%~~. Other funding sources will include (1) revenue generated by ISO-New England's Forward Capacity Market; (2) revenue generated through Regional Greenhouse Gas Initiative permit auctions; and (3) other funding as approved by the Commission. The EEP shall also reconcile actual and projected costs incurred by the Company for the current plan period against actual and projected funding received from all sources (including the EEP Charge). Any projected amounts included in the annual EEP Charge filing are subject to reconciliation to actual amounts and any difference will be reflected in a future annual EEP Charge filing. The Company may file to change the EEP Charge at any time should significant over- or under-recoveries occur.

Each adjustment of the prices under the Company's applicable rates shall be in accordance with a notice filed with the Commission setting forth the amount of the increase or decrease and the new EEP Charge.

This provision is applicable to all Retail Delivery Service rates of the Company.

~~Effective Date: November 1, 2016~~

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
TRANSMISSION SERVICE COST ADJUSTMENT PROVISION

The Transmission Service Cost Adjustment (TCA) shall ~~recover~~^{collect} from customers transmission costs billed to The Narragansett Electric Company (Narragansett or the Company) by entities such as New England Power Company, by any other transmission provider, and by regional transmission entities such as ~~the Independent System Operator-New England~~^{the New England Power Pool}, a regional transmission group, ~~an independent system operator or any other~~ entity that is authorized to bill Narragansett directly for transmission services. ~~Costs collected through this provision may include the cost of transmission engineering associated with the design of an undersea transmission cable interconnecting Block Island (Town of New Shoreham) to the mainland and constructed pursuant to R.I.G.L. Section 39-26.1-7.~~ In addition, the TCA shall be adjusted to include an allowance for the Company's uncollectible accounts receivables associated with amounts billed through the TCA at the rate approved by the Commission.

The TCA Factor shall be calculated separately for each of the Company's rate classes. The TCA Factor shall be established annually based on a forecast of transmission costs, the adjustment for transmission-related uncollectible amounts based on the uncollectible percentage approved by the Commission in the Company's most recent general rate case, currently 1.25% as approved in R.I.P.U.C. Docket No. 4323, a full reconciliation and adjustment for any over- or under-recoveries of transmission costs incurred during the prior year, and the reconciliation of the allowance for transmission-related uncollectible amounts as described below. The Company may file to change the TCA at any time should significant over- or under-recoveries occur.

The allowance for transmission-related uncollectible amounts shall be estimated for purposes of setting the TCA Factor for the upcoming year as the approved rate applied to the sum of (1) the forecast of transmission costs as allocated to each of the Company's rate classes on the basis of coincident peak demand and (2) any over- or under-recoveries from the prior year allocated to rate classes on the basis of each class' monthly coincident peak demand during the reconciliation period. This amount shall be subject to reconciliation only for actual transmission revenue billed by the Company over the applicable period.

Modifications to the TCA Factor shall be in accordance with a notice filed with the Public Utilities Commission setting forth the amount of the revised factor and the amount of the increase or decrease. The notice shall further specify the effective date of such charges.

Effective: February 1, 2013

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
INFRASTRUCTURE, SAFETY, AND RELIABILITY PROVISION

In accordance with the provisions of *An Act Relating to Public Utilities and Carriers – Revenue Decoupling*, the prices for electric distribution service contained in all of the Company’s tariffs are subject to adjustment to reflect the operation of its Electric Infrastructure, Safety, and Reliability (“ISR”) Provision.

I. Infrastructure Investment Mechanism

A. Definitions

“Actual Capital Investment” shall mean the sum of i) “Discretionary Capital Investment” and ii) “Non-Discretionary Capital Investment”, as defined below, plus cost of removal.

“CapEx Factor” shall mean the per-kWh factor for non-demand rate classes designed to recover the Cumulative Revenue Requirement, as allocated by the Rate Base Allocator, based on Forecasted kWh for the Current Year for each non-demand rate class. For demand-based rate classes Rate G-02, and Rates G-32/B-32, and Rates G-62/B-62, the CapEx Factor shall mean the per-kWh factor based on Forecasted kWh for the Current Year and historic load factors for each demand-based rate class.

“CapEx Reconciling Factor” shall mean the per-kWh factor designed to recover or refund the over or under billing of the actual Cumulative Revenue Requirement, as allocated by the Rate Base Allocator, for the prior fiscal year, based on Forecasted kWh for the recovery/refund period beginning October 1.

“Cumulative CapEx” shall mean the cumulative Actual Capital Investment for years prior to the Current Year plus Forecasted Capital Investment for the Current Year, recorded since ~~January 31, 2014~~ the end of the Company’s rate year in its most recent general rate case and reflecting any difference between Actual Capital Investment and Forecasted Capital Investment for ~~the any~~ period during which Forecasted Capital Investment has not been reconciled to Actual Capital Investment, including through April 1, 2011 through January 31, 2014, ~~the end of the Company’s rate year in its most recent general rate case in docket RIPUC 4323.~~

“Cumulative Revenue Requirement” shall mean the return and taxes on year-end cumulative Incremental Rate Base, at a rate equal to the pre-tax weighted average cost of capital as approved by the Commission in the most recent proceeding before the Commission, plus the annual depreciation on Cumulative CapEx as defined above, plus the annual municipal property taxes on Cumulative CapEx, as calculated in the illustration below.

“Current Year” shall mean the fiscal year beginning April 1 of the current year and running through March 31 of the subsequent year during which the proposed CapEx Factor and O&M Factor will be in effect.

THE NARRAGANSETT ELECTRIC COMPANY
INFRASTRUCTURE, SAFETY, AND RELIABILITY PROVISION

“Discretionary Capital Investment” shall mean capital investment, other than ‘Non-Discretionary’ Capital Investment defined below, approved by the Commission as part of the Company’s annual electric ISR Plan and shall be defined as the lesser of a) actual ‘discretionary’ electric plant in service or b) approved ‘discretionary’ capital spending for Discretionary Capital Investment plus related cost of removal recorded by the Company for a given fiscal year associated with electric distribution infrastructure.

“Forecasted Capital Investment” shall mean the estimated capital investment and cost of removal anticipated to be incurred/recorded by the Company for a given fiscal year associated with electric distribution infrastructure consistent with its capital forecast.

“Forecasted kWh” shall mean the forecasted amount of electricity, as measured in kWh, to be distributed to the Company’s distribution customers for the twelve month period during which the proposed factors, as defined in this ISR Provision, will be in effect.

“Incremental Rate Base” shall mean the Cumulative CapEx adjusted for accumulated depreciation and calculated accumulated deferred taxes on Cumulative CapEx since ~~January 31, 2014~~ the end of the Company’s rate year in its most recent general rate case, and reflecting any difference between Actual Capital Investment and Forecasted Capital Investment ~~for the period April 1, 2011 through January 31, 2014~~, including through the end of the Company’s rate year in its most recent general rate case in docket RIPUC 4323.

“Non-Discretionary Capital Investment” shall mean capital investment related to the Company’s commitment to meet statutory and/or regulatory obligations which amount shall be approved by the Commission as part of the Company’s annual electric ISR Plan and shall be defined as the lesser of a) ‘non-discretionary’ electric plant in service or b) actual ‘non-discretionary’ capital spending for ‘Non-Discretionary’ Capital Investment plus related cost of removal recorded by the Company for a given fiscal year associated with electric distribution infrastructure.

“Rate Base Allocator” shall mean the percentage of total rate base allocated to each rate class taken from the most recent proceeding before the Commission that contained an allocated cost of service study.

B. Recovery Mechanism

The CapEx Factors shall recover the Cumulative Revenue Requirement on Cumulative CapEx as approved by the Commission in the Company’s annual Electric ISR Filings. The CapEx Factors shall be applicable for the twelve-month period commencing April 1.

The Company’s electric ISR mechanism shall include an annual CapEx Factor reconciliation which will reconcile actual Cumulative Revenue Requirement to actual billed revenue generated from the CapEx Factors for the applicable Current Year. The recovery or refund of the reconciliation amounts (either positive or negative) shall be reflected in CapEx

THE NARRAGANSETT ELECTRIC COMPANY
INFRASTRUCTURE, SAFETY, AND RELIABILITY PROVISION

Reconciling Factors. The Company shall submit a filing by August 1 of each year (“Reconciliation Filing”), in which the Company shall propose the CapEx Reconciling Factors to become effective for the twelve months beginning October 1. The amount approved for recovery or refund through the CapEx Reconciling Factors shall be subject to reconciliation with amounts billed through the CapEx Reconciling Factors and any difference reflected in future CapEx Reconciling Factors.

II. Operation and Maintenance Mechanism

A. Definitions

“Actual I&M Expense” shall mean the O&M expense recorded by the Company for a given fiscal year associated with its I&M Program.

“Actual VM Expense” shall mean the O&M expense recorded by the Company for a given fiscal year associated with vegetation management.

“Forecasted I&M Expense” shall mean the O&M expense budgeted by the Company for a given fiscal year associated with its I&M Program.

“Forecasted VM Expense” shall mean the O&M expense budgeted by the Company for a given fiscal year associated with vegetation management.

“I&M Program” shall mean the Company’s Inspection and Maintenance Program and related inspection and maintenance activities.

“O&M” shall mean expenses of the Company recorded in FERC regulatory accounts 580 through 598 pursuant to FERC’s Code of Federal Regulations.

“O&M Allocator” shall mean the percentage of total O&M allocated to each rate class taken from the most recent proceeding before the Commission that contained an allocated cost of service study.

“O&M Factor” shall mean the per-kWh factor for all rate classes, except for Rates ~~B-62/G-62 B-32~~, designed to recover the Forecasted I&M Expense and Forecasted VM Expense for the Current Year, as allocated by the O&M Allocator, based on Forecasted kWh for the Current Year for each rate class. For Rates ~~G-62/B-62 B-32~~, the O&M Factor shall mean the per-kWh factor based on Forecasted kWh for the Current Year and historic load factors for the rate class.

“O&M Reconciling Factor” shall mean the uniform per-kWh factor designed to recover or refund the under or over billing of Actual I&M Expense and Actual VM Expense for the prior fiscal year, based on Forecasted kWh for the recovery/refund period beginning October 1.

THE NARRAGANSETT ELECTRIC COMPANY
INFRASTRUCTURE, SAFETY, AND RELIABILITY PROVISION

B. Recovery Mechanism

The O&M Factor shall recover the sum of the annual Forecasted I&M Expense and Forecasted VM Expense as approved by the Commission in the Company's annual Electric ISR Filings. The O&M Factor shall be applicable for the twelve-month period commencing April 1.

The Company's Electric ISR mechanism shall include an annual O&M Factor reconciliation which will reconcile Actual I&M Expense and Actual VM Expense to actual billed revenue from the O&M Factor for the Current Year. The recovery or refund of the reconciliation amount (either positive or negative) shall be reflected in the O&M Reconciling Factor. In its Reconciliation Filing, the Company shall propose the O&M Reconciling Factor to become effective for the twelve months beginning October 1. The amount approved for recovery or refund through the O&M Reconciling Factor shall be subject to reconciliation with amounts billed through the O&M Reconciling Factor and any difference reflected in a future O&M Reconciling Factor.

III. Annual Electric Infrastructure, Safety, and Maintenance Plan

By January 1 of each year, the Company shall submit to the Commission for review and approval its proposed Electric Infrastructure, Safety, and Reliability Plan ("Electric ISR Plan") for the upcoming Current Year. The Electric ISR Plan shall consist of Forecasted Capital Investment, Forecasted I&M Expense, Forecasted VM Expense, and, if mutually agreed upon by the Division and the Company, the revenue requirement, whether the result of capital investment or O&M expenditures, of any other cost relating to maintaining safe and reliable electric service.

IV. Annual Report on Electric ISR Plan Activities

The Company's August 1 Reconciliation Filing shall include an annual report on the prior fiscal year's activities. In implementing its Electric ISR Plan, the circumstances encountered during the year may require reasonable deviations from the original plans approved by the Commission. In such cases, in the annual report, the Company would include an explanation of any deviations in excess of ten (10) percent above Forecasted Capital Investment, Forecasted I&M Expense, and Forecasted VM Expense. For cost recovery purposes, the Company has the burden to show that any such deviations were due to circumstances out of its reasonable control or, if within its control, were reasonable and prudent.

V. Adjustments to Rates

Modifications to the factors contained in this Electric ISR Provision shall be in accordance with a notice filed with the Commission setting forth the amount(s) of the revised factor(s) and the amount(s) of the increase(s) or decrease(s). The notice shall further specify the effective date of such charges.

THE NARRAGANSETT ELECTRIC COMPANY
 INFRASTRUCTURE, SAFETY, AND RELIABILITY PROVISION

National Grid - RI Electric
 d/b/a National Grid
 Illustrative ISR Property Tax Recovery Calculation

Line	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
Effective tax Rate Calculation									
	<u>RY End</u>	<u>ISR Additions</u>	<u>Non-ISR Add's</u>	<u>Total Add's</u>	<u>Bk Depr (1)</u>	<u>Retirements</u>	<u>COR</u>	<u>End of Yr 1</u>	
1	Plant In Service	\$13,584,700	\$55,000	\$2,000	\$57,000		(\$9,400)	\$13,632,300	
2									
3	Accumulated Depr	\$611,570				\$45,039	(\$9,400)	\$640,009	
4							(\$7,200)		
5	Net Plant	\$12,973,130						\$12,992,291	
6									
7	Property Tax Expense	\$29,743						\$31,274	
8									
9	Effective Prop tax Rate	0.23%						0.24%	
10									
11									
12		<u>Yr 2 Beg</u>	<u>ISR Additions</u>	<u>Non-ISR Add's</u>	<u>Total Add's</u>	<u>Bk Depr (1)</u>	<u>Retirements</u>	<u>COR</u>	<u>End of Yr 2</u>
13									
14	Plant In Service	\$13,632,300	\$60,000	\$2,200	\$62,200		(\$9,500)	\$13,685,000	
15									
16	Accumulated Depr	\$640,009				\$45,039	(\$9,500)	\$668,148	
17							(\$7,400)		
18	Net Plant	\$12,992,291						\$13,016,852	
19									
20	Property Tax Expense	\$31,274						\$32,897	
21									
22	Effective Prop tax Rate	0.24%						0.25%	
23									
24									
25		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
26	Property Tax Recovery Calculation								
27		<u>ISR YR 1</u>			<u>ISR YR 2</u>				
28									
29	ISR Additions		\$55,000				\$60,000		
30	Rate Year Book Depr		(\$45,039)				(\$45,039)		
31	COR - ISR YR		\$7,200				\$7,400		
32									
33	Net Plant Additions		\$17,161				\$22,361		
34									
35	RY Effective Tax Rate		0.23%				0.23%		
36	Year 1 ISR Property Tax Recovery			\$39				\$51	
37	Year 2 ISR Property Tax Recovery							\$35	
38									
39	ISR Year Effective Tax Rate	0.24%				0.25%			
40	RY Effective Tax Rate	0.23%	0.01%			0.23%	0.02%		
41									
42	RY Net Plant	\$12,973,130				\$12,973,130			
43	ISR Yr 1 Net Adds	\$17,161				\$15,291			
44	ISR Yr 2 Net Adds		\$12,990,291			\$22,361	\$13,010,782		
45				\$1,487				\$3,052	
46									
47	Total ISR Property Tax Recovery			\$1,526				\$3,139	
48									
49	Incremental ISR Property Tax Recovery			\$1,526				\$1,612	

Line Notes

- 1 Col (a) per Rate Year cost of service, Col (b), (cc), (d) and (f) per Actual ISR filing Col (e) equals Base Rate depreciation expense allowance
- 3 Col (a) per Rate Year cost of service, (e) equals Base Rate depreciation expense allowance Col (h) Col (b), (cc), (d) and (f) per Actual ISR filing
- 7 Col (a) Base Rate property tax expense allowance
- 36 Line 33 times Line 35
- 37 Col (g) equals Line 43, Col (e) Times Rate Year effective Property Tax Rate Line 9 Col (a) - (15,291 X 3.97%)
- 43 Col (e) equals Line 33, Col (b) less ISR Yr 1 additions, Line 29, Col (b) times composite book depreciation rate of 3.4% - (17,161 - 55,000 X 3.4%)
- 45 Line 40 times Line 44

Effective: February 1, 2013

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
PENSION ADJUSTMENT MECHANISM PROVISION

The prices for Retail Delivery Service contained in all the rates of the Company are subject to adjustment to reflect a Pension and ~~other post-employment benefits (“OPEB”)~~Post-Retirement Benefits Other than Pensions (“PBOP”) Adjustment Factor (“PAF”). The PAF shall recover from or credit to customers the prior fiscal year’s reconciliation of the Company’s actual Pension and PBOP expenses to the Company’s Pension and PBOP expense allowance included in base distribution rates, including interest at the rate of interest paid on customer deposits. ~~designed to recover the Company’s~~ The recoverable actual Pension and PBOP amount shall reflect expense recorded on the Company’s books of account pursuant to the Financial Accounting Standards Board (“FASB”) Accounting Standards Codification Topic 715, Compensation-Retirement Benefits, as amended in March 2017 in a FASB Accounting Standards Update (formerly Statement of Financial Accounting Standards (“SFAS”) 87 and SFAS 106) associated with pension and ~~OPEB~~PBOP.

~~The PAF shall recover or refund the prior year’s reconciliation of the Company’s actual pension and OPEB expenses to the Company’s most recently approved pension and OPEB expense allowance included in distribution base rates, including interest at the rate of interest paid on customer deposits. The PAF will be computed on an annual basis for the twelve months ended March 31 and will be based on the difference in the Company’s actual pension and ~~OPEB~~PBOP expense for the prior twelve month period ended March 31 and the base distribution ~~base~~-rate allowance, plus carrying charges at the weighted average cost of capital on the cumulative five quarter average underfunding of the pension and ~~OPEB~~PBOP Minimum Funding Obligation for the fiscal year ended March 31. The Minimum Funding Obligation will be equal to the amount of pension and ~~OPEB~~PBOP costs collected from customers during the fiscal year, plus the amounts of pension and ~~OPEB~~PBOP costs capitalized during the year. The amount collected from customers during the fiscal year would include (1) pension and ~~OPEB~~PBOP allowance included in base rates, and (2) amounts collected or refunded through the PAF. For the purpose of determining its Minimum Funding Obligation and the carrying costs that apply to that obligation, the Company shall be permitted to combine the funding of pensions and PBOPs, thereby offsetting any deficiencies in PBOPs funding with any excess pension funding, or conversely offsetting any deficiencies in pension funding with any excess PBOP funding. The Company will be required to accrue and defer carrying charges on only the net unfunded pension/PBOP amount.~~

The PAF shall be a uniform per kilowatt-hour factor based on the estimated kilowatt-hours to be delivered by the Company to its retail delivery customers. For billing purposes, the PAF will be included with the distribution kWh charge on customers’ bills.

Adjustments to rates pursuant to the Pension Adjustment Mechanism Provision are subject to review and approval by the Commission. Modifications to the factor contained in this Provision shall be in accordance with a notice filed with the Commission pursuant to R.I.G.L. § 39-3-11(a) setting forth the amount(s) of the revised factor(s) and the amount(s) of the increase(s) or decrease(s). The notice shall further specify the effective date of such charges.

THE NARRAGANSETT ELECTRIC COMPANY
PENSION ADJUSTMENT MECHANISM PROVISION

This provision is applicable to all Retail Delivery Service tariffs of the Company.

Effective: February 1, 2013

Issued: August 16, 2018

Effective: September 1, 2018

NARRAGANSETT ELECTRIC COMPANY
REVENUE DECOUPLING MECHANISM PROVISION

In accordance with *An Act Relating to Public Utilities and Carriers – Revenue Decoupling*, the prices for distribution service contained in all of the Company’s tariffs are subject to adjustment to reflect the operation of its Revenue Decoupling Mechanism (“RDM”) Provision.

I. Definitions

“Actual Billed Distribution Revenue” shall mean the amounts the Company has billed during the applicable RDM Year for customer charges, distribution demand charges, distribution energy charges, Second Feeder Service charges, and any other charges or discounts that the Company records as distribution revenue. Actual Billed Distribution Revenue shall not include charges billed pursuant to the provisions of the Infrastructure, Safety and Reliability Provision- ~~R.I.P.U.C. No. 2044~~, as may be amended from time to time. Actual Billed Distribution Revenue shall exclude the RDM Adjustment Factor, as it is subject to its own reconciliation.

“Annual Target Revenue” or “ATR” shall mean the revenue requirement as approved by the Commission less any adjustments to that revenue requirement as approved by the Commission.

“RDM Year” shall mean the twelve-month period beginning April 1.

“Forecasted kWh” shall mean the forecasted amount of electricity, as measured in kWh, to be distributed to the Company’s retail delivery service customers for the twelve month period during which the proposed RDM Adjustment Factor will be in effect.

“RDM Adjustment Factor” shall mean a per-kWh factor equal to the RDM Reconciliation Amount divided by the Forecasted kWh for all rate classes.

“RDM Reconciliation Amount” shall mean the difference (either positive or negative) between the Actual Billed Distribution Revenue and the ATR for the RDM Year.

II. RDM Revenue Reconciliation and Adjustment Factor

The Company’s RDM shall include an annual RDM Revenue Reconciliation which will reconcile ATR and Actual Billed Distribution Revenue for the same RDM Year. The RDM Revenue Reconciliation Amount (either positive or negative) shall determine the RDM Adjustment Factor. The Company shall submit a filing no later than May 15, in which the Company shall propose adjustments to distribution rates to reflect the RDM Adjustment Factor. These adjustments to distribution rates will be effective for usage on and after July 1.

In addition, the Company shall reflect the following adjustment to its RDM Revenue Reconciliation pursuant to the Settlement Agreement approved by the Commission in Docket No. 4770:

NARRAGANSETT ELECTRIC COMPANY
REVENUE DECOUPLING MECHANISM PROVISION

Adjustment Associated with the Update of the Amortization of Excess Deferred Federal Income Taxes

To account for revisions to the corporate federal income tax rate modified by the federal Tax Cuts and Jobs Act, the Company reflected the amortization of an estimate of excess deferred federal income taxes included in base distribution rates that became effective on September 1, 2018 pursuant to Docket No. 4770. This estimate of excess deferred federal income taxes will be updated as a result of the Company filing its fiscal year 2018 federal income tax return in December 2018.

The Company will submit a supplemental compliance filing with the Commission in Docket No. 4770 after the Company files its fiscal year 2018 federal income tax return that will calculate the revenue requirement including the updated amortization of excess deferred federal income taxes based on the actual amount of excess deferred federal income taxes reported in its fiscal year 2018 federal income tax return. The Company will also calculate the difference between the revenue requirement it began recovering September 1, 2018 and the revenue requirement in the supplemental compliance filing. This difference, either positive or negative, will be reflected in the RDM Revenue Reconciliation and filing submitted after a Commission ruling on the amount of the difference.

In addition, in the supplemental compliance filing in Docket No. 4770, if the Company proposes and the Commission approves a proposal that does not require a change in base distribution rates as a result of the updated revenue requirement due to the amount of the update deemed as relatively small, the Company will include annual adjustments in the RDM Revenue Reconciliation and filing for the period up to the effective date of new base distribution rates resulting in the subsequent general rate case.

The RDM Adjustment Factor will be based on the RDM Reconciliation Amount for the prior RDM Year as determined above. The amount of over- or under-recovery resulting from the RDM Reconciliation Amount, including interest at the rate paid on customer deposits, shall be used to determine a uniform per-kWh RDM Adjustment Factor based on the Forecasted kWh. The RDM Adjustment Factor shall be applicable to all retail delivery service customers. The amount approved by the Commission to be recovered or refunded through the RDM Adjustment Factor shall be subject to reconciliation.

III. Adjustments to Annual Target Revenue

The ATR shall be based on the revenue requirement approved by the Commission in the Company's most recent general rate case. The ATR may be adjusted should the Commission approve recovery mechanisms for costs included in the revenue requirement such that those costs would be recovered from customers through two mechanisms or not recovered at all. Should the Company's ATR change during a RDM Year as a result of a new revenue requirement arising from a general rate case that may be approved by the Commission, the Company shall allocate

NARRAGANSETT ELECTRIC COMPANY
REVENUE DECOUPLING MECHANISM PROVISION

the prior ATR and new ATR to each month within the RDM Year based on the rate year kWh deliveries reflected in the general rate case from which the revenue requirement was based.

IV. Interim RDM Adjustments

If at any time during the year, the total of cumulative Actual Billed Distribution Revenue excess/shortfall for the Company in total is estimated to be equal to or greater than 10% above or below the Company's ATR for the current RDM Year, the Company will petition the Commission for an interim adjustment prior to its next scheduled RDM Filing.

V. Adjustments to Rates

Adjustments to rates pursuant to the RDM Provision are subject to review and approval by the Commission. Modifications to the factors contained in this RDM Provision shall be in accordance with a notice filed with the Commission pursuant to R.I.G.L. § 39-3-11(a) setting forth the amount(s) of the revised factor(s) and the amount(s) of the increase(s) or decrease(s). The notice shall further specify the effective date of such charges.

Effective: April 1, 2011

Issued: August 16, 2018

Effective: September 1, 2018

NARRAGANSETT ELECTRIC COMPANY
TARIFF FOR STANDARD OFFER SERVICE

AVAILABILITY

Standard Offer Service shall be available to all Customers (including new Customers) who have not elected to take their electric supply from a non-regulated power producer or any Customer who, for any reason, has stopped receiving Generation Service from a non-regulated power producer.

MONTHLY CHARGE

The Charge for Standard Offer Service will be the sum of the applicable Standard Offer Service charges in addition to all appropriate Retail Delivery charges as stated in the applicable tariff. The monthly charge for Standard Offer Service shall also include the costs incurred by the Company to comply with the Renewable Energy Standard, established in R.I.G.L. Section 39-26-1 and the costs to comply with the Commission's Rules Governing Energy Source Disclosure. The charge for Standard Offer Service will include the administrative costs associated with the procurement of Standard Offer Service, including an adjustment for uncollectible accounts as approved by the Commission.

RATE FOR ALL CLASSES

The Summary of Standard Offer Service Charges, RIPUC Tariff No. 2096 to this tariff sets forth the rates for each rate class for the specified period. These rates are subject to change at the end of the period specified in the Summary of Standard Offer Service Charges, RIPUC Tariff No. 2096. The Company will file a new Summary of Standard Offer Service Charges, RIPUC Tariff No. 2096 for the next pricing period prior to the expiration of the current period.

The rates for each rate class shall be as follows:

Residential Group (Rates A-16, A-60). The rate applicable to this class shall be a fixed price that represents a weighted average of the actual monthly contract prices over the period specified in the Summary of Standard Offer Service Charges, RIPUC Tariff No. 2096, 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 (“ISO-NE”).

Commercial Group (Rates C-06, G-02, S-06, S-10, S-14). There are two rate options available to customers in the Commercial Group. The Summary of Standard Offer Service Charges, RIPUC Tariff No. 2096 to this tariff sets forth the rate options for each rate class for the specified six month period. One option is referred to as the “Fixed Price Option”. The second option is referred to as the “Variable Price Option”. The rates for each option are subject to change at the end of the six month period specified in the Summary of Standard Offer Service Charges, RIPUC Tariff No. 2096.

NARRAGANSETT ELECTRIC COMPANY
TARIFF FOR STANDARD OFFER SERVICE

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 ~~ISO-NE 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.

Variable Price Option: represents the actual monthly price from the applicable winning bid for each month of the same six month period 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 ~~ISO-NE the Independent System Operator — New England~~. Customers receiving retail delivery service on Rates G-02, S-06, S-10, and S-14 will be placed on the Variable Price Option when initially requesting Standard Offer Service from the Company.

All customers in the Commercial Group will have the option to switch to a different pricing option once during a twelve month period. After the initial assignment to a pricing option, each customer may choose a different pricing option, however, once the election has been made, the customer must remain on the chosen pricing option for a period of at least twelve (12) months.

Customers may notify the Company at any time to elect a different pricing option, provided that such notification is received at least two business days prior to the Customer's scheduled meter read date that occurs prior to either a January 1 or July 1 Standard Offer rate change. After receiving the notice, the switch will be made by the Company on the scheduled meter read date immediately preceding the next scheduled Standard Offer Service rate change (either January 1 or July 1).

Industrial Group (Rates B-32, G-32, ~~B-62, G-62~~ and X-01). The rates applicable to this class shall be fixed monthly prices, representing the actual monthly contract prices for each month of the period specified in the Summary of Standard Offer Service Charges, RIPUC Tariff No. 2096, or may be based upon estimates of the cost of any supply not procured through full requirements services contracts including, but not limited to, spot market purchases from ~~ISO-NE the Independent System Operator — New England~~.

TERMINATION OF STANDARD OFFER SERVICE

Standard Offer Service may be terminated by a Customer upon the next scheduled meter read provided that notice of the change of supplier was received in accordance with the Company's Terms and Conditions for Non-regulated Power Producers.

NARRAGANSETT ELECTRIC COMPANY
TARIFF FOR STANDARD OFFER SERVICE

There shall be no fee for terminating Standard Offer Service.

RATE CHANGES

The rates set forth in this tariff are effective for usage on and after the Effective Date. Any changes will be filed with the Commission and are subject to Commission review and approval.

~~Effective Date: July 1, 2015~~

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
OPTIONAL ENHANCED METERING SERVICE

Availability of Service

Enhanced metering service under this provision is available to nonresidential customers receiving metered retail delivery service from The Narragansett Electric Company (“Narragansett” or “the “Company”). Customers who currently receive unmetered retail delivery service must request metered retail delivery service from the Company in accordance with the Company’s Terms and Conditions for Distribution Service. The availability of these services will be subject to the Company’s ability to render such service.

Service Option 1: Wireless Service

Under this service option, the Company will provide equipment at the customer’s facility which will allow for periodic wireless readings of the customer’s load. The Company will install, own and maintain the equipment in service. The customer, or its authorized representative, may receive the data through the optical port on the equipment or via subscription pursuant to Subscription Service for Interval Data over the Internet as provided through the Company’s Optional Interval Data Service tariff, as may be amended from time to time. The Company will store load information on the meter for a period of 15-20 days for customers with on-site generation and 30-35 days for customers without on-site generation. The Company will attempt to read the meters daily unless the delay is caused by the wireless service provider. This service requires a data plan from a telecommunications provider, which will be under the Company’s name, with the customer being responsible for the cost as identified below.

Fees for Service Option 1:

The equipment fee for this service is assessed on a one-time, lump sum basis as follows:

<u>Retail Delivery Service Under</u>	<u>Initial Lump Sum</u>
<u>General Service Tariff</u>	<u>\$679</u>

The annual fee for the data plan associated with this service is as follows:

<u>Retail Delivery Service Under</u>	<u>Annually</u>
<u>General Service Tariff</u>	<u>\$17</u>

Service Option ~~12~~: ~~Complete Service~~ via Phone Line

Service under this option is only available at the Company’s discretion in situations where service under Option 1 is not feasible due to technical or other logistical reasons. Under this service option, the Company will provide equipment at the customer’s facility which will allow for periodic readings of the customer’s load through telephone lines. The Company will

THE NARRAGANSETT ELECTRIC COMPANY
OPTIONAL ENHANCED METERING SERVICE

install, own and maintain the equipment in service. The customer, or its authorized representative, may receive the data through the optical port on the equipment or electronically. ~~Narragansett~~The Company will store load information on the meter for a period of 15-20 days for customers with on-site generation and 30-35 days for customers without on-site generation. The Company will attempt to read the meters daily unless the delay is caused by the landline service provider. 35 days and will read the meters daily.

Fees for Service Option ~~12~~:

The customer has the choice of a single payment or a monthly fee.

<u>Monthly fee</u>	<u>Single Payment</u>
<u>\$7.085.54</u>	<u>\$342.15350.58</u>

Service Option ~~23~~: ~~Pulse~~Modem Service

Customers who wish to connect their own load recording equipment or equipment provided by their authorized representative to the Company's meter may elect this option. Narragansett will provide a pulse interface device through which the customer can access meter data. The customer, or its representative, must purchase, own and maintain a modem-equipped recording device in order to access meter pulses.

Fees for Service Option ~~23~~:

The customer has the choice of a single payment or a monthly fee.

<u>Monthly fee</u>	<u>Single Payment</u>
<u>\$3.652.74</u>	<u>\$176.28173.58</u>

All equipment and data plan usage fees will be billing annually or as a one-time charge either through the account's electric retail delivery service bill or separately as determined by the Company.

Additional Services

~~Customers who elect Service Option 1, Complete Service, may request additional services as described below. The fees for these services are in addition to the fees described above. The availability of these services will be subject to the Company's ability to render such service.~~

Power Outage Reporting

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
OPTIONAL ENHANCED METERING SERVICE

~~The Company will notify the customer's designee within one hour after the occurrence that the customer's power is out and provide confirmation that the customer outage has been logged into the Company outage reporting network. Notification may be by phone, fax, or e-mail.~~

~~Monthly Fee: _____ \$22.00~~

Peak Consumption Notification (Demand Overload)

~~Under this service, the customer will select a threshold for kW or kVA demand. The Company will notify the customer or its designee within one hour after the threshold is exceeded. Notification may be by phone, fax or e-mail.~~

~~Monthly Fee: _____ \$26.00~~

Read on Appointment (Autoread)

~~Under this service, the customer may request specific dates and times for the Company to read its meter and the Company may bill the customer based on these readings.~~

~~Monthly Fee: _____ \$33.00
per occurrence: _____ \$85.00~~

Read on Request

~~The Company will obtain meter readings within one hour of receiving a request from a participating customer. The Company may provide the meter reading to the customer's designee by phone, fax or e-mail.~~

~~Monthly Fee: _____ \$33.00
per occurrence: _____ \$85.00~~

Advanced Meter Information Read on Demand

~~The Company will provide power quality data to the customer or its authorized designee by fax or e-mail attachment.~~

~~Monthly Fee: _____ \$33.00
per occurrence: _____ \$85.00~~

THE NARRAGANSETT ELECTRIC COMPANY
OPTIONAL ENHANCED METERING SERVICE

Effective: March 1, 2010

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
OFF CYCLE METER READ FOR SWITCH OF SUPPLIER

Availability of Service

An Off Cycle Meter Read under this provision is available to customers receiving metered retail delivery service from The Narragansett Electric Company (~~“Narragansett”~~ or “Company”) under the Company’s Rate G-32, 200 kW Demand Rate or Rate B-32, C&I Back-up Service Rate. Customers who receive unmetered retail delivery service must request metered retail delivery service in accordance with the Company’s Terms and Conditions for Distribution Service. The availability of this service will be subject to the Company’s ability to render such service.

Description of Service

A Customer requesting an Off Cycle Meter Read agrees to pay the Off Cycle Meter Read Charge included in this provision. An Off Cycle Meter Read will be performed by the Company at the request of the Customer to facilitate the transfer of generation service between the Company-supplied Standard Offer Service ~~or Last Resort Service~~ and Competitive Supplier generation service. There will be a separate Off Cycle Meter Read Charge for a Customer who is telemetered and for a Customer who is non-telemetered. The Company will assess an Off Cycle Meter Read Charge for each off cycle meter read performed at a Customer’s service location.

Schedule of Charges

The Off Cycle Meter Read Charge is as follows:

Telemetered Customer	<u>\$84.1951.00</u>
Non-telemetered Customer	<u>\$114.5280.00</u>

Terms and Conditions

The Company’s Terms and Conditions for Distribution Service in effect from time to time where not inconsistent with any specific provisions hereof, are a part of this tariff.

Effective: March 1, 2010

Issued: August 16, 2018

Effective: September 1, 2018

THE NARRAGANSETT ELECTRIC COMPANY
PERFORMANCE INCENTIVE RECOVERY PROVISION

The prices for Retail Delivery Service contained in each of the Company's rate class tariffs are subject to adjustment to reflect Performance Incentive Factor ("PIF"), designed to recover the amount of annual incentive under the Company's Performance Incentive Mechanisms ("PIMs") as approved by the Commission pursuant to this Performance Incentive Recovery ("PIR") Provision.

The PIF shall recover the performance incentives earned by the Company as a result of the Company achieving specific performance metrics pertaining to achievement of objectives as defined by the Commission. Except otherwise noted in Appendix A, the Company shall measure actual performance against the performance metrics identified below during the calendar years shown.

The performance incentives defined below and detailed in Appendix A shall allow the Company to earn incentives based on actual performance measured against each of the performance metrics, resulting in a dollar value earned by the Company. The Company shall aggregate the dollar values for all applicable performance metrics to determine the total dollar value earned by the Company for performance in the prior calendar year.

The Company shall not earn a performance incentive for actual performance which falls below the minimum performance level identified for each performance metric. The Company shall use linear interpolation to calculate the dollar value of any performance incentive earned that falls between the target level and minimum value, and target value and maximum value.

PERFORMANCE INCENTIVE MECHANISMS

System Efficiency

The System Efficiency incentive shall include the opportunity for the Company to earn performance incentives based on performance during a calendar year, in the area of Annual MW Capacity Savings, measured as the estimated avoided MW capacity from the following resources:

- (1) the installation of incremental behind-the-meter solar PV DG in excess of that forecasted by the Company;
- (2) the Company's residential and commercial and industrial demand response programs;
- (3) incremental installed energy storage capacity; and
- (4) any additional actions that the Company can identify to reduce peak demand, including non-wires alternatives expected to influence system peak that are not captured already under this or other metrics, and partnerships with third parties to provide peak reduction solutions.

THE NARRAGANSETT ELECTRIC COMPANY
PERFORMANCE INCENTIVE RECOVERY PROVISION

Appendix A to this PST Provision provides the metrics and the incentive value associated with a range of outcomes. The incentives associated with performance between minimum and target levels or maximum and target levels will be determined linearly.

REPORTING PERFORMANCE

The Company shall file an annual PIM report with the Commission by March 1 annually. The annual performance report shall contain the following: (1) comparing the Company's performance relative to each performance incentive mechanism target; (2) describing the savings achieved; (3) calculating incentives earned, including proration of any incentives related to metric achievement between the minimum, midpoint, and the maximum target levels; and (4) any targets not achieved. The Company shall file a mid-year update on or before September 1 annually that describes the Company's progress toward each PIM metric target and the actions taken by the Company to achieve target performance. The mid-year update will also include an assessment of whether and, for the Annual MW Capacity Savings PIM, through which measures the Company expects to meet its annual PIM targets.

In the annual performance report submitted by March 1, the Company shall also propose the PIF based upon the incentives included in the report. The PIR shall be calculated as the amount of earned incentives divided by the forecasted kilowatt-hour deliveries for the recovery period. Unless otherwise directed by the Commission, the PIF shall be effective for usage on and after July 1 subsequent to the March 1 annual report. The amount to be recovered through the PIF shall be reconciled to actual revenue billed through the PIF during the recovery period, and any difference shall be reflected in a future PIF.

ADJUSTMENTS TO RATES

Modifications to the factor contained in this PIR Provision shall be in accordance with a notice filed with the Commission setting forth the amount of the revised factor and the amount of the increase or decrease. The notice shall further specify the effective date of such charges.

THE NARRAGANSETT ELECTRIC COMPANY
PERFORMANCE INCENTIVE RECOVERY PROVISION

APPENDIX A

I. System Efficiency Incentives

a. Annual MW Capacity Savings: Targets and Maximum Earnings Opportunity

	CY 2019	CY 2020	CY 2021
Minimum	14	17	21
Target	17	21	24
Maximum	20	25	29
Earnings at Maximum	\$362,085	\$622,370	\$944,141

For reporting performance on this metric, the Company shall submit resource-specific estimated MW savings. Performance against the target is not based on any pre-determined mix of qualifying resources, but rather a total count of MW savings across all categories. For existing eligible resources, the Company shall base savings on the following assumptions:

- (1) For solar PV, the Company will estimate the peak impact as the product of annual incremental installed capacity in excess of forecast levels available at the time of the ISO New England system peak, multiplied by a coincidence factor of 0.21. The Company will report the forecast capacity and peak impacts of PV included in its annual peak forecast for the compliance year from the most recent annual forecast.¹
- (2) For residential Demand Response under the Company's Connected Solutions program, the Company will report the number of participating customers multiplied by a deemed kW savings value per thermostat of 0.46 kW. Should the Company modify the structure of this program or otherwise expand residential demand response offerings, the calculation of savings will be appropriately modified. Any such modifications to the incentive calculation will be presented to the Commission for review and approval prior to the commencement of the relevant performance year.
- (3) For commercial and industrial Demand Response, the Company will report the average observed MW savings over called events.
- (4) For any resources not listed above, the Company will report the calculation of resource-specific savings and provide explanation of any underlying assumptions.

¹ For example, the Company's 2018 peak forecast projects incremental peak impacts from load-reducing solar PV in 2019 of 7.41 MW (35.3 MW of incremental capacity) in 2019.

THE NARRAGANSETT ELECTRIC COMPANY
DCFC DISCOUNT PILOT PROVISION

The provisions of this tariff govern the operation of the Discount Pilot for Direct Current Fast Charging (“DCFC”) Stations (“DCFC Discount Pilot” or “Pilot”).

The Company shall offer a time-limited discount on the electric bills for dedicated DCFC electric accounts through the DCFC Discount Pilot as approved by the Commission.

The DCFC Discount Pilot is available on a first come, first served basis. Accounts eligible to receive the discount under the DCFC Discount Pilot must apply and be complete enrollment in the Pilot between September 1, 2018 and August 31, 2019 and receive Retail Delivery Service on either General C&I Rate (G-02) (“Rate G-02”) or Large Demand Rate (G-32) (“Rate G-32”).

The discount provided through the DCFC Discount Pilot for customer accounts that complete enrollment in the Pilot during September 1, 2018 through August 31, 2019 shall be based upon the monthly billing demand as defined in Rate G-02 and Rate G-32 and used to bill the distribution demand charge on the account. The discount per-kW shall be a credit value equal to the distribution demand charge per-kW in effect and as may change from time to time as approved by the Commission. Customer accounts that complete enrollment in the Pilot during September 1, 2018 through August 31, 2019 shall receive the DCFC discount on their monthly bills for a period of three (3) years beginning with the first bill issued that includes the DCFC discount and ending with the bill representing the 36th DCFC discount credited to the account.

Should the customer of record of an enrolled account change such that the enrolled account is terminated and a new customer of record initiates service at the same location, the enrolled account will no longer be eligible to receive the DCFC discount.

Compliance Attachment 14

Narragansett Gas Allocated Cost of Service Study

Rate Year 1

COMPLIANCE ATTACHMENT 14

Schedule 2

Total Delivery Only Cost of Service Study (Pages 1 and 2)

Total Class Revenue Requirements (Pages 3 and 4)

Revenue Reconciliation (Page 5)

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

SUMMARY OF RESULTS-1

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
RATE BASE				
1 GAS PLANT IN SERVICE		1,310,853,604	37,879,547	859,511,377
2 LESS: DEPREC & AMORT RES		430,161,879	15,087,376	294,544,282
3 NET UTILITY PLANT IN SERVICE		880,691,725	22,792,171	564,967,095
4 PLUS: CWIP		44,213,371	1,294,017	28,838,573
5 LESS: CONTRIB IN AID OF CONST		(946)	(26)	(620)
6 NET PLANT		924,906,042	24,086,215	593,806,288
ADD:				
7 MATERIALS & SUPPLIES		2,680,174	78,442	1,748,168
8 PREPAID EXPENSES EXCL TAXES		204,501	5,909	134,089
9 UNAMORTIZED DEBT & INT LOCK		1,873,205	54,130	1,228,239
10 DEFERRED DEBITS		0	0	0
11 CASH WORKING CAPITAL		6,672,954	210,615	4,482,194
DEDUCT:				
12 ACCUMULATED DEFERRED FIT		155,641,847	4,497,560	102,052,539
13 MERGER HOLD HARMLESS ADJ		18,662,756	539,295	12,236,951
14 CUSTOMER DEPOSITS		1,467,477	814	106,916
15 RATE BASE		760,564,796	19,397,642	487,002,571
DEVELOPMENT OF RETURN				
16 SALES OF GAS TO ULTIMATE CUST		210,947,191	4,769,469	139,221,443
17 OTHER OPERATING REVENUES		1,864,184	42,031	953,720
18 TOTAL GAS OPERATING REVENUES		212,811,375	4,811,501	140,175,163
LESS:				
19 PURCHASED GAS COSTS		0	0	0
20 OTHER OPER & MAINT EXPENSE		86,147,525	3,224,735	58,616,051
21 DEPRECIATION & AMORTIZATION EXP		41,140,310	1,182,873	26,976,506
22 OTHER TAXES		29,757,377	873,311	19,564,264
23 INCOME TAXES		5,863,385	(254,230)	3,583,428
24 INTEREST ON CUSTOMER DEPOSITS		35,184	20	2,563
25 TOTAL OPERATING EXPENSE		162,943,780	5,026,708	108,742,811
26 OPERATING INCOME		49,867,595	(215,208)	31,432,351
27 RATE OF RETURN		6.56%	-1.11%	6.45%
28 RELATIVE RATE OF RETURN		1.000	-0.169	0.984

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

SUMMARY OF RESULTS-1

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
RATE BASE							
1 GAS PLANT IN SERVICE		107,889,575	149,189,752	66,168,256	26,635,003	11,688,422	51,891,673
2 LESS: DEPREC & AMORT RES		36,303,197	42,165,776	17,666,834	7,071,974	3,218,765	14,103,676
3 NET UTILITY PLANT IN SERVICE		71,586,378	107,023,976	48,501,422	19,563,029	8,469,658	37,787,997
4 PLUS: CWIP		3,608,189	5,048,648	2,280,778	927,139	404,730	1,811,297
5 LESS: CONTRIB IN AID OF CONST		(76)	(107)	(51)	(21)	(8)	(37)
6 NET PLANT		75,194,643	112,072,731	50,782,251	20,490,189	8,874,396	39,599,330
ADD:							
7 MATERIALS & SUPPLIES		218,725	306,044	138,259	56,202	24,534	109,799
8 PREPAID EXPENSES EXCL TAXES		16,831	23,275	10,323	4,155	1,823	8,095
9 UNAMORTIZED DEBT & INT LOCK		154,174	213,192	94,554	38,061	16,703	74,153
10 DEFERRED DEBITS		0	0	0	0	0	0
11 CASH WORKING CAPITAL		607,098	722,408	270,805	99,881	53,787	226,165
DEDUCT:							
12 ACCUMULATED DEFERRED FIT		12,810,075	17,713,777	7,856,369	3,162,459	1,387,804	6,161,265
13 MERGER HOLD HARMLESS ADJ		1,536,035	2,124,030	942,044	379,205	166,409	738,787
14 CUSTOMER DEPOSITS		703,645	479,250	109,524	45,043	2,889	19,394
15 RATE BASE		61,141,716	93,020,593	42,388,255	17,101,781	7,414,140	33,098,097
DEVELOPMENT OF RETURN							
16 SALES OF GAS TO ULTIMATE CUST		17,004,103	24,848,122	10,702,409	3,674,323	2,029,981	8,697,341
17 OTHER OPERATING REVENUES		245,383	324,477	128,883	47,559	31,952	90,179
18 TOTAL GAS OPERATING REVENUES		17,249,486	25,172,599	10,831,293	3,721,882	2,061,933	8,787,520
LESS:							
19 PURCHASED GAS COSTS		0	0	0	0	0	0
20 OTHER OPER & MAINT EXPENSE		8,457,536	8,764,662	2,875,782	1,123,458	600,596	2,484,704
21 DEPRECIATION & AMORTIZATION EXP		3,376,944	4,673,983	2,086,245	840,031	367,784	1,635,944
22 OTHER TAXES		2,468,977	3,368,968	1,472,029	591,349	261,633	1,156,847
23 INCOME TAXES		141,855	1,056,734	607,762	117,813	119,400	490,623
24 INTEREST ON CUSTOMER DEPOSITS		16,870	11,490	2,626	1,080	69	465
25 TOTAL OPERATING EXPENSE		14,462,182	17,875,838	7,044,444	2,673,731	1,349,482	5,768,584
26 OPERATING INCOME		2,787,303	7,296,761	3,786,849	1,048,151	712,451	3,018,936
27 RATE OF RETURN		4.56%	7.84%	8.93%	6.13%	9.61%	9.12%
28 RELATIVE RATE OF RETURN		0.695	1.196	1.363	0.935	1.466	1.391

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 02:26 PM

REVENUE REQUIREMENTS-21	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
PRESENT RATES				
1 RATE BASE		760,564,796	19,397,642	487,002,571
2 NET OPER INC (PRESENT RATES)		49,867,595	(215,208)	31,432,351
3 RATE OF RETURN (PRES RATES)		6.56%	-1.11%	6.45%
4 RELATIVE RATE OF RETURN		1.000	-0.169	0.984
5 SALES REVENUE (PRE RATES)		209,286,191	4,754,494	138,374,964
6 ANNUAL BOOKED THERM SALES		396,724,601	3,775,348	191,758,293
7 SALE REV \$/THERM (PRE RATES)		\$0.5275	\$1.2594	\$0.7216
CLAIMED RATE OF RETURN				
8 CLAIMED RATE OF RETURN		7.15%	7.15%	7.15%
9 RETURN REQ FOR CLAIMED ROR		54,380,383	1,386,931	34,820,684
10 SALES REVENUE REQ CLAIMED ROR		215,109,660	6,821,954	142,747,394
11 REVENUE DEFICIENCY SALES REV		5,823,469	2,067,460	4,372,430
12 PERCENT INCREASE REQUIRED		2.78%	43.48%	3.16%
13 ANNUAL BOOKED THERM SALES		396,724,601	3,775,348	191,758,293
14 SALES REV REQUIRED \$/THERM		\$0.5422	\$1.8070	\$0.7444
15 REVENUE DEFICIENCY \$/THERM		\$0.0147	\$0.5476	\$0.0228
PROPOSED REVENUES				
16 PROPOSED SALES REVENUES*		215,077,105	4,938,440	142,195,575
17 REVENUE DEFICIENCY SALES REV		5,790,914	183,945	3,820,611
18 PERCENT INCREASE PROPOSED		2.77%	3.87%	2.76%
19 PROPOSED RATE OF RETURN		7.15%	-0.37%	7.06%
20 RETURN REQ FOR PROPOSED REV		54,355,155	(72,663)	34,393,062
21 ANNUAL BOOKED THERM SALES		396,724,601	3,775,348	191,758,293
22 SALES REV REQUIRED \$/THERM		\$0.5421	\$1.3081	\$0.7415
23 REVENUE DEFICIENCY \$/THERM		\$0.0146	\$0.0487	\$0.0199

* Note the Proposed Revenue increase is due to the inclusion of the Grid Modernization Revenue Requirement offset by the increase in Non Firm Revenues. The Grid Modernization Revenue Requirement was not included in the COS (Attachment 1) and hence ACOS.

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 02:26 PM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
REVENUE REQUIREMENTS-21							
PRESENT RATES							
1		61,141,716	93,020,593	42,388,255	17,101,781	7,414,140	33,098,097
2		2,787,303	7,296,761	3,786,849	1,048,151	712,451	3,018,936
3		4.56%	7.84%	8.93%	6.13%	9.61%	9.12%
4		0.695	1.196	1.363	0.935	1.466	1.391
5		16,893,996	24,617,034	10,586,080	3,626,809	1,977,222	8,455,593
6		24,631,759	55,246,850	26,367,153	13,102,776	12,231,334	69,611,089
7		\$0.6859	\$0.4456	\$0.4015	\$0.2768	\$0.1617	\$0.1215
CLAIMED RATE OF RETURN							
8		7.15%	7.15%	7.15%	7.15%	7.15%	7.15%
9		4,371,633	6,650,972	3,030,760	1,222,777	530,111	2,366,514
10		18,938,473	23,783,684	9,610,395	3,852,153	1,741,924	7,613,683
11		2,044,477	(833,350)	(975,685)	225,344	(235,298)	(841,910)
12		12.10%	-3.39%	-9.22%	6.21%	-11.90%	-9.96%
13		24,631,759	55,246,850	26,367,153	13,102,776	12,231,334	69,611,089
14		\$0.7689	\$0.4305	\$0.3645	\$0.2940	\$0.1424	\$0.1094
15		\$0.0830	-\$0.0151	-\$0.0370	\$0.0172	-\$0.0192	-\$0.0121
PROPOSED REVENUES							
16		17,496,229	25,295,196	10,775,425	3,756,833	2,011,745	8,607,663
17		602,233	678,162	189,346	130,024	34,524	152,070
18		3.56%	2.75%	1.79%	3.59%	1.75%	1.80%
19		5.32%	8.41%	9.28%	6.72%	9.97%	9.48%
20		3,253,993	7,822,290	3,933,578	1,148,910	739,204	3,136,780
21		24,631,759	55,246,850	26,367,153	13,102,776	12,231,334	69,611,089
22		\$0.7103	\$0.4579	\$0.4087	\$0.2867	\$0.1645	\$0.1237
23		\$0.0244	\$0.0123	\$0.0072	\$0.0099	\$0.0028	\$0.0022

NATIONAL GRID - RHODE ISLAND
Summary of Cost Study Results
Derivation of Base Rate Increase

		<u>TOTAL</u>	
		<u>COMPANY</u>	
<u>REVENUES GAS SALES</u>			
1	BASE REVENUE SALES	148,577,330	
2	BASE REVENUE TRANSPORTATION	26,234,359	
3	RDM ADJUSTMENT	(2,584,650)	
4	ISR ADJUSTMENT	37,129,852	
5	GAS LIGHTS	22,148	
6	NORMALIZE ERC	(92,848)	
7	TOTAL REVENUES FOR BASE RATES	<u>209,286,191</u>	
8			
9	<u>OTHER OPERATING REVENUES</u>		
10	SPECIAL CONTRACT	224,996	
11	NON FIRM MARGINS	1,436,004	
12	LATE PAYMENT CHARGES	409,652	
13	MISCELLANEOUS FEES/CREDITS	344,338	
14	NON UTILITY BILLING	937,241	
15	RENTAL EXPENSE	248,262	
16	AFUDC - EQUITY/DEBT	(23,725)	
17	MISCELLANEOUS REV ADJ	(51,583)	
18	TOTAL OTHER OPERATING REVENUES	<u>3,525,184</u>	
19			
20	TOTAL REVENUES PER COST OF SERVICE	<u><u>212,811,375</u></u>	
<u>BASE RATE INCREASE</u>			
21	CLAIMED REVENUES PER COST OF SERVICE	215,109,660	COS Page 21, Line 10
22	LESS: TOTAL REVENUES FOR BASE RATES	<u>209,286,191</u>	Line 7
23	INCREASE PER COS	<u><u>5,823,469</u></u>	

COMPLIANCE ATTACHMENT 14

Schedule 3

Total Delivery Only Cost of Service

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

SUMMARY OF RESULTS-1

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
RATE BASE				
1 GAS PLANT IN SERVICE		1,310,853,604	37,879,547	859,511,377
2 LESS: DEPREC & AMORT RES		430,161,879	15,087,376	294,544,282
3 NET UTILITY PLANT IN SERVICE		880,691,725	22,792,171	564,967,095
4 PLUS: CWIP		44,213,371	1,294,017	28,838,573
5 LESS: CONTRIB IN AID OF CONST		(946)	(26)	(620)
6 NET PLANT		924,906,042	24,086,215	593,806,288
ADD:				
7 MATERIALS & SUPPLIES		2,680,174	78,442	1,748,168
8 PREPAID EXPENSES EXCL TAXES		204,501	5,909	134,089
9 UNAMORTIZED DEBT & INT LOCK		1,873,205	54,130	1,228,239
10 DEFERRED DEBITS		0	0	0
11 CASH WORKING CAPITAL		6,672,954	210,615	4,482,194
DEDUCT:				
12 ACCUMULATED DEFERRED FIT		155,641,847	4,497,560	102,052,539
13 MERGER HOLD HARMLESS ADJ		18,662,756	539,295	12,236,951
14 CUSTOMER DEPOSITS		1,467,477	814	106,916
15 RATE BASE		760,564,796	19,397,642	487,002,571
DEVELOPMENT OF RETURN				
16 SALES OF GAS TO ULTIMATE CUST		210,947,191	4,769,469	139,221,443
17 OTHER OPERATING REVENUES		1,864,184	42,031	953,720
18 TOTAL GAS OPERATING REVENUES		212,811,375	4,811,501	140,175,163
LESS:				
19 PURCHASED GAS COSTS		0	0	0
20 OTHER OPER & MAINT EXPENSE		86,147,525	3,224,735	58,616,051
21 DEPRECIATION & AMORTIZATION EXP		41,140,310	1,182,873	26,976,506
22 OTHER TAXES		29,757,377	873,311	19,564,264
23 INCOME TAXES		5,863,385	(254,230)	3,583,428
24 INTEREST ON CUSTOMER DEPOSITS		35,184	20	2,563
25 TOTAL OPERATING EXPENSE		162,943,780	5,026,708	108,742,811
26 OPERATING INCOME		49,867,595	(215,208)	31,432,351
27 RATE OF RETURN		6.56%	-1.11%	6.45%
28 RELATIVE RATE OF RETURN		1.000	-0.169	0.984

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

SUMMARY OF RESULTS-1

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
RATE BASE							
1 GAS PLANT IN SERVICE		107,889,575	149,189,752	66,168,256	26,635,003	11,688,422	51,891,673
2 LESS: DEPREC & AMORT RES		36,303,197	42,165,776	17,666,834	7,071,974	3,218,765	14,103,676
3 NET UTILITY PLANT IN SERVICE		71,586,378	107,023,976	48,501,422	19,563,029	8,469,658	37,787,997
4 PLUS: CWIP		3,608,189	5,048,648	2,280,778	927,139	404,730	1,811,297
5 LESS: CONTRIB IN AID OF CONST		(76)	(107)	(51)	(21)	(8)	(37)
6 NET PLANT		75,194,643	112,072,731	50,782,251	20,490,189	8,874,396	39,599,330
ADD:							
7 MATERIALS & SUPPLIES		218,725	306,044	138,259	56,202	24,534	109,799
8 PREPAID EXPENSES EXCL TAXES		16,831	23,275	10,323	4,155	1,823	8,095
9 UNAMORTIZED DEBT & INT LOCK		154,174	213,192	94,554	38,061	16,703	74,153
10 DEFERRED DEBITS		0	0	0	0	0	0
11 CASH WORKING CAPITAL		607,098	722,408	270,805	99,881	53,787	226,165
DEDUCT:							
12 ACCUMULATED DEFERRED FIT		12,810,075	17,713,777	7,856,369	3,162,459	1,387,804	6,161,265
13 MERGER HOLD HARMLESS ADJ		1,536,035	2,124,030	942,044	379,205	166,409	738,787
14 CUSTOMER DEPOSITS		703,645	479,250	109,524	45,043	2,889	19,394
15 RATE BASE		61,141,716	93,020,593	42,388,255	17,101,781	7,414,140	33,098,097
DEVELOPMENT OF RETURN							
16 SALES OF GAS TO ULTIMATE CUST		17,004,103	24,848,122	10,702,409	3,674,323	2,029,981	8,697,341
17 OTHER OPERATING REVENUES		245,383	324,477	128,883	47,559	31,952	90,179
18 TOTAL GAS OPERATING REVENUES		17,249,486	25,172,599	10,831,293	3,721,882	2,061,933	8,787,520
LESS:							
19 PURCHASED GAS COSTS		0	0	0	0	0	0
20 OTHER OPER & MAINT EXPENSE		8,457,536	8,764,662	2,875,782	1,123,458	600,596	2,484,704
21 DEPRECIATION & AMORTIZATION EXP		3,376,944	4,673,983	2,086,245	840,031	367,784	1,635,944
22 OTHER TAXES		2,468,977	3,368,968	1,472,029	591,349	261,633	1,156,847
23 INCOME TAXES		141,855	1,056,734	607,762	117,813	119,400	490,623
24 INTEREST ON CUSTOMER DEPOSITS		16,870	11,490	2,626	1,080	69	465
25 TOTAL OPERATING EXPENSE		14,462,182	17,875,838	7,044,444	2,673,731	1,349,482	5,768,584
26 OPERATING INCOME		2,787,303	7,296,761	3,786,849	1,048,151	712,451	3,018,936
27 RATE OF RETURN		4.56%	7.84%	8.93%	6.13%	9.61%	9.12%
28 RELATIVE RATE OF RETURN		0.695	1.196	1.363	0.935	1.466	1.391

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

DEVELOPMENT OF RATE BASE-2		ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
GAS PLANT IN SERVICE					
INTANGIBLE PLANT					
1	302-GAS FRANCHISES & CONSENTS	PLANT	213,499	6,169	139,989
2	303-MISC INTANGIBLE PLT	PLANT	5,085	147	3,334
3	303-MISC INTANGIBLE CAPITAL	SOFT LABOR	29,888,379	1,014,409	20,189,518
4	TOTAL INTANGIBLE PLANT		30,106,964	1,020,725	20,332,841
PRODUCTION PLANT LNG					
5	304-LAND & LAND RIGHTS	DSWNLG	853,973	7,095	642,924
6	305-STRUCTURES & IMPROVEMENTS	DSWNLG	1,799,946	14,955	1,355,111
7	307-OTHER POWER EQUIP	DSWNLG	46,159	384	34,751
8	311-LNG GAS EQUIPMENT	DSWNLG	8,403,279	69,819	6,326,508
9	320-OTHER EQUIPMENT	DSWNLG	489,062	4,063	368,196
10	TOTAL PRODUCTION PLANT LNG		11,592,419	96,316	8,727,490
STORAGE PLANT LNG					
11	360-STORAGE LAND & LAND RIGHTS	DSWNLG	261,152	2,170	196,611
12	361-STOR STRUCT & IMPROV	DSWNLG	3,385,050	28,125	2,548,475
13	362-STORAGE GAS HOLDERS	DSWNLG	4,605,653	38,266	3,467,420
14	363-STOR PURIFICATION EQUIP	DSWNLG	13,892,912	115,430	10,459,443
15	TOTAL STORAGE PLANT LNG		22,144,766	183,991	16,671,949

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
DEVELOPMENT OF RATE BASE-2							
GAS PLANT IN SERVICE							
INTANGIBLE PLANT							
1	302-GAS FRANCHISES & CONSENTS PLANT	17,572	24,299	10,777	4,338	1,904	8,452
2	303-MISC INTANGIBLE PLT PLANT	419	579	257	103	45	201
3	303-MISC INTANGIBLE CAPITAL SOFT LABOR	2,682,416	3,202,183	1,171,184	458,032	224,899	945,739
4	TOTAL INTANGIBLE PLANT	2,700,407	3,227,060	1,182,217	462,474	226,848	954,392
PRODUCTION PLANT LNG							
5	304-LAND & LAND RIGHTS DSWNLG	83,034	93,453	22,142	3,082	1,896	347
6	305-STRUCTURES & IMPROVEMENTS DSWNLG	175,014	196,974	46,670	6,496	3,995	731
7	307-OTHER POWER EQUIP DSWNLG	4,488	5,051	1,197	167	102	19
8	311-LNG GAS EQUIPMENT DSWNLG	817,077	919,598	217,885	30,328	18,653	3,411
9	320-OTHER EQUIPMENT DSWNLG	47,553	53,520	12,681	1,765	1,086	199
10	TOTAL PRODUCTION PLANT LNG	1,127,167	1,268,596	300,574	41,838	25,732	4,705
STORAGE PLANT LNG							
11	360-STORAGE LAND & LAND RIGHTS DSWNLG	25,393	28,579	6,771	943	580	106
12	361-STOR STRUCT & IMPROV DSWNLG	329,139	370,437	87,769	12,217	7,514	1,374
13	362-STORAGE GAS HOLDERS DSWNLG	447,822	504,012	119,418	16,622	10,223	1,869
14	363-STOR PURIFICATION EQUIP DSWNLG	1,350,851	1,520,347	360,223	50,141	30,838	5,639
15	TOTAL STORAGE PLANT LNG	2,153,205	2,423,374	574,181	79,923	49,155	8,989

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

DEVELOPMENT OF RATE BASE CONT-3		ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
DISTRIBUTION PLANT					
1	374-LAND & LAND RIGHTS	DISTR	925,104	8,340	471,451
2	375-GAS DIST STATION STRUCTURES	DISTR	10,212,827	92,073	5,204,659
3	376-MAINS 4' AND BELOW	DISTR L4	417,615,618	4,562,635	258,907,350
4	376-MAINS ABOVE 4'	DISTR	278,410,412	2,510,002	141,883,462
5	377-DIST COMP STATION EQ	DISTR	248,716	2,242	126,751
6	378-GAS MEAS & REG STATION EQ	DISTR	32,114,706	289,529	16,366,291
7	379-DIST MEAS & REG GS EQ	DISTR	12,106,307	109,144	6,169,614
8	380-SERVICES	CUST380	352,943,574	22,274,396	287,075,835
9	381-METERS	CUST381	63,693,810	3,230,792	44,010,127
10	382-METER INSTALLATION	CUST382	49,868,002	2,529,494	34,456,992
11	383-HOUSE REGULATORS	CUST383	937,222	47,539	647,587
12	384-HOUSE REGULATORS INSTALLS	CUST384	2,934,277	148,838	2,027,480
13	385-IND MEAS & REG STA EQUIP	CUST385	796,108	7,177	405,712
14	386-OTHER PROP CUST PREM	CUST386	381,896	3,443	194,622
15	387-DIST OTHER EQUIP	DISTR	785,775	7,084	400,446
16	TOTAL DISTRIBUTION PLANT		1,223,974,353	35,822,729	798,348,379
GENERAL PLANT					
17	389-LAND & LAND RIGHTS	LABOR	285,357	9,685	192,758
18	390-STRUCTURES & IMPROV	LABOR	9,155,973	310,753	6,184,834
19	391-OFFICE EQUIPMENT	LABOR	2,384,968	80,946	1,611,039
20	392-TRANSPORTATION EQUIP	LABOR	625,738	21,237	422,684
21	393-STORES EQUIPMENT	DISTRPLT	16,876	494	11,008
22	394-TOOLS, SHOP & GARAGE EQ	DISTRPLT	5,315,407	155,569	3,467,022
23	395-LABORATORY EQUIPMENT	DISTRPLT	237,430	6,949	154,866
24	396-POWER OPERATED EQUIP	DISTRPLT	0	0	0
25	397-COMMUNICATION EQUIP	LABOR	975,600	33,112	659,015
26	398-MISCELLANEOUS EQUIP	LABOR	3,867,999	131,279	2,612,823
27	399-OTHER TANGIBLE PROPERTY	LABOR	169,755	5,761	114,669
28	TOT GENERAL PLANT		23,035,102	755,785	15,430,718
29	ADJUSTMENT	PLANT	0	0	0
30	TOTAL GAS PLANT IN SERVICE		1,310,853,604	37,879,547	859,511,377

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

DEVELOPMENT OF RATE BASE CONT-3		ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
DISTRIBUTION PLANT								
1	374-LAND & LAND RIGHTS	DISTR	61,325	128,706	64,791	26,463	29,385	134,643
2	375-GAS DIST STATION STRUCTURES	DISTR	677,004	1,420,868	715,266	292,144	324,397	1,486,416
3	376-MAINS 4" AND BELOW	DISTR L4	33,687,151	70,501,123	35,559,451	14,397,908	0	0
4	376-MAINS ABOVE 4"	DISTR	18,455,703	38,734,090	19,498,764	7,964,096	8,843,328	40,520,965
5	377-DIST COMP STATION EQ	DISTR	16,487	34,603	17,419	7,115	7,900	36,199
6	378-GAS MEAS & REG STATION EQ	DISTR	2,128,870	4,467,986	2,249,187	918,660	1,020,080	4,674,103
7	379-DIST MEAS & REG GS EQ	DISTR	802,522	1,684,301	847,878	346,308	384,540	1,762,000
8	380-SERVICES	CUST380	31,624,077	8,947,370	1,764,014	789,020	126,969	341,893
9	381-METERS	CUST381	6,673,187	7,360,817	1,239,493	471,021	219,832	488,540
10	382-METER INSTALLATION	CUST382	5,224,660	5,763,028	970,440	368,778	172,113	382,494
11	383-HOUSE REGULATORS	CUST383	98,193	108,311	18,239	6,931	3,235	7,189
12	384-HOUSE REGULATORS INSTALLS	CUST384	307,424	339,102	57,102	21,699	10,127	22,506
13	385-IND MEAS & REG STA EQUIP	CUST385	52,774	110,759	55,756	22,773	25,287	115,869
14	386-OTHER PROP CUST PREM	CUST386	25,316	53,132	26,746	10,924	12,130	55,583
15	387-DIST OTHER EQUIP	DISTR	52,089	109,322	55,033	22,478	24,959	114,365
16	TOTAL DISTRIBUTION PLANT		99,886,780	139,763,517	63,139,579	25,666,320	11,204,283	50,142,765
GENERAL PLANT								
17	389-LAND & LAND RIGHTS	LABOR	25,610	30,573	11,182	4,373	2,147	9,029
18	390-STRUCTURES & IMPROV	LABOR	821,728	980,953	358,779	140,313	68,895	289,717
19	391-OFFICE EQUIPMENT	LABOR	214,046	255,521	93,456	36,549	17,946	75,466
20	392-TRANSPORTATION EQUIP	LABOR	56,159	67,040	24,520	9,589	4,708	19,800
21	393-STORES EQUIPMENT	DISTRPLT	1,377	1,927	871	354	154	691
22	394-TOOLS, SHOP & GARAGE EQ	DISTRPLT	433,783	606,957	274,199	111,462	48,657	217,757
23	395-LABORATORY EQUIPMENT	DISTRPLT	19,376	27,112	12,248	4,979	2,173	9,727
24	396-POWER OPERATED EQUIP	DISTRPLT	0	0	0	0	0	0
25	397-COMMUNICATION EQUIP	LABOR	87,558	104,524	38,229	14,951	7,341	30,870
26	398-MISCELLANEOUS EQUIP	LABOR	347,144	414,410	151,569	59,276	29,105	122,393
27	399-OTHER TANGIBLE PROPERTY	LABOR	15,235	18,187	6,652	2,601	1,277	5,371
28	TOT GENERAL PLANT		2,022,016	2,507,204	971,703	384,448	182,406	780,822
29	ADJUSTMENT	PLANT	0	0	0	0	0	0
30	TOTAL GAS PLANT IN SERVICE		107,889,575	149,189,752	66,168,256	26,635,003	11,688,422	51,891,673

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
DEVELOPMENT OF RATE BASE CONT-4				
DEPRECIATION & AMORTIZATION RESERVE				
INTANGIBLE PLANT RESERVE				
1	302-GAS FRANCHISES & CONSENTS PLT302	0	0	0
2	303-MISC INTANGIBLE PLT PLT303	0	0	0
3	303-MISC INTANGIBLE CAPITAL SOFT PLT303SL	27,463,251	932,100	18,551,351
4	TOT INTANGIBLE PLT RESERVE	27,463,251	932,100	18,551,351
PRODUCTION PLANT LNG				
5	304-LAND & LAND RIGHTS PLT304	30,086	250	22,651
6	305-STRUCTURES PLT305	2,585,246	21,480	1,946,333
7	307-OTHER POWER EQUIP PLT307	56,951	473	42,876
8	311-LNG GAS EQUIPMENT PLT311	(1,131,551)	(9,402)	(851,902)
9	320-OTHER EQUIPMENT PLT320	(117,280)	(974)	(88,296)
10	TOTAL PRODUCTION LNG RESERVE	1,423,452	11,827	1,071,663
STORAGE PLANT LNG				
11	360-STORAGE LAND & LAND RIGHTS PLT360	9,201	76	6,927
12	361-STOR STRUCT & IMPROV PLT361	2,548,798	21,177	1,918,893
13	362-STORAGE GAS HOLDERS PLT362	4,808,518	39,952	3,620,150
14	363-STOR PURIFICATION EQUIP PLT363	6,215,890	51,645	4,679,706
15	TOTAL STORAGE PLANT LNG	13,582,407	112,850	10,225,676

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
DEVELOPMENT OF RATE BASE CONT-4							
DEPRECIATION & AMORTIZATION RESERVE							
INTANGIBLE PLANT RESERVE							
1	302-GAS FRANCHISES & CONSENTS	0	0	0	0	0	0
2	303-MISC INTANGIBLE PLT	0	0	0	0	0	0
3	303-MISC INTANGIBLE CAPITAL SOFT	2,464,766	2,942,359	1,076,155	420,868	206,650	869,002
4	TOT INTANGIBLE PLT RESERVE	2,464,766	2,942,359	1,076,155	420,868	206,650	869,002
PRODUCTION PLANT LNG							
5	304-LAND & LAND RIGHTS	2,925	3,292	780	109	67	12
6	305-STRUCTURES	251,371	282,912	67,032	9,330	5,738	1,049
7	307-OTHER POWER EQUIP	5,538	6,232	1,477	206	126	23
8	311-LNG GAS EQUIPMENT	(110,024)	(123,829)	(29,339)	(4,084)	(2,512)	(459)
9	320-OTHER EQUIPMENT	(11,403)	(12,834)	(3,041)	(423)	(260)	(48)
10	TOTAL PRODUCTION LNG RESERVE	138,407	155,773	36,908	5,137	3,160	578
STORAGE PLANT LNG							
11	360-STORAGE LAND & LAND RIGHTS	895	1,007	239	33	20	4
12	361-STOR STRUCT & IMPROV	247,828	278,923	66,087	9,199	5,658	1,035
13	362-STORAGE GAS HOLDERS	467,547	526,212	124,678	17,355	10,673	1,952
14	363-STOR PURIFICATION EQUIP	604,390	680,225	161,169	22,434	13,797	2,523
15	TOTAL STORAGE PLANT LNG	1,320,660	1,486,367	352,172	49,021	30,149	5,513

13-Aug-18 10:07 AM

DEVELOPMENT OF RATE BASE CONT-5		ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
1	DISTRIBUTION PLANT RESERVE	PLT374	32,592	294	16,610
2	374-LAND & LAND RIGHTS	PLT375	7,347,981	66,246	3,744,677
3	375-GAS DIST STATION STRUCTURES	PLT376	165,656,857	1,683,315	95,389,746
4	376-MAINS	PLT377	740,473	6,676	377,360
5	377-DIST COMP STATION EQ	PLT378	6,409,008	57,780	3,266,157
6	378-GAS MEAS & REG STATION EQ	PLT379	5,272,819	47,537	2,687,133
7	379-DIST MEAS & REG GS EQ	PLT380	161,424,013	10,187,527	131,298,419
8	380-SERVICES	PLT381	28,852,254	1,463,496	19,935,867
9	381-METERS	PLT382	7,315,848	371,088	5,054,988
10	382-METER INSTALLATION	PLT383	758,273	38,462	523,939
11	383-HOUSE REGULATORS	PLT384	713,726	36,203	493,159
12	384-HOUSE REGULATORS INSTALLS	PLT385	362,796	3,271	184,888
13	385-IND MEAS & REG STA EQUIP	PLT386	407,674	3,675	207,759
14	386-OTHER PROP CUST PREM	PLT387	568,385	5,124	289,660
15	387-DIST OTHER EQUIP				
15	TOTAL DISTRIBUTION PLANT		385,862,697	13,970,693	263,470,361
GENERAL PLT RESERVE					
16	389-LAND & LAND RIGHTS	PLT389	10,053	341	6,791
17	390-STRUCTURES & IMPROV	PLT390	838,212	28,449	566,210
18	391-OFFICE EQUIPMENT	PLT391	(1,200,683)	(40,751)	(811,058)
19	392-TRANSPORTATION EQUIP	PLT392	22,045	748	14,892
20	393-STORES EQUIPMENT	PLT393	595	17	388
21	394-TOOLS, SHOP & GARAGE EQ	PLT394	315,783	9,242	205,973
22	395-LABORATORY EQUIPMENT	PLT395	155,950	4,564	101,720
23	396-POWER OPERATED EQUIP	PLT396	0	0	0
24	397-COMMUNICATION EQUIP	PLT397	893,699	30,332	603,691
25	398-MISCELLANEOUS EQUIP	PLT398	788,436	26,759	532,586
26	399-OTHER TANGIBLE PROPERTY	PLT399	5,981	203	4,040
27	TOTAL GENERAL PLT RESERVE		1,830,071	59,906	1,225,232
28	ADJUSTMENT	PLANT	0	0	0
29	TOTAL DEPRECIATION RESERVE		430,161,879	15,087,376	294,544,282

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

DEVELOPMENT OF RATE BASE CONT-5		ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARG LOW LOAD FAC RATE 33	C & I LARG HIGH LOAD FAC RATE 23	C & I X LARG LOW LOAD FAC RATE 34	C & I X LARG HIGH LOAD FAC RATE 24
DISTRIBUTION PLANT RESERVE								
1	374-LAND & LAND RIGHTS	PLT374	2,161	4,534	2,283	932	1,035	4,744
2	375-GAS DIST STATION STRUCTURES	PLT375	487,094	1,022,294	514,624	210,193	233,399	1,069,455
3	376-MAINS	PLT376	12,410,199	25,998,398	13,104,066	5,322,243	2,104,746	9,644,145
4	377-DIST COMP STATION EQ	PLT377	49,086	103,019	51,860	21,182	23,520	107,771
5	378-GAS MEAS & REG STATION EQ	PLT378	424,850	891,659	448,862	183,333	203,573	932,793
6	379-DIST MEAS & REG GS EQ	PLT379	349,533	733,585	369,287	150,832	167,484	767,427
7	380-SERVICES	PLT380	14,463,744	4,092,213	806,798	360,870	58,071	156,370
8	381-METERS	PLT381	3,022,845	3,334,330	561,470	213,365	99,580	221,301
9	382-METER INSTALLATION	PLT382	766,480	845,461	142,368	54,101	25,250	56,114
10	383-HOUSE REGULATORS	PLT383	79,444	87,630	14,756	5,607	2,617	5,816
11	384-HOUSE REGULATORS INSTALLS	PLT384	74,777	82,482	13,889	5,278	2,463	5,474
12	385-IND MEAS & REG STA EQUIP	PLT385	24,050	50,474	25,409	10,378	11,524	52,803
13	386-OTHER PROP CUST PREM	PLT386	27,024	56,718	28,552	11,662	12,949	59,334
14	387-DIST OTHER EQUIP	PLT387	37,678	79,077	39,807	16,259	18,054	82,725
15	TOTAL DISTRIBUTION PLANT		32,218,964	37,381,876	16,124,030	6,566,236	2,964,266	13,166,271
GENERAL PLT RESERVE								
16	389-LAND & LAND RIGHTS	PLT389	902	1,077	394	154	76	318
17	390-STRUCTURES & IMPROV	PLT390	75,228	89,804	32,846	12,845	6,307	26,523
18	391-OFFICE EQUIPMENT	PLT391	(107,759)	(128,639)	(47,049)	(18,400)	(9,035)	(37,992)
19	392-TRANSPORTATION EQUIP	PLT392	1,979	2,362	864	338	166	698
20	393-STORES EQUIPMENT	PLT393	49	68	31	12	5	24
21	394-TOOLS, SHOP & GARAGE EQ	PLT394	25,771	36,059	16,290	6,622	2,891	12,937
22	395-LABORATORY EQUIPMENT	PLT395	12,727	17,808	8,045	3,270	1,428	6,389
23	396-POWER OPERATED EQUIP	PLT396	0	0	0	0	0	0
24	397-COMMUNICATION EQUIP	PLT397	80,208	95,749	35,020	13,696	6,725	28,279
25	398-MISCELLANEOUS EQUIP	PLT398	70,760	84,471	30,895	12,083	5,933	24,948
26	399-OTHER TANGIBLE PROPERTY	PLT399	537	641	234	92	45	189
27	TOTAL GENERAL PLT RESERVE		160,400	199,400	77,569	30,712	14,540	62,312
28	ADJUSTMENT	PLANT	0	0	0	0	0	0
29	TOTAL DEPRECIATION RESERVE		36,303,197	42,165,776	17,666,834	7,071,974	3,218,765	14,103,676

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
DEVELOPMENT OF RATE BASE CONT-6				
1	TOTAL GAS PLANT IN SERVICE	1,310,853,604	37,879,547	859,511,377
2	LESS: ACCUM DEPREC RESERVE	430,161,879	15,087,376	294,544,282
3	NET UTILITY PLANT IN SERVICE	880,691,725	22,792,171	564,967,095
4	PLUS: CWIP	44,213,371	1,294,017	28,838,573
5	LESS: CONTRIB IN AID OF CONST	(946)	(26)	(620)
6	NET PLANT	924,906,042	24,086,215	593,806,288
ADDITIONS TO NET PLANT				
7	MATERIALS & SUPPLIES	2,680,174	78,442	1,748,168
8	PREPAID EXPENSES EXCL TAXES	204,501	5,909	134,089
9	UNAMORTIZED INTEREST & DEBT	1,873,205	54,130	1,228,239
10	DEFERRED DEBITS	0	0	0
11	CASH WORKING CAPITAL	6,672,954	210,615	4,482,194
12	TOTAL ADDITIONS TO NET PLT	11,430,834	349,096	7,592,690

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARG LOW LOAD FAC RATE 33	C & I LARG HIGH LOAD FAC RATE 23	C & I X LARG LOW LOAD FAC RATE 34	C & I X LARG HIGH LOAD FAC RATE 24
DEVELOPMENT OF RATE BASE CONT-6							
1	TOTAL GAS PLANT IN SERVICE	107,889,575	149,189,752	66,168,256	26,635,003	11,688,422	51,891,673
2	LESS: ACCUM DEPREC RESERVE	36,303,197	42,165,776	17,666,834	7,071,974	3,218,765	14,103,676
3	NET UTILITY PLANT IN SERVICE	71,586,378	107,023,976	48,501,422	19,563,029	8,469,658	37,787,997
4	PLUS: CWIP	3,608,189	5,048,648	2,280,778	927,139	404,730	1,811,297
5	LESS: CONTRIB IN AID OF CONST	(76)	(107)	(51)	(21)	(8)	(37)
6	NET PLANT	75,194,643	112,072,731	50,782,251	20,490,189	8,874,396	39,599,330
ADDITIONS TO NET PLANT							
7	MATERIALS & SUPPLIES	218,725	306,044	138,259	56,202	24,534	109,799
8	PREPAID EXPENSES EXCL TAXES	16,831	23,275	10,323	4,155	1,823	8,095
9	UNAMORTIZED INTEREST & DEBT	154,174	213,192	94,554	38,061	16,703	74,153
10	DEFERRED DEBITS	0	0	0	0	0	0
11	CASH WORKING CAPITAL	607,098	722,408	270,805	99,881	53,787	226,165
12	TOTAL ADDITIONS TO NET PLT	996,828	1,264,919	513,941	198,300	96,847	418,213

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
DEVELOPMENT OF RATE BASE CONT-7				
DEDUCTIONS TO NET PLANT				
1	ACCUMULATED DEFERRED FIT	155,641,847	4,497,560	102,052,539
2	MERGER HOLD HARMLESS ADJ	18,662,756	539,295	12,236,951
3	CUSTOMER DEPOSITS	1,467,477	814	106,916
4	INJURIES & DAMAGES RESERVE	0	0	0
5	TOTAL DEDUCTIONS TO NET PLT	175,772,080	5,037,669	114,396,406
6	TOTAL RATE BASE	760,564,796	19,397,642	487,002,571

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
DEVELOPMENT OF RATE BASE CONT-7							
DEDUCTIONS TO NET PLANT							
1	PLANT	12,810,075	17,713,777	7,856,369	3,162,459	1,387,804	6,161,265
2	ACCUMULATED DEFERRED FIT	1,536,035	2,124,030	942,044	379,205	166,409	738,787
3	MERGER HOLD HARMLESS ADJ	703,645	479,250	109,524	45,043	2,889	19,394
4	CUSTOMER DEPOSITS	0	0	0	0	0	0
4	INJURIES & DAMAGES RESERVE	0	0	0	0	0	0
5	TOTAL DEDUCTIONS TO NET PLT	15,049,755	20,317,057	8,907,937	3,586,708	1,557,102	6,919,446
6	TOTAL RATE BASE	61,141,716	93,020,593	42,388,255	17,101,781	7,414,140	33,098,097

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
REVENUES-8				
GAS OPERATING REVENUES				
1		209,286,191	4,754,494	138,374,964
2	DISTR	224,996	2,028	114,662
3	DISTR	1,436,004	12,946	731,816
4		210,947,191	4,769,469	139,221,443
OTHER OPERATING REVENUES				
LATE PAYMENT CHARGES				
5	C488R21	125,668	0	0
6	C488R22	158,935	0	0
7	C488R33	55,462	0	0
8	C488R23	18,005	0	0
9	C488R34	18,982	0	0
10	C488R24	32,599	0	0
11		409,652	0	0
TOTAL LATE PAYMENT CHARGES				
12	PLANT	344,338	9,950	225,779
13	PLANT	937,241	27,083	614,538
14	PLANT	248,262	7,174	162,782
15	PLANT	(23,725)	(686)	(15,557)
16	PLANT	(51,583)	(1,491)	(33,822)
17		1,864,184	42,031	953,720
18		212,811,375	4,811,501	140,175,163

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
REVENUES-8							
GAS OPERATING REVENUES							
1		16,893,996	24,617,034	10,586,080	3,626,809	1,977,222	8,455,593
2	SPECIAL CONTRACT	14,915	31,303	15,758	6,436	7,147	32,747
3	NON FIRM MARGINS	95,192	199,785	100,572	41,078	45,613	209,002
4	TOTAL REVENUE SALES OF GAS	17,004,103	24,848,122	10,702,409	3,674,323	2,029,981	8,697,341
OTHER OPERATING REVENUES							
LATE PAYMENT CHARGES							
5	C & I SMALL RATE 21	125,668	0	0	0	0	0
6	C & I MEDIUM RATE 22	0	158,935	0	0	0	0
7	C & I LARGE LLF RATE 33	0	0	55,462	0	0	0
8	C & I LARGE HLF RATE 23	0	0	0	18,005	0	0
9	C & I X LARGE LLF RATE 34	0	0	0	0	18,982	0
10	C & I X LARGE HLF RATE 24	0	0	0	0	0	32,599
11	TOTAL LATE PAYMENT CHARGES	125,668	158,935	55,462	18,005	18,982	32,599
12	MISCELLANEOUS FEES/CREDITS	28,341	39,190	17,381	6,997	3,070	13,631
13	NON UTILITY BILLING	77,139	106,668	47,309	19,044	8,357	37,102
14	RENTAL EXPENSE	20,433	28,255	12,532	5,044	2,214	9,828
15	AFUDC - EQUITY/DEBT	(1,953)	(2,700)	(1,198)	(482)	(212)	(939)
16	MISCELLANEOUS REV ADJ	(4,246)	(5,871)	(2,604)	(1,048)	(460)	(2,042)
17	TOTAL OTHER OPERATING REV	245,383	324,477	128,883	47,559	31,952	90,179
18	TOTAL GAS OPERATING REVENUE	17,249,486	25,172,599	10,831,293	3,721,882	2,061,933	8,787,520

13-Aug-18 10:07 AM

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
OPER & MAINT EXPENSE-9				
OPERATION & MAINTENANCE EXPENSE				
PURCHASED GAS SUPPLY EXPENSES				
PURCHASED GAS SUPPLY				
804 PURCHASED GAS COSTS				
1	EGAS	0	0	0
2		0	0	0
TOTAL DIRECT GAS COSTS				
3	EGAS	0	0	0
812-GAS USED OTHER UTILITY OP				
4	EGAS	3,156	47	2,318
813-OTH GAS SUPPLY EXP				
5		3,156	47	2,318
TOTAL GAS SUPPLY EXPENSE				
6		3,156	47	2,318
TOTAL PRODUCTION EXPENSE				

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
OPER & MAINT EXPENSE-9							
OPERATION & MAINTENANCE EXPENSE							
PURCHASED GAS SUPPLY EXPENSES							
PURCHASED GAS SUPPLY							
804 PURCHASED GAS COSTS							
1	EGAS	0	0	0	0	0	0
2	TOTAL DIRECT GAS COSTS	0	0	0	0	0	0
3	812-GAS USED OTHER UTILITY OP	0	0	0	0	0	0
4	813-OTH GAS SUPPLY EXP	278	391	77	28	8	9
5	TOTAL GAS SUPPLY EXPENSE	278	391	77	28	8	9
6	TOTAL PRODUCTION EXPENSE	278	391	77	28	8	9

13-Aug-18 10:07 AM

	ALOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
OPER & MAINT EXPENSE CONT-10				
PURCHASED GAS SUPPLY EXPENSES				
LOCAL STORAGE EXPENSES				
1	841-OPERATION LABOR & EXPENSES	1,955,077	16,244	1,471,903
2	842-RENTS	15,585	129	11,733
3	843-MAINT OF VAPORIZING EQUIP	11,749	98	8,845
4	844-OPER SUPERVISION & ENGINEER	0	0	0
5	845-FUEL & POWER	0	0	0
6	846-OTHER EXPENSES	0	0	0
7	847.1-MAINT SUPERVISION & ENG	0	0	0
8	847.2-MAINT STRUCT & IMPROV	0	0	0
9	847.3-MAINT LNG PROCESS TERM EQ	0	0	0
10	847.5-MAINT MEAS/REG EQUIP	0	0	0
11	847.8-MAINT OF VAPORIZING EQ	0	0	0
12	LNG ADJUSTMENT GCR COSTS	0	0	0
13	TOTAL STORAGE EXPENSES	1,982,410	16,471	1,492,481

13-Aug-18 10:07 AM

ALOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
OPER & MAINT EXPENSE CONT-10						
PURCHASED GAS SUPPLY EXPENSES						
LOCAL STORAGE EXPENSES						
1 841-OPERATION LABOR & EXPENSES	190,098	213,950	50,692	7,056	4,340	794
2 842-RENTS	1,515	1,706	404	56	35	6
3 843-MAINT OF VAPORIZING EQUIP	1,142	1,286	305	42	26	5
4 844-OPER SUPERVISION & ENGINEER	0	0	0	0	0	0
5 845-FUEL & POWER	0	0	0	0	0	0
6 846-OTHER EXPENSES	0	0	0	0	0	0
7 847.1-MAINT SUPERVISION & ENG	0	0	0	0	0	0
8 847.2-MAINT STRUCT & IMPROV	0	0	0	0	0	0
9 847.3-MAINT LNG PROCESS TERM EQ	0	0	0	0	0	0
10 847.5-MAINT MEAS/REG EQUIP	0	0	0	0	0	0
11 847.8-MAINT OF VAPORIZING EQ	0	0	0	0	0	0
12 LNG ADJUSTMENT GCR COSTS	0	0	0	0	0	0
13 TOTAL STORAGE EXPENSES	192,756	216,942	51,401	7,155	4,400	805

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
OPER & MAINT EXPENSE CONT-11				
DISTRIBUTION EXPENSES				
OPERATION EXPENSE				
1	850-OPER SUPER & ENGINEERING	11,014	457	7,320
2	861-MAINT SUPER & ENGINEERING	70,018	2,906	46,533
3	863-MAINTENANCE OF MAINS	161	2	93
4	870-SUPER & ENGINEERING	3,155,426	130,960	2,097,040
5	871-SYS CONTROL & LOAD DISP	1,129,133	10,180	575,428
6	873-COMP STATION FUEL & POWER	17,727	160	9,034
7	874-MAINS & SERVICE EXPENSE	3,583,261	100,249	2,349,740
8	875-OPER STATION EXP - GENERAL	851,170	7,674	433,773
9	876-OPER STATION EXP - INDUST	32,219	290	16,419
10	878-METER & HOUSE REG EXP	9,977,694	506,107	6,894,227
11	879-CUSTOMER INSTALL EXP	396,016	23,768	310,007
12	880-OTHER EXPENSES	6,888,322	279,384	4,562,262
13	881-RENTS	(29,066)	(1,179)	(19,251)
14	TOTAL OPERATION EXPENSE	26,083,094	1,060,957	17,282,625
MAINTENANCE				
15	885-SUPERVISION	478,122	19,609	331,857
16	887-MAINTENANCE OF MAINS	2,512,497	25,531	1,446,764
17	888-MAINT COMPRESSOR STA EQ	62,659	565	31,932
18	889-MT OF MEAS & REG STA EQ	703,429	6,342	358,481
19	890-MT OF REG EQ (INDUST)	526,105	4,743	268,114
20	891-MT OF REG EQ (CITY GATE)	0	0	0
21	892-MAINTENANCE OF SERVICES	4,097,618	258,602	3,332,904
22	893-MAINT METER & HOUSE REG	1,639,972	83,186	1,133,162
23	894-MAINT OTHER EQUIP	(11,633)	(105)	(5,928)
24	TOTAL MAINTENANCE EXPENSE	10,008,769	398,473	6,897,286
25	TOTAL DISTRIBUTION EXPENSES	36,091,863	1,459,429	24,179,911

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARG LOW LOAD FAC RATE 33	C & I LARG HIGH LOAD FAC RATE 23	C & I X LARG LOW LOAD FAC RATE 34	C & I X LARG HIGH LOAD FAC RATE 24
OPER & MAINT EXPENSE CONT-11							
DISTRIBUTION EXPENSES							
OPERATION EXPENSE							
1	850-OPER SUPER & ENGINEERING	1,046	1,277	353	140	86	335
2	861-MAINT SUPER & ENGINEERING	6,648	8,120	2,242	890	549	2,131
3	863-MAINTENANCE OF MAINS	12	25	13	5	2	9
4	870-SUPER & ENGINEERING	299,580	365,947	101,049	40,093	24,722	96,034
5	871-SYS CONTROL & LOAD DISP	74,850	157,092	79,080	32,300	35,865	164,339
6	873-COMP STATION FUEL & POWER	1,175	2,466	1,241	507	563	2,580
7	874-MAINS & SERVICE EXPENSE	286,146	403,709	194,104	79,083	30,642	139,587
8	875-OPER STATION EXP - GENERAL	56,424	118,420	59,613	24,348	27,036	123,883
9	876-OPER STATION EXP - INDUST	2,136	4,482	2,256	922	1,023	4,689
10	878-METER & HOUSE REG EXP	1,045,361	1,153,079	194,168	73,786	34,437	76,530
11	879-CUSTOMER INSTALL EXP	36,983	18,959	3,409	1,395	448	1,046
12	880-OTHER EXPENSES	647,821	800,635	230,026	91,490	56,019	220,884
13	881-RENTS	(2,733)	(3,378)	(971)	(386)	(236)	(932)
14	TOTAL OPERATION EXPENSE	2,455,249	3,030,834	866,583	344,574	211,157	831,116
MAINTENANCE							
15	885-SUPERVISION	41,772	44,518	16,501	6,688	3,267	13,908
16	887-MAINTENANCE OF MAINS	188,224	394,314	198,748	80,722	31,922	146,272
17	888-MAINT COMPRESSOR STA EQ	4,154	8,718	4,388	1,792	1,990	9,120
18	889-MT OF MEAS & REG STA EQ	46,630	97,865	49,265	20,122	22,343	102,380
19	890-MT OF REG EQ (INDUST)	34,875	73,195	36,846	15,050	16,711	76,571
20	891-MT OF REG EQ (CITY GATE)	0	0	0	0	0	0
21	892-MAINTENANCE OF SERVICES	367,150	103,878	20,480	9,160	1,474	3,969
22	893-MAINT METER & HOUSE REG	171,820	189,524	31,914	12,128	5,660	12,579
23	894-MAINT OTHER EQUIP	(771)	(1,618)	(815)	(333)	(369)	(1,693)
24	TOTAL MAINTENANCE EXPENSE	853,854	910,393	357,328	145,329	82,999	363,106
25	TOTAL DISTRIBUTION EXPENSES	3,309,103	3,941,227	1,223,912	489,903	294,157	1,194,222

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
OPER & MAINT EXPENSE CONT-12				
CUSTOMER ACCOUNT				
1	TLABCA	318,665	17,709	275,384
2	CUST902	518,073	28,664	380,747
3	CUST903	6,688,765	371,832	5,841,781
904-UNCOLLECTIBLE ACCTS				
4	REVCLAIM	139,837	4,435	92,796
5	REVCLAIM	2,921,606	92,655	1,938,786
6	REVCLAIM	200,216	6,350	132,864
7	REVCLAIM	117,521	3,727	77,988
8	REVCLAIM	13,634	432	9,048
9	REVCLAIM	0	0	0
10	REVCLAIM	0	0	0
11	REVCLAIM	3,855	122	2,558
12	EXP904B	0	0	0
13	TOTAL ACCOUNT 904	3,396,670	107,721	2,254,040
14	EXP9023	419,475	23,311	362,184
15	TOTAL CUSTOMER ACCTS EXP	11,341,648	549,237	9,114,135
CUSTOMER SERVICES & INFO EXP				
16	TLABSE	25,290	210	2,809
17	CUST908	350,483	2,915	38,924
18	CUST908	851,744	7,083	94,593
19	CUST908	446,797	3,716	49,620
20	TOT CUST SERV & INFO EXP	1,674,315	13,924	185,946
SALES EXPENSES				
21	TLABSA	36,117	1,312	23,953
22	CUST912	475,198	17,259	315,162
23	CUST912	51,675	1,877	34,272
24	CUST912	156,197	5,673	103,593
25	TOTAL SALES EXPENSE	719,187	26,120	476,980

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARG LOW LOAD FAC RATE 33	C & I LARG HIGH LOAD FAC RATE 23	C & I X LARG LOW LOAD FAC RATE 34	C & I X LARG HIGH LOAD FAC RATE 24
OPER & MAINT EXPENSE CONT-12							
CUSTOMER ACCOUNT							
1	TLABCA	16,465	7,069	1,462	333	60	182
2	CUST902	41,749	36,717	21,444	5,360	1,018	2,375
3	CUST903	331,853	125,222	13,182	2,576	415	1,905
4	REVCLAIM	12,311	15,461	6,247	2,504	1,132	4,949
5	REVCLAIM	257,221	323,029	130,528	52,320	23,659	103,409
6	REVCLAIM	17,627	22,137	8,945	3,585	1,621	7,087
7	REVCLAIM	10,347	12,994	5,250	2,105	952	4,160
8	REVCLAIM	1,200	1,507	609	244	110	483
9	REVCLAIM	0	0	0	0	0	0
10	REVCLAIM	0	0	0	0	0	0
11	REVCLAIM	339	426	172	69	31	136
12	EXP904B	0	0	0	0	0	0
13	EXP9023	299,046	375,554	151,752	60,827	27,506	120,223
14		21,746	9,426	2,015	462	83	249
15		710,859	553,987	189,855	69,558	29,082	124,934
CUSTOMER SERVICES & INFO EXP							
16	TLABSE	16,926	4,651	402	181	29	82
17	CUST908	234,568	64,452	5,569	2,513	404	1,138
18	CUST908	570,047	156,630	13,535	6,107	983	2,767
19	CUST908	299,028	82,163	7,100	3,204	516	1,451
20		1,120,568	307,896	26,606	12,005	1,932	5,438
SALES EXPENSES							
21	TLABSA	2,413	2,863	1,231	610	559	3,175
22	CUST912	31,755	37,675	16,194	8,026	7,355	41,772
23	CUST912	3,453	4,097	1,761	873	800	4,542
24	CUST912	10,438	12,384	5,323	2,638	2,418	13,731
25		48,060	57,019	24,508	12,147	11,132	63,220

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
OPER & MAINT EXPENSE CONT-13				
ADMINISTRATIVE & GENERAL EXPENSE				
1	LABOR	5,941,228	201,645	4,013,283
2	LABOR	4,660,737	158,185	3,148,315
3	LABOR	1,880,943	63,839	1,270,572
4	PLANT	308,560	8,916	202,319
5	LABOR	1,358,329	46,102	917,547
6	LABOR	8,437,151	286,356	5,699,272
7	REVCLAIM	0	0	0
8	REVCLAIM	1,910,229	60,581	1,267,634
9	LABOR	0	0	0
10	LABOR	872,462	29,611	589,346
11	LABOR	8,956,830	303,994	6,050,314
12		34,326,469	1,159,229	23,158,602
13	MAINTENANCE			
14	GENPLT	8,477	278	5,679
15	TOTAL ADMIN & GEN EXPENSE			
		34,334,946	1,159,507	23,164,281
16	REVCLAIM	0	0	0
17	REVCLAIM	0	0	0
18	TOTAL GAS O & M EXPENSE			
		86,147,525	3,224,735	58,616,051

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
OPER & MAINT EXPENSE CONT-13							
ADMINISTRATIVE & GENERAL EXPENSE							
1	LABOR	533,212	636,532	232,809	91,048	44,705	187,994
2	LABOR	418,291	499,342	182,632	71,425	35,070	147,477
3	LABOR	168,810	201,521	73,705	28,825	14,153	59,517
4	PLANT	25,396	35,118	15,575	6,270	2,751	12,215
5	LABOR	121,907	145,529	53,226	20,816	10,221	42,981
6	LABOR	757,216	903,940	330,612	129,297	63,486	266,971
7	REVCLAIM	0	0	0	0	0	0
8	REVCLAIM	168,179	211,205	85,343	34,208	15,469	67,611
9	LABOR	0	0	0	0	0	0
10	LABOR	78,302	93,474	34,188	13,370	6,565	27,607
11	LABOR	803,856	959,617	350,976	137,261	67,397	283,415
12	TOTAL OPERATION EXPENSE	3,075,168	3,686,277	1,359,066	532,520	259,818	1,095,789
13	MAINTENANCE						
14	GENPLT	744	923	358	141	67	287
15	TOTAL ADMIN & GEN EXPENSE	3,075,912	3,687,200	1,359,423	532,662	259,885	1,096,076
16	OTHER ADJUSTMENTS	0	0	0	0	0	0
17	OTHER ADJUSTMENTS	0	0	0	0	0	0
18	TOTAL GAS O & M EXPENSE	8,457,536	8,764,662	2,875,782	1,123,458	600,596	2,484,704

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
DEPRECIATION & AMORTIZATION-14				
DEPRECIATION & AMORTIZATION EXPENSE				
AMORTIZATION EXPENSE				
1	AMORTIZATION RATE CASE EXP	267,216	8,474	177,325
2	ENVIRONMENTAL COST AMORT	1,310,000	37,855	858,952
3	TOTAL AMORTIZATION EXPENSE	1,577,216	46,329	1,036,277
DEPRECIATION EXPENSE				
INTANGIBLE PLANT				
4	302-GAS FRANCHISES & CONSENTS	0	0	0
5	303-MISC INTANGIBLE PLT - CIS	0	0	0
6	303-MISC INTANG PLT - SOFTWARE	426,184	14,465	287,886
7	TOTAL INTANGIBLE EXPENSE	426,184	14,465	287,886
PRODUCTION PLANT LPG				
8	304-LAND & LAND RIGHTS	11,132	92	8,381
9	305-STRUCTURES	82,166	683	61,860
10	307-OTHER POWER EQUIP	1,408	12	1,060
11	311-LPG GAS EQUIPMENT	255,263	2,121	192,178
12	320-OTHER EQUIPMENT	33,751	280	25,410
13	TOTAL PRODUCTION PLANT	383,721	3,188	288,889
PRODUCTION PLANT LNG				
14	360-LAND & LAND RIGHTS	7,967	66	5,998
15	361-STRUCTURES & IMPROVEMENTS	103,266	858	77,745
16	362-GAS HOLDERS & LNG EQUIP	140,523	1,168	105,794
17	363-PURIFICATION EQUIP	423,771	3,521	319,041
18	TOTAL PRODUCTION PLANT LNG	675,527	5,613	508,578

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

DEPRECIATION & AMORTIZATION-14		ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
DEPRECIATION & AMORTIZATION EXPENSE								
AMORTIZATION EXPENSE								
1	AMORTIZATION RATE CASE EXP	REVCLAIM	23,526	29,545	11,938	4,785	2,164	9,458
2	ENVIRONMENTAL COST AMORT	PLANT	107,819	149,093	66,125	26,618	11,681	51,858
3	TOTAL AMORTIZATION EXPENSE		131,345	178,637	78,064	31,403	13,845	61,316
DEPRECIATION EXPENSE								
INTANGIBLE PLANT								
4	302-GAS FRANCHISES & CONSENTS	PLT302	0	0	0	0	0	0
5	303-MISC INTANGIBLE PLT - CIS	PLT303	0	0	0	0	0	0
6	303-MISC INTANG PLT - SOFTWARE	PLT303SL	38,249	45,661	16,700	6,531	3,207	13,485
7	TOTAL INTANGIBLE EXPENSE		38,249	45,661	16,700	6,531	3,207	13,485
PRODUCTION PLANT LPG								
8	304-LAND & LAND RIGHTS	PLT304	1,082	1,218	289	40	25	5
9	305-STRUCTURES	PLT305	7,989	8,992	2,130	297	182	33
10	307-OTHER POWER EQUIP	PLT307	137	154	37	5	3	1
11	311-LPG GAS EQUIPMENT	PLT311	24,820	27,934	6,619	921	567	104
12	320-OTHER EQUIPMENT	PLT320	3,282	3,694	875	122	75	14
13	TOTAL PRODUCTION PLANT		37,310	41,992	9,949	1,385	852	156
PRODUCTION PLANT LNG								
14	360-LAND & LAND RIGHTS	PLT360	775	872	207	29	18	3
15	361-STRUCTURES & IMPROVEMENTS	PLT361	10,041	11,301	2,678	373	229	42
16	362-GAS HOLDERS & LNG EQUIP	PLT362	13,663	15,378	3,644	507	312	57
17	363-PURIFICATION EQUIP	PLT363	41,205	46,375	10,988	1,529	941	172
18	TOTAL PRODUCTION PLANT LNG		65,684	73,925	17,515	2,438	1,499	274

13-Aug-18 10:07 AM

DEPRECIATION & AMORTIZATION-15		ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
DISTRIBUTION EXPENSE					
1	374-LAND & LAND RIGHTS	PLT374	29,186	263	14,874
2	375-GAS DIST STATION STRUCTURES	PLT375	324,669	2,927	165,458
3	376-MAINS	PLT376	21,327,018	216,714	12,280,680
4	377-DIST COMP STATION EQ	PLT377	7,586	68	3,866
5	378-GAS MEAS & REG STATION EQ	PLT378	942,561	8,498	480,348
6	379-DIST MEAS & REG GS EQ	PLT379	379,279	3,419	193,288
7	380-SERVICES	PLT380	10,929,911	689,791	8,890,128
8	381-METERS	PLT381	1,721,290	87,310	1,189,349
9	382-METER INSTALLATION	PLT382	1,424,768	72,270	984,463
10	383-HOUSE REGULATORS	PLT383	28,591	1,450	19,756
11	384-HOUSE REGULATORS INSTALLS	PLT384	80,874	4,102	55,881
12	385-IND MEAS & REG STA EQUIP	PLT385	24,286	219	12,377
13	386-OTHER PROP CUST PREM	PLT386	11,650	105	5,937
14	387-DIST OTHER EQUIP	PLT387	28,373	256	14,460
15	TOTAL DISTRIBUTION PLANT		37,260,045	1,087,392	24,310,864
GENERAL PLANT EXP					
16	389-LAND & LAND RIGHTS	PLT389	8,705	295	5,880
17	390-STRUCTURES & IMPROV	PLT390	276,601	9,388	186,843
18	391-OFFICE EQUIPMENT	PLT391	8,381	284	5,661
19	392-TRANSPORTATION EQUIP	PLT392	0	0	0
20	393-STORES EQUIPMENT	PLT393	0	0	0
21	394-TOOLS, SHOP & GARAGE EQ	PLT394	190,890	5,587	124,509
22	395-LABORATORY EQUIPMENT	PLT395	6,759	198	4,409
23	396-POWER OPERATED EQUIP	PLT396	0	0	0
24	397-COMMUNICATION EQUIP	PLT397	13,762	467	9,296
25	398-MISCELLANEOUS EQUIP	PLT398	126,019	4,277	85,125
26	TOTAL GENERAL PLANT EXP		631,117	20,497	421,725
27	UNRECOVERED RESERVE	PLANT	186,500	5,389	122,286
28	TOTAL DEPR & AMORT EXPENSE		41,140,310	1,182,873	26,976,506

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARG LOW LOAD FAC RATE 33	C & I LARG HIGH LOAD FAC RATE 23	C & I X LARG LOW LOAD FAC RATE 34	C & I X LARG HIGH LOAD FAC RATE 24
DEPRECIATION & AMORTIZATION-15							
DISTRIBUTION EXPENSE							
1	PLT374	1,935	4,061	2,044	835	927	4,248
2	PLT375	21,522	45,170	22,739	9,287	10,313	47,254
3	PLT376	1,597,716	3,347,089	1,687,045	685,197	270,970	1,241,608
4	PLT377	503	1,055	531	217	241	1,104
5	PLT378	62,482	131,135	66,013	26,963	29,939	137,184
6	PLT379	25,142	52,768	26,563	10,849	12,047	55,202
7	PLT380	979,330	277,081	54,628	24,434	3,932	10,588
8	PLT381	180,339	198,922	33,497	12,729	5,941	13,203
9	PLT382	149,273	164,654	27,726	10,536	4,917	10,928
10	PLT383	2,996	3,304	566	211	99	219
11	PLT384	8,473	9,346	1,574	598	279	620
12	PLT385	1,610	3,379	1,701	695	771	3,535
13	PLT386	772	1,621	816	333	370	1,696
14	PLT387	1,881	3,947	1,987	812	901	4,130
15	TOTAL DISTRIBUTION PLANT	3,033,974	4,243,532	1,927,421	783,697	341,647	1,531,517
GENERAL PLANT EXP							
16	PLT389	781	933	341	133	66	275
17	PLT390	24,824	29,635	10,839	4,239	2,081	8,752
18	PLT391	752	898	328	128	63	265
19	PLT392	0	0	0	0	0	0
20	PLT393	0	0	0	0	0	0
21	PLT394	15,578	21,797	9,847	4,003	1,747	7,820
22	PLT395	552	772	349	142	62	277
23	PLT396	0	0	0	0	0	0
24	PLT397	1,235	1,474	539	211	104	435
25	PLT398	11,310	13,501	4,938	1,931	948	3,988
26	TOTAL GENERAL PLANT EXP	55,033	69,010	27,181	10,787	5,071	21,813
27	UNRECOVERED RESERVE	PLANT	15,350	9,414	3,789	1,663	7,383
28	TOTAL DEPR & AMORT EXPENSE	3,376,944	4,673,983	2,086,245	840,031	367,784	1,635,944

13-Aug-18 10:07 AM

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
STATE & FED TAXES & OTHER EXP-16				
TAXES OTHER THAN INCOME				
1 PROPERTY TAX	PLANT	26,869,455	776,443	17,617,987
2 PAYROLL TAXES	LABOR	2,660,389	90,293	1,797,086
3 OTHER TAXES	PLANT	227,533	6,575	149,191
4 TOTAL TAXES OTHER THAN INC		29,757,377	873,311	19,564,264
5 TOTAL INCOME TAX EXPENSE		5,863,385	(254,230)	3,583,428
6 INTEREST ON CUSTOMER DEPOSITS	CUSTDEP	35,184	20	2,563
7 TOTAL EXPENSES		162,943,780	5,026,708	108,742,811

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
STATE & FED TAXES & OTHER EXP-16							
TAXES OTHER THAN INCOME							
1 PROPERTY TAX	PLANT	2,211,486	3,058,043	1,356,296	545,956	239,586	1,063,659
2 PAYROLL TAXES	LABOR	238,764	285,029	104,248	40,770	20,018	84,181
3 OTHER TAXES	PLANT	18,727	25,896	11,485	4,623	2,029	9,007
4 TOTAL TAXES OTHER THAN INC		2,468,977	3,368,968	1,472,029	591,349	261,633	1,156,847
5 TOTAL INCOME TAX EXPENSE		141,855	1,056,734	607,762	117,813	119,400	490,623
6 INTEREST ON CUSTOMER DEPOSITS	CUSTDEP	16,870	11,490	2,626	1,080	69	465
7 TOTAL EXPENSES		14,462,182	17,875,838	7,044,444	2,673,731	1,349,482	5,768,584

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
INCOME TAXES-17				
FEDERAL & STATE TAX CALCULAT				
1	OPERATING REVENUES	212,811,375	4,811,501	140,175,163
OPERATING EXPENSES				
2	OPERATION & MAINTENANCE EXP	86,147,525	3,224,735	58,616,051
3	DEPRECIATION & AMORTIZATION	41,140,310	1,182,873	26,976,506
4	TAXES OTHER THAN INCOME	29,757,377	873,311	19,564,264
5	INTEREST ON CUSTOMER DEPOSITS	35,184	20	2,563
6	AFUDC ADJUSTMENT	0	0	0
	PLANT			
7	OPERATING INC BEFORE FED TAX	55,730,980	(469,438)	35,015,779
LESS:				
8	INTEREST EXPENSE	18,405,668	469,423	11,785,462
9	NET OPERATING INC BEFORE TXS	37,325,312	(938,861)	23,230,317
LESS:				
10	STATE INCOME TAX @ 0.00%	0	0	0
11	FEDERAL TAXABLE BASIS	37,325,312	(938,861)	23,230,317
12	FEDERAL INCOME TAX @ 21.00%	7,838,316	(197,161)	4,878,367
13	AFUDC AMORTIZATION	23,070	667	15,126
14	AMORTIZATION OF EXCESS ADIT	(1,998,000)	(57,736)	(1,310,065)
12	TOTAL INCOME TAX EXPENSE	5,863,385	(254,230)	3,563,428
13	NET INCOME AFTER TAX	49,867,595	(215,208)	31,432,351
EFFECTIVE STATE TAX RATE				
	FEDERAL TAX RATE - CURRENT	0.00%		
	1 - INCREMENTAL TAX RATE	21.00% Tax Update		
	INCREMENTAL TAX RATE	0.79000		
	EFFECTIVE INCREMENTAL FEDERAL RATE	0.21000		
	FACTOR FOR TAXABLE BASIS	0.21000		
	INTEREST EXPENSE PERCENTAGE	1.26582		
	FEDERAL TAX RATE - NET OF UNCOLL	2.4200%		
	1-FEDL TAX RATE - NET OF UNCOLL	20.60% Tax Update		
		77.49% Tax Update		

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARG LOW LOAD FAC RATE 33	C & I LARG HIGH LOAD FAC RATE 23	C & I X LARG LOW LOAD FAC RATE 34	C & I X LARG HIGH LOAD FAC RATE 24
INCOME TAXES-17							
FEDERAL & STATE TAX CALCULAT							
1		17,249,486	25,172,599	10,831,293	3,721,882	2,061,933	8,787,520
OPERATING REVENUES							
OPERATING EXPENSES							
2		8,457,536	8,764,662	2,875,782	1,123,458	600,596	2,484,704
3		3,376,944	4,673,983	2,086,245	840,031	367,784	1,635,944
4		2,468,977	3,368,968	1,472,029	591,349	261,633	1,156,847
5		16,870	11,490	2,626	1,080	69	465
6	PLANT	0	0	0	0	0	0
7		2,929,158	8,353,496	4,394,611	1,165,964	831,851	3,509,559
LESS:							
8		1,479,630	2,251,098	1,025,796	413,863	179,422	800,974
9		1,449,528	6,102,397	3,368,815	752,101	652,429	2,708,585
LESS:							
10		0	0	0	0	0	0
11		1,449,528	6,102,397	3,368,815	752,101	652,429	2,708,585
12		304,401	1,281,503	707,451	157,941	137,010	568,803
13	PLANT	1,899	2,626	1,164	469	206	913
14	PLANT	(164,445)	(227,395)	(100,854)	(40,597)	(17,815)	(79,093)
12		141,855	1,056,734	607,762	117,813	119,400	490,623
13		2,787,303	7,296,761	3,786,849	1,048,151	712,451	3,018,936

EFFECTIVE STATE TAX RATE
FEDERAL TAX RATE - CURRENT
1 - INCREMENTAL TAX RATE
INCREMENTAL TAX RATE
EFFECTIVE INCREMENTAL FEDERAL RATE
FACTOR FOR TAXABLE BASIS
INTEREST EXPENSE PERCENTAGE
FEDERAL TAX RATE - NET OF UNCOLL
1-FEDL TAX RATE - NET OF UNCOLL

13-Aug-18 10:07 AM

	ALOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
DEVELOPMENT OF LABOR ALLOC-18				
DEVELOPMENT OF LABOR ALLOCATOR				
1	813-OTH GAS SUPPLY EXP EXP813	40	1	29
LOCAL STORAGE LABOR				
2	841-OPERATION LABOR & EXPENSE			
3	844-OPER SUPERVISION & ENGINEER LABSO	1,455,519	12,093	1,095,805
4	846-OTHER EXPENSES EXP846	0	0	0
5	847-1-MAINT SUPERVISION & ENG LABSO	0	0	0
6	847-2-MAINT STRUCT & IMPROV EXP8472	0	0	0
7	847-3-MAINT LNG PROCESS TERM EQ EXP8473	0	0	0
8	847.5-MAINT MEAS/REG EQUIP EXP8475	0	0	0
9	847.8-MAINT OF VAPORIZING EQ EXP8478	0	0	0
10	TOTAL STORAGE LABOR	1,455,519	12,093	1,095,805
11	TOTAL PROD & STORAGE LABOR	1,455,559	12,094	1,095,834

13-Aug-18 10:07 AM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
DEVELOPMENT OF LABOR ALLOC-18							
DEVELOPMENT OF LABOR ALLOCATOR							
1	EXP813	3	5	1	0	0	0
LOCAL STORAGE LABOR							
2	841-OPERATION LABOR & EXPENSE	141,525	159,282	37,739	5,253	3,231	591
3	844-OPER SUPERVISION & ENGINEER	0	0	0	0	0	0
4	846-OTHER EXPENSES	0	0	0	0	0	0
5	847-1-MAINT SUPERVISION & ENG	0	0	0	0	0	0
6	847-2-MAINT STRUCT & IMPROV	0	0	0	0	0	0
7	847-3-MAINT LNG PROCESS TERM EQ	0	0	0	0	0	0
8	847-5-MAINT MEAS/REG EQUIP	0	0	0	0	0	0
9	847-8-MAINT OF VAPORIZING EQ	0	0	0	0	0	0
10	TOTAL STORAGE LABOR	141,525	159,282	37,739	5,253	3,231	591
11	TOTAL PROD & STORAGE LABOR	141,528	159,287	37,740	5,253	3,231	591

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

DEVELOPMENT OF LABOR ALLOC CONT-19		ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
TRANSMISSION & DISTRIBUTION LABOR OPERATION					
1	850-OPER SUPER & ENGINEERING	LABDO	5,421	225	3,603
2	861-MAINT SUPER & ENGINEERING	LABDO	62,275	2,585	41,387
3	863-MAINTENANCE OF MAINS	EXP863	161	2	93
4	870-SUPER & ENGINEERING	LABDO	2,158,885	89,600	1,434,757
5	871-SYSTEM CONTROL & DISP	EXP871	657,988	5,932	335,324
6	873-COMP STATION FUEL & POWER	EXP873	0	0	0
7	874-MAINS & SERVICE EXPENSE	EXP874	2,103,949	58,862	1,379,674
8	875-OPER STATION EXP - GENERAL	EXP875	695,047	6,266	354,210
9	876-OPER STATION EXP - INDUSTR	EXP876	26,236	237	13,370
10	878-METER & HOUSE REG EXP	EXP878	7,535,593	382,234	5,206,823
11	879-CUSTOMER INSTALL EXP	EXP879	330,981	19,865	259,096
12	880-OTHER EXPENSE	EXP880	2,478,914	100,542	1,641,830
13	TOTAL OPERATION LABOR MAINTENANCE		16,055,450	666,350	10,670,167
14	885-SUPERVISION	LABDM	444,612	18,235	308,599
15	887-MAINTENANCE OF MAINS	EXP887	1,531,399	15,561	881,821
16	888-MAINT COMPRESSOR STA EQ	EXP888	0	0	0
17	889-MT OF MEAS & REG STA EQ	EXP889	309,959	2,794	157,961
18	890-MT OF REG EQ (INDUST)	EXP890	45,332	409	23,102
19	891-MT OF REG EQ (CITY GATE)	EXP891	0	0	0
20	892-MAINTENANCE OF SERVICES	EXP892	2,100,388	132,556	1,708,405
21	893-MAINT METER & HOUSE REG	EXP893	1,256,672	63,743	868,315
22	894-MAINT OF OTHER EQUIP	EXP894	0	0	0
23	TOTAL MAINTENANCE LABOR		5,688,363	233,299	3,948,204
24	TOTAL DISTRIB & TRANS LABOR		21,743,812	899,648	14,618,371
CUSTOMER ACCOUNTS LABOR					
25	901-SUPERVISION	LABCA	258,502	14,366	223,392
26	902-METER READING EXPENSE	EXP902	165,917	9,180	121,937
27	903-CUST RECORDS & COLLECT	EXP903	2,362,214	131,317	2,063,092
28	905-MISC CUSTOMER ACCTS EXP	EXP905	359,000	19,950	309,967
29	TOTAL CUSTOMER ACCTS LABOR		3,145,632	174,812	2,718,388

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
DEVELOPMENT OF LABOR ALLOC CONT-19						
TRANSMISSION & DISTRIBUTION LABOR OPERATION						
1	LABDO	515	174	69	42	165
2	850-OPER SUPER & ENGINEERING	5,912	1,994	791	488	1,895
3	861-MAINT SUPER & ENGINEERING	12	13	5	2	9
4	863-MAINTENANCE OF MAINS	204,967	69,136	27,431	16,915	65,705
5	870-SUPER & ENGINEERING	43,618	46,083	18,822	20,900	95,766
6	871-SYSTEM CONTROL & DISP	0	0	0	0	0
7	873-COMP STATION FUEL & POWER	168,014	113,970	46,435	17,992	81,960
8	874-MAINS & SERVICE EXPENSE	46,074	48,678	19,882	22,077	101,160
9	875-OPER STATION EXP - GENERAL	1,739	3,650	750	833	3,819
10	876-OPER STATION EXP - INDUSTR	789,503	146,644	55,726	26,008	57,799
11	878-METER & HOUSE REG EXP	30,910	2,849	1,166	375	874
12	879-CUSTOMER INSTALL EXP	233,061	82,780	32,925	20,160	79,490
13	880-OTHER EXPENSE	1,524,324	514,159	204,004	125,792	488,643
TOTAL OPERATION LABOR						
14	LABDM	38,845	15,345	6,220	3,038	12,934
15	885-SUPERVISION	114,725	121,139	49,201	19,457	89,154
16	887-MAINTENANCE OF MAINS	0	0	0	0	0
17	888-MAINT COMPRESSOR STA EQ	20,547	21,708	8,867	9,845	45,113
18	889-MT OF MEAS & REG STA EQ	3,005	3,175	1,297	1,440	6,598
19	890-MT OF REG EQ (INDUST)	0	0	0	0	0
20	891-MT OF REG EQ (CITY GATE)	188,197	10,498	4,696	756	2,035
21	892-MAINTENANCE OF SERVICES	131,661	24,455	9,293	4,337	9,639
22	893-MAINT METER & HOUSE REG	496,980	196,320	79,573	38,874	165,472
23	894-MAINT OF OTHER EQUIP	2,021,304	710,479	283,576	164,666	654,114
24	TOTAL DISTRIB & TRANS LABOR					
CUSTOMER ACCOUNTS LABOR						
25	LABCA	13,357	1,186	271	49	147
26	901-SUPERVISION	13,370	6,868	1,717	326	761
27	902-METER READING EXPENSE	117,198	4,655	910	146	673
28	903-CUST RECORDS & COLLECT	18,611	1,725	395	71	213
29	905-MISC CUSTOMER ACCTS EXP	162,535	14,434	3,292	593	1,794
	TOTAL CUSTOMER ACCTS LABOR					

13-Aug-18 10:07 AM

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
DEVELOP OF LABOR ALLOC CONT-20				
CUSTOMER SERVICES & INFO EXP				
1	LABSI	7,729	64	858
2	EXP908	254,247	2,114	28,236
3	EXP909	286	2	32
4	EXP910	150,970	1,255	16,766
5	TOT CUST SERV & INFO LABOR	413,231	3,436	45,893
SALES EXPENSES				
6	LABSA	12,376	449	8,208
7	EXP912	414,375	15,050	274,822
8	EXP913	265	10	175
9	EXP916	108,172	3,929	71,742
10	TOTAL SALES LABOR	535,188	19,437	354,948
ADMINISTRATIVE & GENERAL LABOR OPERATION LABOR				
11	EXP920	5,971,412	202,669	4,033,672
12	EXP921	(8)	(0)	(6)
13	EXP923	0	0	0
14	EXP924	0	0	0
15	EXP925	74,677	2,535	50,444
16	EXP926	(365)	(12)	(246)
17	EXP928	1,701	54	1,129
18	EXP929	0	0	0
19	EXP930	(15,144)	(514)	(10,229)
20	EXP931	0	0	0
21	TOTAL OPERATION EXPENSE MAINTENANCE	6,032,274	204,731	4,074,764
22	EXP932	5,144	169	3,446
23	TOTAL ADMIN & GEN LABOR	6,037,418	204,900	4,078,210
24	TOTAL GAS O & M LABOR	33,330,840	1,314,328	22,911,643
25	DISTRPLT	25,424,135	744,102	16,583,123
26	LNGPLT	2,508,356	20,841	1,888,445
27	SUM OF ALLOCATED LABOR EXP	61,263,330	2,079,271	41,383,211

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
DEVELOPMENT OF LABOR ALLOC CONT-20						
CUSTOMER SERVICES & INFO EXP						
1	LABSI	5,173	1,421	123	55	9
2	EXP908	170,160	46,754	4,040	1,823	293
3	EXP909	191	53	5	2	0
4	EXP910	101,040	27,762	2,399	1,082	174
5	TOT CUST SERV & INFO LABOR	276,563	75,991	6,566	2,963	477
SALES EXPENSES						
6	LABSA	827	981	422	209	192
7	EXP912	27,691	32,853	14,121	6,999	6,414
8	EXP913	18	21	9	4	23
9	EXP916	7,229	8,576	3,686	1,827	1,674
10	TOTAL SALES LABOR	35,764	42,431	18,238	9,040	8,284
ADMINISTRATIVE & GENERAL LABOR OPERATION LABOR						
11	EXP920	535,921	639,766	233,991	91,510	44,933
12	EXP921	(1)	(1)	(0)	(0)	(0)
13	EXP923	0	0	0	0	0
14	EXP924	0	0	0	0	0
15	EXP925	6,702	8,001	2,926	1,144	562
16	EXP926	(33)	(39)	(14)	(6)	(3)
17	EXP928	150	188	76	30	14
18	EXP929	0	0	0	0	0
19	EXP930	(1,359)	(1,622)	(593)	(232)	(114)
20	EXP931	0	0	0	0	0
21	TOTAL OPERATION EXPENSE MAINTENANCE	541,380	646,292	236,386	92,448	45,392
22	EXP932	452	560	217	86	41
23	TOTAL ADMIN & GEN LABOR	541,832	646,852	236,603	92,533	45,432
24	TOTAL GAS O & M LABOR	3,179,527	3,385,999	1,024,060	396,657	222,682
25	DISTRPLT	2,074,827	2,903,138	1,311,522	533,135	232,733
26	LNGPLT	243,895	274,498	65,038	9,053	5,568
27	TOTAL CWIP & RWIP LANG LABOR	5,498,249	6,563,634	2,400,620	936,846	460,983
27	TOTAL CWIP & RWIP LANG LABOR	5,498,249	6,563,634	2,400,620	936,846	460,983
27	TOTAL CWIP & RWIP LANG LABOR	5,498,249	6,563,634	2,400,620	936,846	460,983

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

REVENUE REQUIREMENTS-21	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
PRESENT RATES				
1 RATE BASE		760,564,796	19,397,642	487,002,571
2 NET OPER INC (PRESENT RATES)		49,867,595	(215,208)	31,432,351
3 RATE OF RETURN (PRES RATES)		6.56%	-1.11%	6.45%
4 RELATIVE RATE OF RETURN		1.000	-0.169	0.984
5 SALES REVENUE (PRE RATES)		209,286,191	4,754,494	138,374,964
6 ANNUAL BOOKED THERM SALES		396,724,601	3,775,348	191,758,293
7 SALE REV \$/THERM (PRE RATES)		\$0.5275	\$1.2594	\$0.7216
CLAIMED RATE OF RETURN				
8 CLAIMED RATE OF RETURN		7.15%	7.15%	7.15%
9 RETURN REQ FOR CLAIMED ROR		54,380,383	1,386,931	34,820,684
10 SALES REVENUE REQ CLAIMED ROR		215,109,660	6,821,954	142,747,394
11 REVENUE DEFICIENCY SALES REV		5,823,469	2,067,460	4,372,430
12 PERCENT INCREASE REQUIRED		2.78%	43.48%	3.16%
13 ANNUAL BOOKED THERM SALES		396,724,601	3,775,348	191,758,293
14 SALES REV REQUIRED \$/THERM		\$0.5422	\$1.8070	\$0.7444
15 REVENUE DEFICIENCY \$/THERM		\$0.0147	\$0.5476	\$0.0228

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
REVENUE REQUIREMENTS-21						
PRESENT RATES						
1 RATE BASE	61,141,716	93,020,593	42,388,255	17,101,781	7,414,140	33,098,097
2 NET OPER INC (PRESENT RATES)	2,787,303	7,296,761	3,786,849	1,048,151	7,124,511	3,018,936
3 RATE OF RETURN (PRES RATES)	4.56%	7.84%	8.93%	6.13%	9.61%	9.12%
4 RELATIVE RATE OF RETURN	0.695	1.196	1.363	0.935	1.466	1.391
5 SALES REVENUE (PRE RATES)	16,893,996	24,617,034	10,586,080	3,626,809	1,977,222	8,455,593
6 ANNUAL BOOKED THERM SALES	24,631,759	55,246,850	26,367,153	13,102,776	12,231,334	69,611,089
7 SALE REV \$/THERM (PRE RATES)	\$0.6859	\$0.4456	\$0.4015	\$0.2768	\$0.1617	\$0.1215
CLAIMED RATE OF RETURN						
8 CLAIMED RATE OF RETURN	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%
9 RETURN REQ FOR CLAIMED ROR	4,371,633	6,650,972	3,030,760	1,222,777	530,111	2,366,514
10 SALES REVENUE REQ CLAIMED ROR	18,938,473	23,783,684	9,610,395	3,852,153	1,741,924	7,613,683
11 REVENUE DEFICIENCY SALES REV	2,044,477	(833,350)	(975,685)	225,344	(235,298)	(841,910)
12 PERCENT INCREASE REQUIRED	12.10%	-3.39%	-9.22%	6.21%	-11.90%	-9.96%
13 ANNUAL BOOKED THERM SALES	24,631,759	55,246,850	26,367,153	13,102,776	12,231,334	69,611,089
14 SALES REV REQUIRED \$/THERM	\$0.7689	\$0.4305	\$0.3645	\$0.2940	\$0.1424	\$0.1094
15 REVENUE DEFICIENCY \$/THERM	\$0.0830	-\$0.0151	-\$0.0370	\$0.0172	-\$0.0192	-\$0.0121

13-Aug-18 10:07 AM

ALLOCATION FACTOR TABLE-22

DEMAND RELATED

STORAGE ALLOCATORS

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

DESIGN WINTER REMAIN DTH NOV-MAR DSWNLNG 18,480,817 153,549 13,913,501

ALLOC TOTAL COMPANY RESIDENTIAL NON-HEATING RATE 10, 11 & 80 RESIDENTIAL HEATING RATE 12 & 13

DISTRIBUTION ALLOCATORS

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

DISTRIBUTION RSUM ALLOCATOR 100.00000% 0.9015% 50.9620%
DISTR RSUM ALLOC LESS THAN 4" 100.00000% 1.0925% 61.9966%

DISTR
DISTR L4

13-Aug-18 10:07 AM

ALLOCATION FACTOR TABLE-22

ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
10 DESIGN WINTER REMAIN DTH NOV-MAR DSWNLNG	1,796,947	2,022,416	479,180	66,700	41,022	7,501

DEMAND RELATED

STORAGE ALLOCATORS

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

DISTRIBUTION ALLOCATORS

1 DISTRIBUTION RSUM ALLOCATOR DISTR
2 DISTR RSUM ALLOC LESS THAN 4" DISTR4

3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

RESIDENTIAL
HEATING
RATE 12 & 13

RESIDENTIAL
NON-HEATING
RATE 10, 11 & 80

TOTAL
COMPANY

ALLOC

ALLOCATION FACTOR TABLE CONT-23

COMMODITY RELATED

1	ANNUAL FIRM THERMS SALES	259,873,195	3,775,348	191,758,293
2	ANNUAL FIRM THERMS SALES & TRANS	396,724,601	3,775,348	191,758,293
3	DIRECT GAS COST ALLOCATOR	126,364,722	1,872,064	92,821,450
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				

EGAS

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALLOCATION FACTOR TABLE CONT-23

ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
1	22,887,169	31,579,424	5,970,565	2,712,395	428,805	761,197
2	24,631,759	55,246,850	26,367,153	13,102,776	12,231,334	69,611,089
3	11,128,389	15,661,718	3,083,893	1,126,287	308,071	362,850

COMMODITY RELATED

- 1 ANNUAL FIRM THERMS SALES
- 2 ANNUAL FIRM THERMS SALES & TRANS
- 3 DIRECT GAS COST ALLOCATOR

EGAS

4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALLOCATION FACTOR TABLE CONT-24

CUSTOMER RELATED

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
1 ACCT 380-SERVICES	CUST380	644,363,420	40,666,007	524,109,745
2 ACCT 381-METERS	CUST381	32,341,616	1,640,490	22,346,891
3 ACCT 382-METER INSTALLATION	CUST382	32,341,616	1,640,490	22,346,891
4 ACCT 383-HOUSE REGULATORS	CUST383	32,341,616	1,640,490	22,346,891
5 ACCT 384-HOUSE REGUL INSTALLS	CUST384	32,341,616	1,640,490	22,346,891
6 ACCT 385-IND MEAS & REG STA EQ	CUST385	100,000,000%	0.9015%	50,962,000%
7 ACCT 386-OTHER PROP CUST PREM	CUST386	100,000,000%	0.9015%	50,962,000%
8 CUSTOMER DEPOSITS	CUSTDEP	3,346,514	1,856	243,817
9 ACCT 902-METER READ EXP	CUST902	469,118	25,955	344,768
10 ACCT 903-BILLING, POSTAGE & CALLS	CUST903	7,403,974	411,591	6,466,425
11				
12 ACCT 908-CUST ASSISTANCE EXP	CUST908	429,092	3,568	47,654
13 ACCT 912-DEMO & SELLING EXP	CUST912	100,000,000%	3.6319%	66,322,100%
14				
15				
16				
17				
18 ANNUAL NO SALES CUST EXCL GAS LGHTS		3,194,479	204,033	2,725,184
19 ANNUAL NO OF TRANS CUSTOMERS		37,902	0	0
20 TOTAL ANNUAL CUST EXCL GAS LGHTS		3,232,381	204,033	2,725,184
21				
22				
23				
24 ANNUAL NO SALES CUST EXCL GAS LGHTS		3,146,914	233,047	2,649,817
25 ANNUAL NO OF TRANS CUSTOMERS		34,190	0	0
26 TOTAL ANNUAL CUST EXCL GAS LGHTS		3,181,104	233,047	2,649,817
27				
28				
29				
30 ANNUAL NO GAS LIGHT CUSTOMERS		276	276	0
31 NOT INCLUDED ABOVE				
32				
33				
34				
35				

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALLOCATION FACTOR TABLE CONT-24	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
CUSTOMER RELATED							
1 ACCT 380-SERVICES	CUST380	57,735,570	16,335,070	3,220,533	1,440,501	231,805	624,189
2 ACCT 381-METERS	CUST381	3,388,424	3,737,580	629,374	239,169	111,623	248,064
3 ACCT 382-METER INSTALLATION	CUST382	3,388,424	3,737,580	629,374	239,169	111,623	248,064
4 ACCT 383-HOUSE REGULATORS	CUST383	3,388,424	3,737,580	629,374	239,169	111,623	248,064
5 ACCT 384-HOUSE REGUL INSTALLS	CUST384	3,388,424	3,737,580	629,374	239,169	111,623	248,064
6 ACCT 385-IND MEAS & REG STA EQ	CUST385	6,629,000	13,912,600	7,003,600	2,860,600	3,176,400	14,554,400
7 ACCT 386-OTHER PROP CUST PREM	CUST386	6,629,000	13,912,600	7,003,600	2,860,600	3,176,400	14,554,400
8 CUSTOMER DEPOSITS	CUSTDEP	1,604,631	1,092,909	249,765	102,719	6,589	44,228
9 ACCT 902-METER READ EXP	CUST902	37,804	33,247	19,418	4,853	922	2,151
10 ACCT 903-BILLING, POSTAGE & CALLS	CUST903	367,337	138,611	14,591	2,851	459	2,108
11							
12 ACCT 908-CUST ASSISTANCE EXP	CUST908	287,179	78,907	6,819	3,077	495	1,394
13 ACCT 912-DEMO & SELLING EXP	CUST912	6,682,500	7,928,300	3,407,800	1,689,100	1,547,900	8,790,500
14							
15							
16							
17							
18 ANNUAL NO SALES CUST EXCL GAS LGHTS		222,923	40,181	1,404	670	48	36
19 ANNUAL NO OF TRANS CUSTOMERS		8,394	22,233	4,069	1,766	360	1,080
20 TOTAL ANNUAL CUST EXCL GAS LGHTS		231,317	62,414	5,473	2,436	408	1,116
21							
22							
23							
24 ANNUAL NO SALES CUST EXCL GAS LGHTS		222,998	38,892	1,455	606	60	39
25 ANNUAL NO OF TRANS CUSTOMERS		5,808	21,255	4,053	1,627	375	1,072
26 TOTAL ANNUAL CUST EXCL GAS LGHTS		228,806	60,147	5,508	2,233	435	1,111
27							
28							
29							
30 ANNUAL NO GAS LIGHT CUSTOMERS		0	0	0	0	0	0
31 NOT INCLUDED ABOVE							
32							
33							
34							
35							

13-Aug-18 10:07 AM

ALLOCATION FACTOR TABLE CONT-25

EXTERNALLY DEVELOPED
UNCOLLECTIBLE ACCOUNTS

ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
1 RESID NON HTG RATE 10, 11 & 80	6,821,954	6,821,954	0
2 RESID HEATING RATE 12 7 13	142,747,394	0	142,747,394
3 COMM & IND SMALL RATE 21	18,938,473	0	0
4 COMM & IND MEDIUM RATE 22	23,783,684	0	0
5 C & I LARGE LOW LOAD FAC RATE 33	9,610,395	0	0
6 C & I LARGE HIGH LOAD FAC RATE 23	3,852,153	0	0
7 C & I XLARGE LOW LOAD FAC RATE 34	1,741,924	0	0
8 C & I XLARGE HIGH LOAD FAC RATE 24	7,613,683	0	0
	215,109,660		

INTERNALLY DEVELOPED
LATE PAYMENT CHARGES

9 COMM & IND SMALL RATE 21	18,938,473	0	0
10 COMM & IND MEDIUM RATE 22	23,783,684	0	0
11 C & I LARGE LOW LOAD FAC RATE 33	9,610,395	0	0
12 C & I LARGE HIGH LOAD FAC RATE 23	3,852,153	0	0
13 C & I XLARGE LOW LOAD FAC RATE 34	1,741,924	0	0
14 C & I XLARGE HIGH LOAD FAC RATE 24	7,613,683	0	0
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			

13-Aug-18 10:07 AM

ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
EXTERNALLY DEVELOPED UNCOLLECTIBLE ACCOUNTS						
1	C904R21	0	0	0	0	0
2	C904RH	0	0	0	0	0
3	C904R21	18,938,473	0	0	0	0
4	C904R22	0	0	0	0	0
5	C904R33	0	9,610,395	0	0	0
6	C904R23	0	0	3,852,153	0	0
7	C904R34	0	0	0	1,741,924	0
8	C904R24	0	0	0	0	7,613,683
INTERNALLY DEVELOPED LATE PAYMENT CHARGES						
9	C488R21	18,938,473	0	0	0	0
10	C488R22	0	0	0	0	0
11	C488R33	0	9,610,395	0	0	0
12	C488R23	0	0	3,852,153	0	0
13	C488R34	0	0	0	1,741,924	0
14	C488R24	0	0	0	0	7,613,683

ALLOCATION FACTOR TABLE CONT-25

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

INTERNALLY DEVELOPED-26

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
1 TOTAL GAS PLANT IN SERVICE	PLANT	1,310,853,604	37,879,547	859,511,377
2 SUM OF ALLOCATED LABOR EXP	LABOR	61,263,330	2,079,271	41,383,211
3 ACCT 305-STRUCTURES & IMPROVE	PLT305	1,799,946	14,955	1,355,111
4 ACCT 311-LP GAS EQUIP	PLT311	8,403,279	69,819	6,326,508
5 ACCT 320-OTHER EQUIPMENT	PLT320	489,062	4,063	368,196
6 ACCT 375-GAS DIST STATION STR	PLT375	10,212,827	92,073	5,204,659
7 ACCT 376-MAINS	PLT376	696,026,030	7,072,636	400,790,813
8 ACCT 378-GAS MEAS & REG STA EQ	PLT378	32,114,706	289,529	16,366,291
9 ACCT 380-SERVICES	PLT380	352,943,574	22,274,396	287,075,835
10 ACCT 381-METERS	PLT381	63,693,810	3,230,792	44,010,127
11 ACCT 382-METER INSTALLATION	PLT382	49,868,002	2,529,494	34,456,992
12 ACCT 386-OTHER PROP CUST PREM	PLT386	381,896	3,443	194,622
13 ACCT 383-HOUSE REGULATORS	PLT383	937,222	47,539	647,587
14 ACCT 396-POWER OPERATED EQUIP	PLT396	0	0	0
15 ACCT 390-STRUCTURES & IMPROV	PLT390	9,155,973	310,753	6,184,834
16 ACCT 391-OFFICE FURN & EQUIP	PLT391	2,384,968	80,946	1,611,039
17 ACCT 392-TRANSPORTATION EQUIP	PLT392	625,738	21,237	422,684
18 ACCT 393-STORES EQUIPMENT	PLT393	16,876	494	11,008
19 ACCT 394-TOOLS, SHOP & GAR EQ	PLT394	5,315,407	155,569	3,467,022
20 ACCT 395-LABORATORY EQUIPMENT	PLT395	237,430	6,949	154,866
21 ACCT 397-COMMUNICATION EQUIP	PLT397	975,600	33,112	659,015
22 ACCT 398-MISCELLANEOUS EQUIP	PLT398	3,867,999	131,279	2,612,823
23 ACCT 376 MAINS & 380 SERVICES	PLT37680	1,048,969,604	29,347,032	687,866,648
24 TOTAL DISTRIBUTION PLANT	DISTRPLT	1,223,974,353	35,822,729	798,348,379
25 ACCT 381 - 384 METER & HSE REGUL	PLT3814	117,433,311	5,956,663	81,142,186
26 ACCT 871-879 DIST OPER EXP	EXP8719	15,987,219	648,427	10,588,629
27 REV CLAIMED ROR LESS GAS COSTS	REVCLAIM	215,109,660	6,821,954	142,747,394
28 TOTAL GENERAL PLANT	GENPLT	23,035,102	755,785	15,430,718
29 TOTAL WORKING CASH EXPENSE	CWCEXP	118,371,617	3,736,095	79,509,702
30 ACCT 304-LAND & LAND RIGHTS	PLT304	853,973	7,095	642,924
31 ACCT 360-LAND & LAND RIGHTS	PLT360	261,152	2,170	196,611
32 ACCT 374-LAND & LAND RIGHTS	PLT374	925,104	8,340	471,451
33 ACCT 871-880 DIST OPER EXP	EXP8710	22,875,542	927,811	15,150,891
34 TOTAL LING PLANT	LNGPLT	33,737,186	280,307	25,399,439
35 ACCT 399-OTHER TANGIBLE PROP	PLT399	169,755	5,761	114,669

36
37
38
39
40

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
INTERNALLY DEVELOPED-26						
1 TOTAL GAS PLANT IN SERVICE	107,889,575	149,189,752	66,168,256	26,635,003	11,688,422	51,891,673
2 SUM OF ALLOCATED LABOR EXP	5,498,249	6,563,634	2,400,620	938,846	460,983	1,938,516
3 ACCT 305-STRUCTURES & IMPROVE	175,014	196,974	46,670	6,496	3,995	731
4 ACCT 311-LP GAS EQUIP	817,077	919,598	217,885	30,328	18,653	3,411
5 ACCT 320-OTHER EQUIPMENT	47,553	53,520	12,681	1,765	1,086	199
6 ACCT 375-GAS DIST STATION STR	677,004	1,420,868	715,266	292,144	324,397	1,486,416
7 ACCT 376-MAINS	52,142,854	109,235,213	55,058,215	22,362,004	8,843,328	40,520,965
8 ACCT 378-GAS MEAS & REG STA EQ	2,128,870	4,467,986	2,249,187	918,660	1,020,080	4,674,103
9 ACCT 380-SERVICES	31,624,077	8,947,370	1,764,014	789,020	126,969	341,893
10 ACCT 381-METERS	6,673,187	7,360,817	1,239,493	471,021	219,832	488,540
11 ACCT 382-METER INSTALLATION	5,224,660	5,763,028	970,440	368,778	172,113	382,494
12 ACCT 386-OTHER PROP CUST PREM	25,316	53,132	26,746	10,924	12,130	55,583
13 ACCT 383-HOUSE REGULATORS	98,193	108,311	18,239	6,931	3,235	7,189
14 ACCT 396-POWER OPERATED EQUIP	0	0	0	0	0	0
15 ACCT 390-STRUCTURES & IMPROV	821,728	980,953	358,779	140,313	68,895	289,717
16 ACCT 391-OFFICE FURN & EQUIP	214,046	255,521	93,456	36,549	17,946	75,466
17 ACCT 392-TRANSPORTATION EQUIP	56,159	67,040	24,520	9,589	4,708	19,800
18 ACCT 393-STORES EQUIPMENT	1,377	1,927	871	354	154	691
19 ACCT 394-TOOLS, SHOP & GAR EQ	433,783	606,957	274,199	111,462	48,657	217,757
20 ACCT 395-LABORATORY EQUIPMENT	19,376	27,112	12,248	4,979	2,173	9,727
21 ACCT 397-COMMUNICATION EQUIP	87,558	104,524	38,229	14,951	7,341	30,870
22 ACCT 398-MISCELLANEOUS EQUIP	347,144	414,410	151,569	59,276	29,105	122,393
23 ACCT 376 MAINS & 380 SERVICES	83,766,931	118,182,583	56,822,230	23,151,025	8,970,297	40,862,859
24 TOTAL DISTRIBUTION PLANT	99,886,780	139,763,517	63,139,579	25,666,320	11,204,283	50,142,765
25 ACCT 381 - 384 METER & HSE REGUL	12,303,464	13,571,258	2,285,274	868,430	405,307	900,729
26 ACCT 871-879 DIST OPER EXP	1,503,075	1,858,207	533,871	212,341	130,015	512,654
27 REV CLAIMED ROR LESS GAS COSTS	18,938,473	23,783,684	9,610,395	3,852,153	1,741,924	7,613,683
28 TOTAL GENERAL PLANT	2,022,016	2,507,204	971,703	384,448	182,406	780,822
29 TOTAL WORKING CASH EXPENSE	10,769,321	12,814,810	4,803,821	1,771,793	954,123	4,011,951
30 ACCT 304-LAND & LAND RIGHTS	83,034	93,453	22,142	3,082	1,896	347
31 ACCT 360-LAND & LAND RIGHTS	25,393	28,579	6,771	943	580	106
32 ACCT 374-LAND & LAND RIGHTS	61,325	128,706	64,791	26,463	29,385	134,643
33 ACCT 871-880 DIST OPER EXP	2,150,696	2,658,842	763,897	303,832	186,034	733,538
34 TOTAL LING PLANT	3,280,372	3,691,970	874,755	121,762	74,886	13,694
35 ACCT 399-OTHER TANGIBLE PROP	15,235	18,187	6,652	2,601	1,277	5,371
36						
37						
38						
39						
40						

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

INTERNALLY DEVELOPED CONT-27

ALOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
1 ACCT 813-OTH GAS SUPPLY EXP EXP813	3,156	47	2,318
2 ACCT 846-OTHER EXPENSES EXP846	0	0	0
3 ACCT 847-2-MAINT STRUCT & INMPROV EXP8472	0	0	0
4 ACCT 847.3-MAINT LNG PROCESS TERM IEXP8473	0	0	0
5 ACCT 847.5-MAINT MEAS/REG EQUIP EXP8475	0	0	0
6 ACCT 847.8-MAINT OF VAPORIZING EQ EXP8478	0	0	0
7 ACCT 871-SYSTEM CONTROL & DISP EXP871	1,129,133	10,180	575,428
8 ACCT 873-COMP STA FUEL & POW EXP873	17,727	160	9,034
9 ACCT 874-MAINS & SERVICE EXP EXP874	3,583,261	100,249	2,349,740
10 ACCT 875-OPER STATION EXP - GEN EXP875	851,170	7,674	433,773
11 ACCT 878-METER & HOUSE REG EXP EXP878	9,977,694	506,107	6,894,227
12 ACCT 879-CUSTOMER INSTALL EXP EXP879	396,016	23,768	310,007
13 ACCT 880-OTHER EXPENSE EXP880	6,888,322	279,384	4,562,262
14 ACCT 887-MAINTENANCE OF MAINS EXP887	2,512,497	25,531	1,446,764
15 ACCT 889-MT OF M & R STA EQ EXP889	703,429	6,342	358,481
16 ACCT 890-MT OF REG EQ (INDUST) EXP890	526,105	4,743	268,114
17 ACCT 891-MT OF REG EQ (CITY GATE) EXP891	0	0	0
18 ACCT 892-MAINTENANCE OF SERV EXP892	4,097,618	258,602	3,332,904
19 ACCT 893-MAINT MET & HOUSE REG EXP893	1,639,972	83,186	1,133,162
20 ACCT 902-METER READING EXP EXP902	518,073	28,664	380,747
21 ACCT 903-CUST RECORDS & COLL EXP903	6,688,765	371,832	5,841,781
22 ACCT 908-CUST ASSISTANCE EXP EXP908	350,483	2,915	38,924
23 ACCT 904-UNCOLLECTIBLE ACCTS EXP904	3,396,670	107,721	2,254,040
24 ACCT 904-UNCOLL ACCTS EXP BASE EXP904B	3,396,670	107,721	2,254,040
25 ACCT 920-ADMIN & GEN SALARY EXP920	5,941,228	201,645	4,013,283
26 ACCT 923-OUTSIDE SERV EMPLOYED EXP923	1,880,943	63,839	1,270,572
27 ACCT 930-MISC GEN EXP EXP930	872,462	29,611	589,346
28 ACCT 932-MAINT OF GENERAL PLT EXP932	8,477	278	5,679
29 ACCT 863-MAINTENANCE OF MAINS EXP863	161	2	93
30 STORAGE LABOR ACCTS 846-847 LABSO	0	0	0
31 DIST LAB OPER ACCT 861 & 871 - 880 LABDO	13,828,869	573,940	9,190,421
32 DIST LABOR MAINT ACCT 886 - 894 LABDM	5,243,751	215,064	3,639,605
33 CUST ACCTS LAB ACCT 902,903 & 905 LABCA	2,887,130	160,447	2,494,996
34 SALES LABOR ACCT 912 - 916 LABSA	522,812	18,988	346,740
35 CUST SERV & INFO LABOR 908-910 LABSI	405,502	3,372	45,034
36 TOTAL STORAGE LABOR TLABSO	1,455,519	12,093	1,095,805
37 TOTAL DISTR OPER LABOR TLABDO	16,055,450	666,350	10,670,167
38 TOTAL DISTR MAINT LABOR TLABDM	5,688,363	233,299	3,948,204
39 TOTAL SALES LABOR TLABSA	535,188	19,437	354,948
40			

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
INTERNALLY DEVELOPED CONT-27						
1 ACCT 813-OTH GAS SUPPLY EXP	278	391	77	28	8	9
2 ACCT 846-OTHER EXPENSES	0	0	0	0	0	0
3 ACCT 847.2-MAINT STRUCT & INMPROV	0	0	0	0	0	0
4 ACCT 847.3-MAINT LNG PROCESS TERM	0	0	0	0	0	0
5 ACCT 847.5-MAINT MEAS/REG EQUIP	0	0	0	0	0	0
6 ACCT 847.8-MAINT OF VAPORIZING EQ	0	0	0	0	0	0
7 ACCT 871-SYSTEM CONTROL & DISP	74,850	157,092	79,080	32,300	35,865	164,339
8 ACCT 873-COMP STA FUEL & POW	1,175	2,466	1,241	507	563	2,580
9 ACCT 874-MAINS & SERVICE EXP	286,146	403,709	194,104	79,083	30,642	139,587
10 ACCT 875-OPER STATION EXP - GEN	56,424	118,420	59,613	24,348	27,036	123,883
11 ACCT 878-METER & HOUSE REG EXP	1,045,361	1,153,079	194,168	73,786	34,437	76,530
12 ACCT 879-CUSTOMER INSTALL EXP	36,983	18,959	3,409	1,395	448	1,046
13 ACCT 880-OTHER EXPENSE	647,621	800,635	230,026	91,490	56,019	220,884
14 ACCT 887-MAINTENANCE OF MAINS	188,224	394,314	198,748	80,722	31,922	146,272
15 ACCT 889-MT OF M & R STA EQ	46,630	97,865	49,265	20,122	22,343	102,380
16 ACCT 890-MT OF REG EQ (INDUST)	34,875	73,195	36,846	15,050	16,711	76,571
17 ACCT 891-MT OF REG EQ (CITY GATE)	0	0	0	0	0	0
18 ACCT 892-MAINTENANCE OF SERV	367,150	103,878	20,480	9,160	1,474	3,969
19 ACCT 893-MAINT MET & HOUSE REG	171,820	189,524	31,914	12,128	5,660	12,579
20 ACCT 902-METER READING EXP	41,749	36,717	21,444	5,360	1,018	2,375
21 ACCT 903-CUST RECORDS & COLL	331,853	125,222	13,182	2,576	415	1,905
22 ACCT 908-CUST ASSISTANCE EXP	234,568	64,452	5,569	2,513	404	1,138
23 ACCT 904-UNCOLLECTIBLE ACCTS	299,046	375,554	151,752	60,827	27,506	120,223
24 ACCT 904-UNCOLL ACCTS EXP BASE	299,046	375,554	151,752	60,827	27,506	120,223
25 ACCT 920-ADMIN & GEN SALARY	533,212	636,532	232,809	91,048	44,705	187,994
26 ACCT 923-OUTSIDE SERV EMPLOYED	168,810	201,521	73,705	28,825	14,153	59,517
27 ACCT 930-MISC GEN EXP	78,302	93,474	34,188	13,370	6,565	27,607
28 ACCT 932-MAINT OF GENERAL PLT	744	923	358	141	67	287
29 ACCT 863-MAINTENANCE OF MAINS	12	25	13	5	2	9
30 STORAGE LABOR ACCTS 846-847	0	0	0	0	0	0
31 DIST LAB OPER ACCT 861 & 871 - 880	1,312,930	1,603,787	442,855	175,712	108,347	420,877
32 DIST LABOR MAINT ACCT 886 - 894	458,135	488,244	180,975	73,353	35,835	152,538
33 CUST ACCTS LAB ACCT 902,903 & 905	149,179	64,049	13,248	3,022	544	1,647
34 SALES LABOR ACCT 912 - 916	34,937	41,450	17,816	8,831	8,092	45,958
35 CUST SERV & INFO LABOR 908-910	271,390	74,569	6,444	2,907	468	1,317
36 TOTAL STORAGE LABOR	141,525	159,282	37,739	5,253	3,231	591
37 TOTAL DISTR OPER LABOR	1,524,324	1,862,012	514,159	204,004	125,792	488,643
38 TOTAL DISTR MAINT LABOR	496,980	529,642	196,320	79,573	38,874	165,472
39 TOTAL SALES LABOR	35,764	42,431	18,238	9,040	8,284	47,046
40						

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

INTERNALLY DEVELOPED CONT-28

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
1 TOTAL CUST ACCTS LABOR	TLABCA	3,145,632	174,812	2,718,388
2 CUSTOMER SERVICE & INFO LABOR	TLABSE	413,231	3,436	45,893
3 ACCT 888-MNT COMPRESSOR STA EQ	EXP888	62,659	565	31,932
4 ACCT 894-MAINT OF OTHER EQUIP	EXP894	(11,633)	(105)	(5,928)
5 ACCT 921-OFFICE SUPPLIES & EXP	EXP921	4,660,737	158,185	3,148,315
6 ACCT 926-EMPLOY PENSION & BENF	EXP926	8,437,151	286,356	5,699,272
7 ACCT 380-384-SERV/METRS & REGUL	PLT3804	470,376,885	28,231,059	368,218,021
8 ACCT 925-INJURIES & DAMAGES	EXP925	1,358,329	46,102	917,547
9 ACCT 302-GAS FRANCHISES & CON	PLT302	213,499	6,169	139,989
10 ACCT 303-MISC INTANGIBLE PLT	PLT303	5,085	147	3,334
11 ACCT 303-MISC INTANG PLT - SOFT	PLT303SL	29,888,379	1,014,409	20,189,518
12 ACCT 307-OTHER POWER EQUIP	PLT307	46,159	384	34,751
13 ACCT 361-STRUCTURES & IMPROV	PLT361	3,385,050	28,125	2,548,475
14 ACCT 362-GAS HOLDERS & LNG EQ	PLT362	4,605,653	38,266	3,467,420
15 ACCT 363-PURIFICATION EQUIP	PLT363	13,892,912	115,430	10,459,443
16 ACCT 377-DIST COMP STATION EQ	PLT377	248,716	2,242	126,751
17 ACCT 379-DIST MEAS & REG GS EQ	PLT379	12,106,307	109,144	6,169,614
18 ACCT 384-HOUSE REGUL INSTALLS	PLT384	2,934,277	148,838	2,027,480
19 ACCT 385-IND MEAS & REG STA EQ	PLT385	796,108	7,177	405,712
20 ACCT 387-DIST OTHER EQUIP	PLT387	785,775	7,084	400,446
21 ACCT 389-LAND & LAND RIGHTS	PLT389	285,357	9,685	192,758
22 ACCT 378 & 379-GAS M & R STAT EQ	PLT3789	44,221,014	398,673	22,535,905
23 CUSTOMER ACCTS EXP 902 - 903	EXP9023	7,206,837	400,496	6,222,527
24				
25 ACCT 876-OPER STAT EXP - INDUST	EXP876	32,219	290	16,419
26 ACCT 905-MISC CUST ACCTS EXP	EXP905	419,475	23,311	362,184
27 ACCT 910-CUST SERVICE MISC EXP	EXP910	446,797	3,716	49,620
28 ACCT 912-DEMO & SELLING EXP	EXP912	475,198	17,259	315,162
29 ACCT 916-MISC SALES EXP	EXP916	156,197	5,673	103,593
30 ACCT 924-PROPERTY INSURANCE	EXP924	308,560	8,916	202,319
31 ACCT 928-REGULATORY COMM EXP	EXP928	1,910,229	60,581	1,267,634
32 ACCT 929-DUPLICATE CHRGR - CREDIT	EXP929	0	0	0
33 ACCT 931-RENTS	EXP931	8,956,830	303,994	6,050,314
34				
35				
36 ACCT 909-INFO & INST ADV EXP & EE	EXP909	851,744	7,083	94,593
37 ACCT 913-ADVERTISING EXP	EXP913	51,675	1,877	34,272
38				
39				
40				

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
INTERNALLY DEVELOPED CONT-28						
1	TOTAL CUST ACCTS LABOR	162,535	14,434	3,292	593	1,794
2	CUSTOMER SERVICE & INFO LABOR	276,563	6,566	2,963	477	1,342
3	ACCT 888-MNT COMPRESSOR STA EQ	4,154	4,388	1,792	1,990	9,120
4	ACCT 894-MAINT OF OTHER EQUIP	(771)	(815)	(333)	(369)	(1,693)
5	ACCT 921-OFFICE SUPPLIES & EXP	418,291	182,632	71,425	35,070	147,477
6	ACCT 926-EMPLOY PENSION & BENF	757,216	330,612	129,297	63,486	266,971
7	ACCT 380-384-SERV.METRS & REGUL	43,927,541	4,049,288	1,657,450	532,276	1,242,622
8	ACCT 925-INJURIES & DAMAGES	121,907	53,226	20,816	10,221	42,981
9	ACCT 302-GAS FRANCHISES & CON	17,572	10,777	4,338	1,904	8,452
10	ACCT 303-MISC INTANGIBLE PLT	419	257	103	45	201
11	ACCT 303-MISC INTANG PLT - SOFT	2,682,416	1,171,184	458,032	224,899	945,739
12	ACCT 307-OTHER POWER EQUIP	4,488	1,197	167	102	19
13	ACCT 361-STRUCTURES & IMPROV	329,139	87,769	12,217	7,514	1,374
14	ACCT 362-GAS HOLDERS & LNG EQ	447,822	119,418	16,622	10,223	1,869
15	ACCT 363-PURIFICATION EQUIP	1,350,951	360,223	50,141	30,838	5,639
16	ACCT 377-DIST COMP STATION EQ	16,487	17,419	7,115	7,900	36,199
17	ACCT 379-DIST MEAS & REG GS EQ	802,522	847,878	346,308	384,540	1,762,000
18	ACCT 384-HOUSE REGUL INSTALLS	307,424	57,102	21,699	10,127	22,506
19	ACCT 385-IND MEAS & REG STA EQ	52,774	55,756	22,773	25,287	115,869
20	ACCT 387-DIST OTHER EQUIP	52,089	55,033	22,478	24,959	114,365
21	ACCT 389-LAND & LAND RIGHTS	25,610	11,182	4,373	2,147	9,029
22	ACCT 378 & 379-GAS M & R STAT EQ	2,931,391	3,097,065	1,264,969	1,404,620	6,436,103
23	CUSTOMER ACCTS EXP 902 - 903	373,602	34,626	7,936	1,433	4,280
24						
25	ACCT 876-OPER STAT EXP - INDUST	2,136	2,256	922	1,023	4,689
26	ACCT 905-MISC CUST ACCTS EXP	21,746	2,015	462	83	249
27	ACCT 910-CUST SERVICE MISC EXP	299,028	7,100	3,204	516	1,451
28	ACCT 912-DEMO & SELLING EXP	31,755	16,194	8,026	7,355	41,772
29	ACCT 916-MISC SALES EXP	10,438	5,323	2,638	2,418	13,731
30	ACCT 924-PROPERTY INSURANCE	25,396	15,575	6,270	2,751	12,215
31	ACCT 928-REGULATORY COMM EXP	168,179	85,343	34,208	15,469	67,611
32	ACCT 929-DUPLICATE CHRNG - CREDIT	0	0	0	0	0
33	ACCT 931-RENTS	803,856	350,976	137,261	67,397	283,415
34						
35						
36	ACCT 909-INFO & INST ADV EXP & EE	570,047	13,535	6,107	983	2,767
37	ACCT 913-ADVERTISING EXP	3,453	1,761	873	800	4,542
38						
39						
40						

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
INTERNALLY DEVELOPED CONT-29				

1		209,286,191	4,754,494	138,374,964
2		148,577,330	4,300,592	116,445,197
3		26,234,359	0	0
4		-2,584,650	-35,430	-1,799,586
5		37,129,852	468,068	23,774,232
6		22,148	22,148	0
7		-92,848	-884	-44,878
8				
9				
10				
11				
12		174,740,989	4,321,856	116,400,319
REVENUE REQUIREMENT INPUTS				

1		7.150%	7.150%	7.150%
2		396,724,601	3,775,348	191,758,293
3		215,109,660	6,821,954	142,747,394
4		3,232,381	204,033	2,725,184
5				

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
INTERNALLY DEVELOPED CONT-29						
REVENUES FROM GAS SALES						
1 REVENUES FIRM SALES OF GAS	16,893,996	24,617,034	10,586,080	3,626,809	1,977,222	8,455,593
2 BASE REVENUE SALES	13,269,474	11,838,279	1,976,132	500,527	91,096	156,033
3 BASE REVENUE TRANSPORTATION	821,713	8,265,368	6,374,659	2,255,781	1,603,925	6,912,913
4 RDM ADJUSTMENT	-231,161	-518,473	0	0	0	0
5 ISR ADJUSTMENT	3,039,734	5,044,790	2,241,459	873,567	285,063	1,402,938
6 GAS LIGHTS	0	0	0	0	0	0
7 NORMALIZE ERC	-5,765	-12,930	-6,171	-3,067	-2,863	-16,292
8						
9						
10						
11						
12 DELIVERY RATE TOTAL	14,085,422	20,090,717	8,344,620	2,753,241	1,692,158	7,052,654
REVENUE REQUIREMENT INPUTS						
1 CLAIMED RATE OF RETURN	7.150%	7.150%	7.150%	7.150%	7.150%	7.150%
2 ANNUAL THERM SALES & TRANS	24,631,759	55,246,850	26,367,153	13,102,776	12,231,334	69,611,089
3 PROPOSED SALES REVENUES	18,938,473	23,783,684	9,610,395	3,852,153	1,741,924	7,613,683
4 TOTAL ANNUAL CUST EX LIGHTS	231,317	62,414	5,473	2,436	408	1,116
5						

13-Aug-18 10:07 AM

RATIO TABLE-30

CAPACITY RELATED

STORAGE ALLOCATORS

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

0.75286

0.00831

1.00000

ALLOC

DSWNLNG

RESIDENTIAL
HEATING
RATE 12 & 13

RESIDENTIAL
NON-HEATING
RATE 10, 11 & 80

TOTAL
COMPANY

DESIGN WINTER REMAIN DTH NOV-MAR

DISTRIBUTION ALLOCATORS

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

0.50962

0.00902

1.00000

DISTR

DISTR L4

DISTRIBUTION RSUM ALLOCATOR

DISTR RSUM ALLOC LESS THAN 4"

RESIDENTIAL
HEATING
RATE 12 & 13

RESIDENTIAL
NON-HEATING
RATE 10, 11 & 80

TOTAL
COMPANY

13-Aug-18 10:07 AM

ALLOC
COMM & IND SMALL RATE 21
COMM & IND MEDIUM RATE 22
C & I LARGE LOW LOAD FAC RATE 33
C & I LARGE HIGH LOAD FAC RATE 23
C & I X LARGE LOW LOAD FAC RATE 34
C & I X LARGE HIGH LOAD FAC RATE 24

RATIO TABLE-30

CAPACITY RELATED

STORAGE ALLOCATORS

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

DESIGN WINTER REMAIN DTH NOV-MAR DSWNLNG 0.09723 0.10943 0.02593 0.00361 0.00222 0.00041

DISTRIBUTION ALLOCATORS

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

DISTRIBUTION RSUM ALLOCATOR DISTR 0.06629 0.13913 0.07004 0.02861 0.03176 0.14554
DISTR RSUM ALLOC LESS THAN 4" DISTR4 0.08067 0.16882 0.08515 0.03448 0.00000 0.00000

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

RATIO TABLE CONT-31		ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
COMMODITY RELATED					
1	ANNUAL FIRM THERMS SALES		1.00000	0.01453	0.73789
2	ANNUAL FIRM THERMS SALES & TRANS		1.00000	0.00952	0.48335
3	DIRECT GAS COST ALLOCATOR	EGAS	1.00000	0.01481	0.73455
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALLOC
RATIO TABLE CONT-31

COMM & IND
SMALL
RATE 21

COMM & IND
MEDIUM
RATE 22

C & I LARGE
LOW LOAD FAC
RATE 33

C & I LARGE
HIGH LOAD FAC
RATE 23

C & I X LARGE
LOW LOAD FAC
RATE 34

C & I X LARGE
HIGH LOAD FAC
RATE 24

COMMODITY RELATED

1	ANNUAL FIRM THERMS SALES	0.08807	0.12152	0.02297	0.01044	0.00165	0.00293
2	ANNUAL FIRM THERMS SALES & TRANS	0.06209	0.13926	0.06646	0.03303	0.03083	0.17546
3	DIRECT GAS COST ALLOCATOR	0.08807	0.12394	0.02440	0.00891	0.00244	0.00287

EGAS

4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

RATIO TABLE CONT-32

CUSTOMER RELATED

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
1 ACCT 380-SERVICES	CUST380	1.00000	0.06311	0.81338
2 ACCT 381-METERS	CUST381	1.00000	0.05072	0.69096
3 ACCT 382-METER INSTALLATION	CUST382	1.00000	0.05072	0.69096
4 ACCT 383-HOUSE REGULATORS	CUST383	1.00000	0.05072	0.69096
5 ACCT 384-HOUSE REGUL INSTALLS	CUST384	1.00000	0.05072	0.69096
6 ACCT 385-IND MEAS & REG STA EQ	CUST385	1.00000	0.00902	0.50962
7 ACCT 386-OTHER PROP CUST PREM	CUST386	1.00000	0.00902	0.50962
8 CUSTOMER DEPOSITS	CUSTDEP	1.00000	0.00055	0.07286
9 ACCT 902-METER READ EXP	CUST902	1.00000	0.05533	0.73493
10 ACCT 903-BILLING, POSTAGE & CALLS	CUST903	1.00000	0.05559	0.87337
11				
12 ACCT 908-CUST ASSISTANCE EXP	CUST908	1.00000	0.00832	0.11106
13 ACCT 912-DEMO & SELLING EXP	CUST912	1.00000	0.03632	0.66322
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

	ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
RATIO TABLE CONT-32							
CUSTOMER RELATED							
1	ACCT 380-SERVICES	0.08960	0.02535	0.00500	0.00224	0.00036	0.00097
2	ACCT 381-METERS	0.10477	0.11557	0.01946	0.00740	0.00345	0.00767
3	ACCT 382-METER INSTALLATION	0.10477	0.11557	0.01946	0.00740	0.00345	0.00767
4	ACCT 383-HOUSE REGULATORS	0.10477	0.11557	0.01946	0.00740	0.00345	0.00767
5	ACCT 384-HOUSE REGUL INSTALLS	0.10477	0.11557	0.01946	0.00740	0.00345	0.00767
6	ACCT 385-IND MEAS & REG STA EQ	0.06629	0.13913	0.07004	0.02861	0.03176	0.14554
7	ACCT 386-OTHER PROP CUST PREM	0.06629	0.13913	0.07004	0.02861	0.03176	0.14554
8	CUSTOMER DEPOSITS	0.47949	0.32658	0.07463	0.03069	0.00197	0.01322
9	ACCT 902-METER READ EXP	0.08058	0.07087	0.04139	0.01035	0.00197	0.00459
10	ACCT 903-BILLING, POSTAGE & CALLS	0.04961	0.01872	0.00197	0.00039	0.00006	0.00028
11							
12	ACCT 908-CUST ASSISTANCE EXP	0.66927	0.18389	0.01589	0.00717	0.00115	0.00325
13	ACCT 912-DEMO & SELLING EXP	0.06683	0.07928	0.03408	0.01689	0.01548	0.08790
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							

13-Aug-18 10:07 AM

RATIO TABLE CONT-33

EXTERNALLY DEVELOPED
UNCOLLECTIBLE ACCOUNTS

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
1 RESID NON HTG RATE 10,11 & 80	C904R21	1.00000	1.00000	0.00000
2 RESID HEATING RATE 12 7 13	C904RH	1.00000	0.00000	1.00000
3 COMM & IND SMALL RATE 21	C904R21	1.00000	0.00000	0.00000
4 COMM & IND MEDIUM RATE 22	C904R22	1.00000	0.00000	0.00000
5 C & I LARGE LOW LOAD FAC RATE 33	C904R33	1.00000	0.00000	0.00000
6 C & I LARGE HIGH LOAD FAC RATE 23	C904R23	1.00000	0.00000	0.00000
7 C & I XLARGE LOW LOAD FAC RATE 34	C904R34	1.00000	0.00000	0.00000
8 C & I XLARGE HIGH LOAD FAC RATE 24	C904R24	1.00000	0.00000	0.00000

INTERNALLY DEVELOPED
LATE PAYMENT CHARGES

9 COMM & IND SMALL RATE 21	C488R21	1.00000	0.00000	0.00000
10 COMM & IND MEDIUM RATE 22	C488R22	1.00000	0.00000	0.00000
11 C & I LARGE LOW LOAD FAC RATE 33	C488R33	1.00000	0.00000	0.00000
12 C & I LARGE HIGH LOAD FAC RATE 23	C488R23	1.00000	0.00000	0.00000
13 C & I XLARGE LOW LOAD FAC RATE 34	C488R34	1.00000	0.00000	0.00000
14 C & I XLARGE HIGH LOAD FAC RATE 24	C488R24	1.00000	0.00000	0.00000

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

RATIO TABLE CONT-33

ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
EXTERNALLY DEVELOPED UNCOLLECTIBLE ACCOUNTS						
1	C904R21	0.00000	0.00000	0.00000	0.00000	0.00000
2	C904RH	0.00000	0.00000	0.00000	0.00000	0.00000
3	C904R21	1.00000	0.00000	0.00000	0.00000	0.00000
4	C904R22	0.00000	0.00000	0.00000	0.00000	0.00000
5	C904R33	0.00000	1.00000	0.00000	0.00000	0.00000
6	C904R23	0.00000	0.00000	1.00000	0.00000	0.00000
7	C904R34	0.00000	0.00000	0.00000	1.00000	0.00000
8	C904R24	0.00000	0.00000	0.00000	0.00000	1.00000
INTERNALLY DEVELOPED LATE PAYMENT CHARGES						
9	C488R21	1.00000	0.00000	0.00000	0.00000	0.00000
10	C488R22	0.00000	0.00000	0.00000	0.00000	0.00000
11	C488R33	0.00000	1.00000	0.00000	0.00000	0.00000
12	C488R23	0.00000	0.00000	1.00000	0.00000	0.00000
13	C488R34	0.00000	0.00000	0.00000	1.00000	0.00000
14	C488R24	0.00000	0.00000	0.00000	0.00000	1.00000

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

INTERNALLY DEVELOPED-34

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
1	PLANT	1.00000	0.02890	0.65569
2	SUM OF ALLOCATED LABOR EXP	1.00000	0.03394	0.67550
3	ACCT 305-STRUCTURES & IMPROVE	1.00000	0.00831	0.75286
4	ACCT 311-LP GAS EQUIP	1.00000	0.00831	0.75286
5	ACCT 320-OTHER EQUIPMENT	1.00000	0.00831	0.75286
6	ACCT 375-GAS DIST STATION STR	1.00000	0.00902	0.50962
7	ACCT 376-MAINS	1.00000	0.01016	0.57583
8	ACCT 378-GAS MEAS & REG STA EQ	1.00000	0.00902	0.50962
9	ACCT 380-SERVICES	1.00000	0.06311	0.81338
10	ACCT 381-METERS	1.00000	0.05072	0.69096
11	ACCT 382-METER INSTALLATION	1.00000	0.05072	0.69096
12	ACCT 386-OTHER PROP CUST PREM	1.00000	0.00902	0.50962
13	ACCT 383-HOUSE REGULATORS	1.00000	0.05072	0.69096
14	ACCT 396-POWER OPERATED EQUIP	1.00000	0.00000	0.00000
15	ACCT 390-STRUCTURES & IMPROV	1.00000	0.03394	0.67550
16	ACCT 391-OFFICE FURN & EQUIP	1.00000	0.03394	0.67550
17	ACCT 392-TRANSPORTATION EQUIP	1.00000	0.03394	0.67550
18	ACCT 393-STORES EQUIPMENT	1.00000	0.02927	0.65226
19	ACCT 394-TOOLS, SHOP & GAR EQ	1.00000	0.02927	0.65226
20	ACCT 395-LABORATORY EQUIPMENT	1.00000	0.02927	0.65226
21	ACCT 397-COMMUNICATION EQUIP	1.00000	0.03394	0.67550
22	ACCT 398-MISCELLANEOUS EQUIP	1.00000	0.03394	0.67550
23	ACCT 376 MAINS & 380 SERVICES	1.00000	0.02798	0.65575
24	TOTAL DISTRIBUTION PLANT	1.00000	0.02927	0.65226
25	ACCT 381 - 384 METER & HSE REGUL	1.00000	0.05072	0.69096
26	ACCT 871-879 DIST OPER EXP	1.00000	0.04056	0.66232
27	REV CLAIMED ROR LESS GAS COSTS	1.00000	0.03171	0.66360
28	TOTAL GENERAL PLANT	1.00000	0.03281	0.66988
29	TOTAL WORKING CASH EXPENSE	1.00000	0.03156	0.67170
30	ACCT 304-LAND & LAND RIGHTS	1.00000	0.00831	0.75286
31	ACCT 360-LAND & LAND RIGHTS	1.00000	0.00831	0.75286
32	ACCT 374-LAND & LAND RIGHTS	1.00000	0.00902	0.50962
33	ACCT 871-880 DIST OPER EXP	1.00000	0.04056	0.66232
34	TOTAL LNG PLANT	1.00000	0.00831	0.75286
35	ACCT 399-OTHER TANGIBLE PROP	1.00000	0.03394	0.67550

36
37
38
39
40

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALLOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
INTERNALLY DEVELOPED-34						
1	PLANT	0.08230	0.05048	0.02032	0.00892	0.03959
2	TOTAL GAS PLANT IN SERVICE	0.08975	0.03919	0.01532	0.00752	0.03164
3	SUM OF ALLOCATED LABOR EXP	0.09723	0.02593	0.00361	0.00222	0.00041
4	ACCT 305-STRUCTURES & IMPROVE	0.09723	0.02593	0.00361	0.00222	0.00041
5	ACCT 311-LP GAS EQUIP	0.09723	0.02593	0.00361	0.00222	0.00041
6	ACCT 320-OTHER EQUIPMENT	0.06629	0.07004	0.02861	0.03176	0.14554
7	ACCT 375-GAS DIST STATION STR	0.07492	0.07910	0.03213	0.01271	0.05822
8	ACCT 376-MAINS	0.0629	0.07004	0.02861	0.03176	0.14554
9	ACCT 378-GAS MEAS & REG STA EQ	0.08960	0.00500	0.00224	0.00036	0.00097
10	ACCT 380-SERVICES	0.10477	0.01946	0.00740	0.00345	0.00767
11	ACCT 381-METERS	0.10477	0.01946	0.00740	0.00345	0.00767
12	ACCT 382-METER INSTALLATION	0.06629	0.07004	0.02861	0.03176	0.14554
13	ACCT 386-OTHER PROP CUST PREM	0.10477	0.07004	0.02861	0.03176	0.14554
14	ACCT 383-HOUSE REGULATORS	0.10477	0.07004	0.02861	0.03176	0.14554
15	ACCT 396-POWER OPERATED EQUIP	0.00000	0.00000	0.00000	0.00000	0.00000
16	ACCT 390-STRUCTURES & IMPROV	0.08975	0.03919	0.01532	0.00752	0.03164
17	ACCT 391-OFFICE FURN & EQUIP	0.08975	0.03919	0.01532	0.00752	0.03164
18	ACCT 392-TRANSPORTATION EQUIP	0.08161	0.03919	0.01532	0.00752	0.03164
19	ACCT 393-STORES EQUIPMENT	0.08161	0.03919	0.01532	0.00752	0.03164
20	ACCT 394-TOOLS, SHOP & GAR EQ	0.08161	0.03919	0.01532	0.00752	0.03164
21	ACCT 395-LABORATORY EQUIPMENT	0.08975	0.05159	0.02097	0.00915	0.04097
22	ACCT 397-COMMUNICATION EQUIP	0.08975	0.05159	0.02097	0.00915	0.04097
23	ACCT 398-MISCELLANEOUS EQUIP	0.08975	0.05159	0.02097	0.00915	0.04097
24	ACCT 376 MAINS & 380 SERVICES	0.07986	0.03919	0.01532	0.00752	0.03164
25	TOTAL DISTRIBUTION PLANT	0.08161	0.03919	0.01532	0.00752	0.03164
26	ACCT 381 - 384 METER & HSE REGUL	0.10477	0.05417	0.02207	0.00855	0.03896
27	ACCT 871-879 DIST OPER EXP	0.09402	0.05159	0.02097	0.00915	0.04097
28	REV CLAIMED ROR LESS GAS COSTS	0.08804	0.01946	0.00740	0.00345	0.00767
29	TOTAL GENERAL PLANT	0.08778	0.03339	0.01328	0.00810	0.03539
30	TOTAL WORKING CASH EXPENSE	0.09098	0.04218	0.01669	0.00792	0.03390
31	ACCT 304-LAND & LAND RIGHTS	0.09723	0.04058	0.01497	0.00806	0.03389
32	ACCT 360-LAND & LAND RIGHTS	0.09723	0.02593	0.00361	0.00222	0.00041
33	ACCT 374-LAND & LAND RIGHTS	0.06629	0.02593	0.00361	0.00222	0.00041
34	ACCT 871-880 DIST OPER EXP	0.09402	0.07004	0.02861	0.03176	0.14554
35	TOTAL LNG PLANT	0.09723	0.03339	0.01328	0.00813	0.03207
36	ACCT 399-OTHER TANGIBLE PROP	0.08975	0.02593	0.00361	0.00222	0.00041
37			0.03919	0.01532	0.00752	0.03164

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
INTERNALLY DEVELOPED CONT-35			
1 ACCT 813-OTH GAS SUPPLY EXP	1.00000	0.01481	0.73455
2 ACCT 846-OTHER EXPENSES	0.00000	0.00000	0.00000
3 ACCT 847.2-MAINT STRUCT & IMPROV	0.00000	0.00000	0.00000
4 ACCT 847.3-MAINT LNG PROCESS TERM	0.00000	0.00000	0.00000
5 ACCT 847.5-MAINT MEAS/REG EQUIP	0.00000	0.00000	0.00000
6 ACCT 847.8-MAINT OF VAPORIZING EQ	0.00000	0.00000	0.00000
7 ACCT 871-SYSTEM CONTROL & DISP	1.00000	0.00902	0.50962
8 ACCT 873-COMP STA FUEL & POW	1.00000	0.00902	0.50962
9 ACCT 874-MAINS & SERVICE EXP	1.00000	0.02798	0.65575
10 ACCT 875-OPER STATION EXP - GEN	1.00000	0.00902	0.50962
11 ACCT 878-METER & HOUSE REG EXP	1.00000	0.05072	0.69096
12 ACCT 879-CUSTOMER INSTALL EXP	1.00000	0.06002	0.78281
13 ACCT 880-OTHER EXPENSE	1.00000	0.04056	0.66232
14 ACCT 887-MAINTENANCE OF MAINS	1.00000	0.01016	0.57583
15 ACCT 889-MT OF M & R STA EQ	1.00000	0.00902	0.50962
16 ACCT 890-MT OF REG EQ (INDUST)	1.00000	0.00902	0.50962
17 ACCT 891-MT OF REG EQ (CITY GATE)	0.00000	0.06311	0.00000
18 ACCT 892-MAINTENANCE OF SERV	1.00000	0.05072	0.69096
19 ACCT 893-MAINT MET & HOUSE REG	1.00000	0.05533	0.73493
20 ACCT 902-METER READING EXP	1.00000	0.00832	0.87337
21 ACCT 903-CUST RECORDS & COLL	1.00000	0.05559	0.11106
22 ACCT 908-CUST ASSISTANCE EXP	1.00000	0.03171	0.66360
23 ACCT 904-UNCOLLECTIBLE ACCTS	1.00000	0.03171	0.66360
24 ACCT 904-UNCOLL ACCTS EXP BASE	1.00000	0.03171	0.66360
25 ACCT 920-ADMIN & GEN SALARY	1.00000	0.03394	0.67550
26 ACCT 923-OUTSIDE SERV EMPLOYED	1.00000	0.03394	0.67550
27 ACCT 930-MISC GEN EXP	1.00000	0.03394	0.67550
28 ACCT 932-MAINT OF GENERAL PLT	1.00000	0.03281	0.66988
29 ACCT 863-MAINTENANCE OF MAINS	1.00000	0.01016	0.57583
30 STORAGE LABOR ACCTS 846-847	0.00000	0.00000	0.00000
31 DIST LAB OPER ACCT 861 & 871 - 880	1.00000	0.04150	0.66458
32 DIST LABOR MAINT ACCT 886 - 894	1.00000	0.04101	0.69408
33 CUST ACCTS LAB ACCT 902,903 & 905	1.00000	0.05557	0.86418
34 SALES LABOR ACCT 912 - 916	1.00000	0.03632	0.66322
35 CUST SERV & INFO LABOR 908-910	1.00000	0.00832	0.11106
36 TOTAL STORAGE LABOR	1.00000	0.00831	0.75286
37 TOTAL DISTR OPER LABOR	1.00000	0.04150	0.66458
38 TOTAL DISTR MAINT LABOR	1.00000	0.04101	0.69408
39 TOTAL SALES LABOR	1.00000	0.03632	0.66322
40			

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
INTERNALLY DEVELOPED CONT-35						
EXP813	0.08807	0.12394	0.02440	0.00891	0.00244	0.00287
EXP846	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
EXP847	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
EXP847.2-MAINT STRUCT & IMPROV	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
EXP847.3-MAINT LNG PROCESS TERM	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
EXP847.5-MAINT MEAS/REG EQUIP	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
EXP847.8-MAINT OF VAPORIZING EQ	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
EXP847.8-MAINT OF VAPORIZING EQ	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
EXP871	0.06629	0.13913	0.07004	0.02861	0.03176	0.14554
EXP873	0.06629	0.13913	0.07004	0.02861	0.03176	0.14554
EXP874	0.07986	0.11267	0.05417	0.02207	0.00855	0.03896
EXP875	0.06629	0.13913	0.07004	0.02861	0.03176	0.14554
EXP878	0.10477	0.11557	0.01946	0.00740	0.00345	0.00767
EXP879	0.09339	0.04787	0.00861	0.00352	0.00113	0.00264
EXP880	0.09402	0.11623	0.03339	0.01328	0.00813	0.03207
EXP887	0.07492	0.15694	0.07910	0.03213	0.01271	0.05822
EXP889	0.06629	0.13913	0.07004	0.02861	0.03176	0.14554
EXP890	0.06629	0.13913	0.07004	0.02861	0.03176	0.14554
EXP891	0.08960	0.00000	0.00000	0.00000	0.00000	0.00000
EXP892	0.10477	0.11557	0.01946	0.00740	0.00345	0.00767
EXP893	0.08058	0.07087	0.04139	0.01035	0.00197	0.00459
EXP902	0.4961	0.01872	0.00197	0.00039	0.00006	0.00028
EXP903	0.66927	0.18389	0.01589	0.00717	0.00115	0.00325
EXP908	0.08804	0.11057	0.04468	0.01791	0.00810	0.03539
EXP904	0.08804	0.11057	0.04468	0.01791	0.00810	0.03539
EXP904B	0.08975	0.10714	0.03919	0.01532	0.00752	0.03164
EXP920	0.08975	0.10714	0.03919	0.01532	0.00752	0.03164
EXP923	0.08975	0.10714	0.03919	0.01532	0.00752	0.03164
EXP930	0.08975	0.10714	0.03919	0.01532	0.00752	0.03164
EXP932	0.07492	0.10884	0.04218	0.01669	0.00792	0.03390
EXP863	0.07492	0.15694	0.07910	0.03213	0.01271	0.05822
LABSO	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
LABDO	0.09494	0.11597	0.03202	0.01271	0.00783	0.03043
LABDM	0.08737	0.09311	0.03451	0.01399	0.00683	0.02909
LABCA	0.05167	0.02218	0.00459	0.00105	0.00019	0.00057
LABSA	0.06683	0.07928	0.03408	0.01689	0.01548	0.08790
LABSI	0.66927	0.18389	0.01589	0.00717	0.00115	0.00325
LABSO	0.09723	0.10943	0.02593	0.00361	0.00222	0.00041
LABDO	0.09494	0.11597	0.03202	0.01271	0.00783	0.03043
LABDM	0.08737	0.09311	0.03451	0.01399	0.00683	0.02909
LABSA	0.06683	0.07928	0.03408	0.01689	0.01548	0.08790

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

INTERNALLY DEVELOPED CONT-36

	ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
1	TOTAL CUST ACCTS LABOR	1.00000	0.05557	0.86418
2	CUSTOMER SERVICE & INFO LABOR	1.00000	0.00832	0.11106
3	ACCT 888-MNT COMPRESSOR STA EQ	1.00000	0.00902	0.50962
4	ACCT 894-MAINT OF OTHER EQUIP	1.00000	0.00902	0.50962
5	ACCT 921-OFFICE SUPPLIES & EXP	1.00000	0.03394	0.67550
6	ACCT 926-EMPLOY PENSION & BENF	1.00000	0.03394	0.67550
7	ACCT 380-384-SERV/METRS & REGUL	1.00000	0.06002	0.78281
8	ACCT 925-INJURIES & DAMAGES	1.00000	0.03394	0.67550
9	ACCT 302-GAS FRANCHISES & CON	1.00000	0.02890	0.65569
10	ACCT 303-MISC INTANGIBLE PLT	1.00000	0.02890	0.65569
11	ACCT 303-MISC INTANG PLT - SOFT	1.00000	0.03394	0.67550
12	ACCT 307-OTHER POWER EQUIP	1.00000	0.00831	0.75286
13	ACCT 361-STRUCTURES & IMPROV	1.00000	0.00831	0.75286
14	ACCT 362-GAS HOLDERS & LNG EQ	1.00000	0.00831	0.75286
15	ACCT 363-PURIFICATION EQUIP	1.00000	0.00831	0.75286
16	ACCT 377-DIST COMP STATION EQ	1.00000	0.00902	0.50962
17	ACCT 379-DIST MEAS & REG GS EQ	1.00000	0.00902	0.50962
18	ACCT 384-HOUSE REGUL INSTALLS	1.00000	0.05072	0.69096
19	ACCT 385-IND MEAS & REG STA EQ	1.00000	0.00902	0.50962
20	ACCT 387-DIST OTHER EQUIP	1.00000	0.00902	0.50962
21	ACCT 389-LAND & LAND RIGHTS	1.00000	0.03394	0.67550
22	ACCT 378 & 379-GAS M & R STAT EQ	1.00000	0.00902	0.50962
23	CUSTOMER ACCTS EXP 902 - 903	1.00000	0.05557	0.86342
24				
25	ACCT 876-OPER STAT EXP - INDUST	1.00000	0.00902	0.50962
26	ACCT 905-MISC CUST ACCTS EXP	1.00000	0.05557	0.86342
27	ACCT 910-CUST SERVICE MISC EXP	1.00000	0.00832	0.11106
28	ACCT 912-DEMO & SELLING EXP	1.00000	0.03632	0.66322
29	ACCT 916-MISC SALES EXP	1.00000	0.03632	0.66322
30	ACCT 924-PROPERTY INSURANCE	1.00000	0.02890	0.65569
31	ACCT 928-REGULATORY COMM EXP	1.00000	0.03171	0.66360
32	ACCT 929-DUPLICATE CHRGR - CREDIT	0.00000	0.00000	0.00000
33	ACCT 931-RENTS	1.00000	0.03394	0.67550
34				
35				
36	ACCT 909-INFO & INST ADV EXP & EE	1.00000	0.00832	0.11106
37	ACCT 913-ADVERTISING EXP	1.00000	0.03632	0.66322
38				
39				
40				

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALOC	COMM & IND SMALL RATE 21	COMM & IND MEDIUM RATE 22	C & I LARGE LOW LOAD FAC RATE 33	C & I LARGE HIGH LOAD FAC RATE 23	C & I X LARGE LOW LOAD FAC RATE 34	C & I X LARGE HIGH LOAD FAC RATE 24
INTERNALLY DEVELOPED CONT-36						
1	TOTAL CUST ACCTS LABOR	0.05167	0.00459	0.00105	0.00019	0.00057
2	CUSTOMER SERVICE & INFO LABOR	0.66927	0.01589	0.00717	0.00115	0.00325
3	ACCT 888-MNT COMPRESSOR STA EQ	0.6629	0.07004	0.02861	0.03176	0.14554
4	ACCT 894-MAINT OF OTHER EQUIP	0.6629	0.07004	0.02861	0.03176	0.14554
5	ACCT 921-OFFICE SUPPLIES & EXP	0.08975	0.03919	0.01532	0.00752	0.03164
6	ACCT 926-EMPLOY PENSION & BENF	0.08975	0.03919	0.01532	0.00752	0.03164
7	ACCT 380-384-SERV.METRS & REGUL	0.09339	0.00861	0.00352	0.00113	0.00264
8	ACCT 925-INJURIES & DAMAGES	0.08975	0.03919	0.01532	0.00752	0.03164
9	ACCT 302-GAS FRANCHISES & CON	0.08230	0.05048	0.02032	0.00892	0.03959
10	ACCT 303-MISC INTANGIBLE PLT	0.08230	0.05048	0.02032	0.00892	0.03959
11	ACCT 303-MISC INTANG PLT - SOFT	0.08975	0.03919	0.01532	0.00752	0.03164
12	ACCT 307-OTHER POWER EQUIP	0.09723	0.10943	0.00361	0.00222	0.00041
13	ACCT 361-STRUCTURES & IMPROV	0.09723	0.10943	0.00361	0.00222	0.00041
14	ACCT 362-GAS HOLDERS & LNG EQ	0.09723	0.10943	0.00361	0.00222	0.00041
15	ACCT 363-PURIFICATION EQUIP	0.09723	0.10943	0.00361	0.00222	0.00041
16	ACCT 377-DIST COMP STATION EQ	0.6629	0.07004	0.02861	0.03176	0.14554
17	ACCT 379-DIST MEAS & REG GS EQ	0.10477	0.11557	0.00740	0.00345	0.00767
18	ACCT 384-HOUSE REGUL INSTALLS	0.6629	0.13913	0.02861	0.03176	0.14554
19	ACCT 385-IND MEAS & REG STA EQ	0.6629	0.13913	0.02861	0.03176	0.14554
20	ACCT 387-DIST OTHER EQUIP	0.08975	0.10714	0.01532	0.00752	0.03164
21	ACCT 389-LAND & LAND RIGHTS	0.08975	0.10714	0.01532	0.00752	0.03164
22	ACCT 378 & 379-GAS M & R STAT EQ	0.06629	0.13913	0.02861	0.03176	0.14554
23	CUSTOMER ACCTS EXP 902 - 903	0.05184	0.02247	0.00110	0.00020	0.00059
24						
25	ACCT 876-OPER STAT EXP - INDUST	0.6629	0.13913	0.02861	0.03176	0.14554
26	ACCT 905-MISC CUST ACCTS EXP	0.05184	0.02247	0.00110	0.00020	0.00059
27	ACCT 910-CUST SERVICE MISC EXP	0.6629	0.13913	0.02861	0.03176	0.14554
28	ACCT 912-DEMO & SELLING EXP	0.6683	0.07928	0.01689	0.01548	0.08790
29	ACCT 916-MISC SALES EXP	0.6683	0.07928	0.01689	0.01548	0.08790
30	ACCT 924-PROPERTY INSURANCE	0.08230	0.11381	0.02032	0.00892	0.03959
31	ACCT 928-REGULATORY COMM EXP	0.08804	0.11057	0.01791	0.00810	0.03539
32	ACCT 929-DUPLICATE CHRNG - CREDIT	0.00000	0.00000	0.00000	0.00000	0.00000
33	ACCT 931-RENTS	0.08975	0.10714	0.01532	0.00752	0.03164
34						
35						
36	ACCT 909-INFO & INST ADV EXP & EE	0.66927	0.18389	0.00717	0.00115	0.00325
37	ACCT 913-ADVERTISING EXP	0.66683	0.07928	0.01689	0.01548	0.08790
38						
39						
40						

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

13-Aug-18 10:07 AM

ALLOC	TOTAL COMPANY	RESIDENTIAL NON-HEATING RATE 10, 11 & 80	RESIDENTIAL HEATING RATE 12 & 13
	1.00000	0.02272	0.66118

INTERNALLY DEVELOPED CONT-37

REVENUES FROM GAS SALES
REVENUES FIRM SALES OF GAS

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

NATIONAL GRID - RHODE ISLAND
GAS COST OF SERVICE STUDY
12 MONTHS ENDED AUGUST 31, 2019

10:07 AM

13-Aug-18

COMM & IND SMALL RATE 21
COMM & IND MEDIUM RATE 22
C & I LARGE LOW LOAD FAC RATE 33
C & I LARGE HIGH LOAD FAC RATE 23
C & I X LARGE LOW LOAD FAC RATE 34
C & I X LARGE HIGH LOAD FAC RATE 24

ALLOC

INTERNALLY DEVELOPED CONT-37

1 REVENUES FROM GAS SALES 0.08072 0.11762 0.05058 0.01733 0.00945 0.04040

2 REVENUES FIRM SALES OF GAS

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18