

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
Step Adjustment- 2016 Capital Investments**

Line	Description	Substation	OH Conductors	UG Conductors	Transformers	Meters	Structures	Fleet	Other	IT	Total
	<u>FERC Account</u>	362	364	366	368	370	390	392	394 et al	303	
1	Deferred Tax Calculation										
2	Capital Spending	3,656,730	11,212,868	202,116	224,994	158,990	1,520,572	516,362	83,135	111,814	17,687,581
3											
4	Tax method	MACRS20	MACRS20	MACRS20	MACRS20	MACRS20	MACRS20	MACRS5	MACRS20	MACRS5	
5	Tax Depr. Rate, 20-year MACRS	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	20.00%	3.75%	20.00%	
6											
7	Annual Tax Depreciation- Year 1	137,127	420,483	7,579	8,437	5,962	57,021	103,272	3,118	22,363	765,363
8	Bonus Year 1	1,759,801	5,396,193	97,268	108,279	76,514	731,775	206,545	40,009		8,416,383
9	Book Depreciation Rate- Year 1	2.80%	3.25%	2.00%	3.51%	5.23%	1.68%	4.33%	4.17%	20.00%	
10	Annual Book Depreciation	102,388	364,418	4,042	7,897	8,315	25,546	22,358	3,467	22,363	560,795
11	Tax over (under) Book- Fed	1,794,540	5,452,257	100,805	108,819	74,161	763,251	287,459	39,660	(0)	8,620,951
12	Tax over (under) Book- State	34,739	56,064	3,537	540	(2,353)	31,476	80,914	(349)	(0)	204,568
13	Deferred Tax Balance	612,092	1,856,913	34,472	37,029	25,083	261,271	102,275	13,465	(0)	2,942,600
14											2,942,600
15	<u>Rate Base Calculation</u>										
16	Plant in Service	3,656,730	11,212,868	202,116	224,994	158,990	1,520,572	516,362	83,135	111,814	17,687,581
17	Accumulated Depreciation	(102,388)	(364,418)	(4,042)	(7,897)	(8,315)	(25,546)	(22,358)	(3,467)	(22,363)	(560,795)
18	Deferred Tax Balance	(612,092)	(1,856,913)	(34,472)	(37,029)	(25,083)	(261,271)	(102,275)	(13,465)	0	(2,942,600)
19	Rate Base	2,942,249	8,991,537	163,601	180,068	125,592	1,233,755	391,729	66,204	89,451	14,184,186
20											
21	<u>Revenue Requirement Calculation</u>										
22	Return on Rate Base @ 10.72%	315,490	964,140	17,543	19,308	13,467	132,292	42,004	7,099	9,592	1,520,934
23	Depreciation Expense	102,388	364,418	4,042	7,897	8,315	25,546	22,358	3,467	22,363	560,795
24	Property Tax, Insurance @ 2.22%	81,041	248,501	4,479	4,986	3,524	33,699	11,444	1,842	2,478	391,994
25	Annual Revenue Requirement	498,919	1,577,059	26,064	32,192	25,306	191,537	75,806	12,408	34,432	2,473,723
26		498,919	1,577,059	26,064	32,192	25,306	191,537	75,806	12,408	34,432	2,473,723
27											
28	<u>Rate of Return Calculation</u>	Portion	After-Tax Cost	WACC				Pre-Tax WACC			
29	Equity	50.0%	9.40%	4.70%				7.78%			
30	Debt	50.0%	5.88%	2.94%				2.94%			
31		100.0%		7.64%				10.72%			
32											
33	Property Taxes and Insurance as % of Plant Cost										2.22%

Project #	Project_Description	Discipline	FERC	Blanket/ Specific /Program	Budget Class	Priority	Final 2016 Spend
8830-C13968	PS&I Activity - New Hampshire	E - Overhead	364	Blanket	E - Reliability	5. Discretionary	\$ -
8830-C14646	IE-NN UG Structures and Equipment	E - Overhead	364	Program	E - Asset Replacement	2. Mandated	\$ -
8830-C18603	Bare Conductor Replacement Program	E - Overhead	REP	Program	E - Reliability	4. Regulatory Programs	\$ 621,964
8830-C18620	Charlestown 32 Dline	E - Overhead/Underground	364	Specific	E - Asset Replacement	5. Discretionary	\$ -
8830-C18630	Charlestown DSub	E - Substation	362	Specific	E - Asset Replacement	5. Discretionary	\$ -
8830-C18710	RTU Installations - LU/NG Substations	E - Substation	362	Specific	E - Asset Replacement	5. Discretionary	\$ 5,683
8830-C18720	Refreshing Existing Buildings GSE(Capital	E - Non-Delivery	390	Specific	Facilities	5. Discretionary	\$ (18,065)
8830-C18740	Customer Walk In Centers (Salem & Lebanon)	E - Non-Delivery	390	Specific	Facilities	5. Discretionary	\$ 5,197
8830-C18750	Security Conversion GSE	E - Non-Delivery	390	Specific	Facilities	2. Mandated	\$ 22,611
8830-C18780	Upfit Londonderry - GSE Allocation	E - Non-Delivery	390	Specific	Facilities	5. Discretionary	\$ 490
8830-C20473	IE - NN Recloser Installations	E - Overhead	REP	Program	E - Reliability	4. Regulatory Programs	\$ 177,857
8830-C21093	IE-NN Dist Transformer upgrades	E - Overhead/Underground	364	Program	E - Load Related	5. Discretionary	\$ 2,160
8830-C21595	01663 GS Storm Program Proj	E - Overhead	364	Program	E - Damage/Failure	2. Mandated	\$ 179,791
8830-C22214	NN ERR/Pockets of Poor Perf	E - Overhead	364	Program	E - Reliability	5. Discretionary	\$ 107,612
8830-C26061	NH ARP Relay & related	E - Substation	362	Program	E - Asset Replacement	5. Discretionary	\$ -
8830-C26263	NN D-Line Work Found by Insp.	E - Overhead	364	Program	E - Asset Replacement	2. Mandated	\$ 40,161
8830-C31402	IE-NN URD Cable Replacement	E - Underground	366	Program	E - Reliability	5. Discretionary	\$ 7,079
8830-C32279	01757 NN ARP Breakers & Reclosers	E - Overhead	364	Program	E - Reliability	4. Regulatory Programs	\$ 709
8830-C33766	NEN-NH Electric Fence FY10	E - Overhead/Underground	364	Program	E - Reliability	5. Discretionary	\$ 44,730
8830-C36423	Mt Support Sub- New LP Fdr Pos	E - Substation	362	Specific	E - Load Related	4. Regulatory Programs	\$ 3,059,868
8830-C36424	Mt Support-New 16L3 Feeder	E - Overhead/Underground	364	Specific	E - Load Related	4. Regulatory Programs	\$ 1,647,572
8830-C36425	Mt Support-New 16L5 Feeder	E - Overhead/Underground	364	Specific	E - Load Related	4. Regulatory Programs	\$ 443,824
8830-C36427	Feeder Getaway Cable Replacement	E - Underground	366	Program	E - Reliability	5. Discretionary	\$ 195,036
8830-C36430	Pelham Sub-Add 2nd Xfmr and Fdr Pos	E - Substation	362	Specific	E - Load Related	5. Discretionary	\$ 447,126
8830-C36431	Pelham-New 14L4 Fdr	E - Overhead/Underground	364	Specific	E - Load Related	5. Discretionary	\$ 143,195
8830-C36433	Distribution Feeder Power Factor Correction	E - Overhead	364	Program	E - Reliability	2. Mandated	\$ 80,556
8830-C36435	Lebanon Area Low Voltage Mitigation	E - Overhead	364	Program	E - Load Related	2. Mandated	\$ 57,381
8830-C42850	Relocate Distribution Dulak St Lebanon	E - Overhead	364	Specific	E - Load Related	2. Mandated	\$ (848)
8830-C42851	Enhanced Bare Conductor Replacement	E - Overhead	364	Program	E - Reliability	5. Discretionary	\$ 972,680
8830-C42852	Pelham-New 14L5 Fdr	E - Overhead/Underground	364	Specific	E - Load Related	5. Discretionary	\$ -
8830-C42901	Underperforming Feeder Program	E - Overhead/Underground	364	Program	E - Reliability	5. Discretionary	\$ 209,597

Project #	Project_Description	Discipline	FERC	Blanket/ Specific /Program	Budget Class	Priority	Final 2016 Spend
8830-C42910	Cogsdale Modification - Cyrstal Report Bill Template Elec	E - Non-Delivery	303	Specific	IT	5. Discretionary	\$ 19,729
8830-C42911	Install CSC Cubicles and Furniture - GSE - Londonderry	E - Non-Delivery	391	Specific	Facilities	5. Discretionary	\$ (342)
8830-C42913	Golden Rock Damage Failure	E - Substation	362	Specific	E - Load Related	5. Discretionary	\$ 52,366
8830-C42915	Install CNG Dispenser in Salem Lowell Rd. Facility	E - Non-Delivery	393	Specific	Facilities	5. Discretionary	\$ 650
8830-C42917	Install AC Unit - 15 Buttrick Road	E - Non-Delivery	390	Specific	Facilities	5. Discretionary	\$ 75,902
8830-C42919	Install Server Room AC Units Londonderry	E - Non-Delivery	390	Specific	Facilities	5. Discretionary	\$ 32,073
8830-C42921	INSTALL SPLICES - 6L2 & 6L4 DISTRIBUTION CIRCUITS	E - Substation	362	Specific	E - Load Related	4. Regulatory Programs	\$ 82,207
8830-C42926	Slayton Hill Rd, Lebanon Pole Relocation	E - Overhead	364	Program	E - Reliability	5. Discretionary	\$ 50,548
8830-C42933	Vilas Bridge 12L1	E - Overhead	364	Program	E - Reliability	5. Discretionary	\$ 2,047
8830-CD0272	11255 Michael Ave Getaway	E - Substation	362	Specific	E - Load Related	4. Regulatory Programs	\$ 1,184
8830-CD0291	Sky View URD - Salem, NH	E - Overhead	364	Specific	E- New Business Residential	3. Growth	\$ (1,676)
8830-CD0376	ENFIELD SUPPLY	E - Overhead	364	Program	E - Reliability	5. Discretionary	\$ (4,560)
8830-CD0785	Whelen Engineering Charlestown, NH	E - Overhead	364	Program	E - Reliability	5. Discretionary	\$ 145
8830-CN4104	01659 Granite St Meter Purchases	E - Meters	370	Blanket	E- Meter Installations	2. Mandated	\$ 158,990
8830-CN4120	01660 Granite St Transformer Purchases	E - Transformers	368	Blanket	E- Transformer Installations	2. Mandated	\$ 224,994
8830-CNN002	01737 GSE-Dist-Subs Blanket	E - Substation	362	Blanket	E - Damage/Failure	2. Mandated	\$ 8,295
8830-CNN004	GSE-Dist-Meter Blanket	E - Overhead/Underground	364	Blanket	E- Meter Installations	2. Mandated	\$ (188)
8830-CNN006	GSE-Dist-Genl Equip Blanket	G - Production	390	Blanket	E - Distribution General	5. Discretionary	\$ 20,732
8830-CNN007	GSE-Dist-Water Heater Blanket	E - Non-Delivery	390	Blanket	E - Damage/Failure	2. Mandated	\$ (57,638)
8830-CNN009	GSE-Dist-Land/Land Rights Blanket	E - Overhead/Underground	364	Blanket	E- Land & Land Rights	2. Mandated	\$ -
8830-CNN010	GSE-Dist-New Bus-Resid Blanket	E - Overhead	364	Blanket	E- New Business Residential	3. Growth	\$ 855,368
8830-CNN011	GSE-Dist-New Bus-Comm Blanket	E - Overhead	364	Blanket	E - New Business Commercial	3. Growth	\$ 1,513,315
8830-CNN012	GSE-Dist-St Light Blanket	E - Overhead	364	Blanket	E- Outdoor Lightning	2. Mandated	\$ 181,024
8830-CNN013	GSE-Dist-Public Require Blanket	E - Overhead	364	Blanket	E - Public Requirements	2. Mandated	\$ 521,946
8830-CNN014	Dist-Damage&Failure Blanket	E - Overhead	364	Blanket	E - Damage/Failure	2. Mandated	\$ 1,940,363
8830-CNN015	GSE-Dist-Reliability Blanket	E - Overhead	364	Blanket	E - Reliability	2. Mandated	\$ 1,124,162
8830-CNN016	GSE-Dist-Load Relief Blanket	E - Overhead	364	Blanket	E - Load Related	2. Mandated	\$ 70,264
8830-CNN017	GSE-Dist-Asset Replace Blanket	E - Overhead	364	Blanket	E - Asset Replacement	2. Mandated	\$ 948,224
8830-CNN020	Dist-Transf/Capac Install Blanket	E - Transformers	368	Blanket	E- Transformer Installations	2. Mandated	\$ -
8830-CNN021	GSE-Dist-Telecomm Blanket	E - Telecommunications	397	Blanket	E- Telecommunications	2. Mandated	\$ (947)
8830-CNN022	GSE-Dist-3rd Party Attach Blanket	E - Overhead	364	Blanket	E - 3rd Party Attachments	2. Mandated	\$ 52,606

Project #	Project_Description	Discipline	FERC	Blanket/ Specific /Progra m	Budget Class	Priority	Final 2016 Spend
8830-CNN023	GSE Distributed Generation Blanket	E - Overhead	364	Blanket	E - Load Related	2. Mandated	\$ 30,159
8830-CNN025	IT Systems & Equipment Blanket	E - Non-Delivery	390	Blanket	IT	5. Discretionary	\$ 914,660
8830-CNN026	Misc Capital Imprvmnts GSE Facilities Blanket	E - Non-Delivery	390	Blanket	Facilities	5. Discretionary	\$ 22,369
8830-CNN027	Transportation Fleet & Equip. Blanket	E - Non-Delivery	390	Blanket	Vehicles	5. Discretionary	\$ 232,760
8830-CRSRVAR_017	Reserve for Sub Asset Repl Specifics	E - Substation	362	Specific	E - Asset Replacement	5. Discretionary	\$ -
8830-CRSRVDF_014	Reserve for Damage/Failure Unidentified Specifics &	E - Overhead/Underground	364	Specific	E - Damage/Failure	5. Discretionary	\$ -
8830-CRSRVLRL_016	Reserve for Load Relief Unidentified Specifics	E - Overhead/Underground	364	Specific	E - Load Related	5. Discretionary	\$ -
8830-CRSRVNBC_010	Reserve for New Business Residential	E - Overhead/Underground	364	Specific	E- New Business Residential	3. Growth	\$ -
8830-CRSRVNBC_011	Reserve for New Business Commercial Unident specific & SC	E - Overhead/Underground	364	Specific	E - New Business Commercial	3. Growth	\$ -
8830-CRSRVPR_013	Reserve for Public Requirements Unidentified Specifics	E - Overhead/Underground	364	Specific	E - Public Requirements	5. Discretionary	\$ -
8830-CRSRVRL_015	Reserve for Reliability Unidentified Specifics	E - Overhead/Underground	364	Specific	E - Reliability	5. Discretionary	\$ -
8830-IT	IT System Oakville	E - Non-Delivery	303	Specific	IT	5. Discretionary	\$ 87,585
8830-MISC EQUIPMT	Misc Discretionary Purch Equipment	E - Non-Delivery	394	Specific	E - Asset Replacement	5. Discretionary	\$ (454)
8830-OTH-002	Salem WIC Security Upgrade	E - Non-Delivery	390	Specific	Facilities	5. Discretionary	\$ 82,197
8830-OTH-003	Lebanon WIC Security Upgrade	E - Non-Delivery	390	Specific	Facilities	5. Discretionary	\$ 71,815
8830-OTH-004	Londonderry WIC Security Upgrade	E - Non-Delivery	390	Specific	Facilities	5. Discretionary	\$ 24,473
8830-OTH-005	SHELVING IN SALEM WAREHOUSE	E - Non-Delivery	394	Specific	Facilities	5. Discretionary	\$ 11,277
8830-OTH-006	SALEM MAIN GATE	E - Non-Delivery	394	Specific	Facilities	5. Discretionary	\$ 4,529
8830-OTH-007	Salem Server Room AC Replacement	E - Non-Delivery	390	Specific	Facilities	5. Discretionary	\$ 9,676
8830-OTH-008	Salem Security Cameras	E - Non-Delivery	390	Specific	Facilities	5. Discretionary	\$ -
8830-OTH-009	ETRACK Electronic Vendor Invoicing	E - Non-Delivery	303	Specific	IT	5. Discretionary	\$ 4,500
8830-OTH-110	Londonderry Office Renovation	E - Non-Delivery	390	Specific	Facilities	5. Discretionary	\$ 32,560
8830-OTH-111	Install Customer Drop Boxes	E - Non-Delivery	390	Specific	Facilities	5. Discretionary	\$ -
8830-OTH-112	Salem NH Pole Pile	E - Non-Delivery	394	Specific	Facilities	5. Discretionary	\$ 68,422
8830-OTH-113	Replacement Windows for Lebanon Warehouse	E - Non-Delivery	390	Specific	Facilities	5. Discretionary	\$ 48,760
8830-OTH-114	Salem Electric Fleet	E - Non-Delivery	392	Specific	Vehicles	5. Discretionary	\$ 502,191
8830-OTH-120	EH&S Facility Vehicle	E - Non-Delivery	392	Specific	Vehicles	5. Discretionary	\$ 14,171
							18,487,402
	Less: REP		REP				\$ 799,821
	Capital Budget						17,687,581

Project #	Project_Description	Discipline	FERC	Blanket/ Specific /Progra m	Budget Class	Priority	Final 2016 Spend
Summary by FERC Account							
				303			111,814
				362			3,656,730
				364			11,212,868
				366			202,116
				368			224,994
				370			158,990
				390			1,520,572
				391			(342)
				392			516,362
				393			650
				394			83,774
				397			(947)
							<u>17,687,581</u>
				REP			<u>799,821</u>
							<u><u>18,487,402</u></u>

2017 and 2018 Step Projects

(a)	(b)	(c)	(d)	(e)	(f)	(g)	
Project_Description	FY2017 Capital Budget from Orig. Testimony Table 3	2017 Planning Criteria Investment Exclusion	Plant In Service (less Planning Criteria) as of 12/31/17	FY2018 Capital Budget from Orig. Testimony Table 3	2018 Planning Criteria Investment Exclusion	Plant In Service (less Planning Criteria) as of 12/31/18	Notes
Pelham Sub-Add 2nd Xfmr and Fdr Pos	\$2,000,000	\$0	\$2,000,000	\$1,600,000	\$350,000	\$1,250,000	2018 reflects the exclusion of the 14L5 planning criteria feeder position from the substation spend
Pelham-New 14L4 Fdr	\$400,000	\$0	\$400,000	\$0	\$0	\$0	
Pelham-New 14L5 Fdr (Planning Criteria Proj.)	\$450,000	\$450,000	\$0	\$350,000	\$350,000	\$0	
Charlestown DSub	\$25,000		\$0	\$50,000		\$0	
Charlestown 32 Dline	\$500,000	\$0	\$0	\$1,300,000	\$1,415,000	\$385,000	2018 reflects the exclusion of the 40L3 feeder planning criteria incremental spend and the inclusion of 40L3 construction started in 2017 and placed into service in 2018.
Step Totals	\$3,375,000	\$450,000	\$2,400,000	\$3,300,000	\$2,115,000	\$1,635,000	

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
Recoupment Calculation
Docket No. DE 16-383

1	Permanent rate increase	\$	3,750,000
2			
3	Less temporary rate increase		
4	Effective July 1, 2017		<u>2,354,980</u>
5			
6	Annual Difference	\$	1,395,020
7			
8	Recoupment amount		
9	Line 3 x 10/12	\$	1,162,517
10			
11	Annualized Amount		
12	Line 9 x 12/20	\$	697,510

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
 Estimated Rate Case Expense
Docket No. DE 16-383

Purpose	Provider	Amount
Revenue Requirement	HSG Group	\$ 105,000
Marginal Cost Study	Concentric	128,177
Rate Design	Concentric	42,237
Return on Equity	Sussex/ScottMadden	46,024
Lead/Lag	Sussex/ScottMadden	38,275
Legal Notice	Lawrence Eagle Tribune	1,250
Court Reporter	Patnaude	1,280
Copying	Minuteman Press	2,571
Staff Consultants		
	Innovative Alternatives Inc	33,199
	Woolridge	
	Williams	33,788
	Liberty Consulting Group	12,900
		79,887
OCA Consultant	Rubin	
Total		\$ 444,700
Annualized amount		\$ 266,820

Revenue Requirement Analysis

Line			
1	Permanent		
2	TY Revs	\$34,151,904	Proforma Normalized Calendar Month Revenues at June 1, 2016 Rates
3	Defic	\$3,750,000	Settlement, Permanent increase
4	Target	\$37,901,904	Permanent Revenue Target
5	Step Adjustment		
6	TY Revs	\$37,901,904	Line 4
7	Defic	\$2,473,723	Settlement, Step Adjustment
8	Target	\$40,375,627	Step Revenue Target
9	Recoupment and Rate case expenses		
10	TY Revenues	\$40,375,627	Line 8
11		\$697,510	20 month recoupment annualized
12		\$266,820	20 month rate case expense annualized
13	Deficiency	\$964,330	Line 11 + Line 12
14	Target	\$41,339,957	Line 10 + Line 13

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

Liberty Utilities (Granite State Electric)
 Settlement Revenue Requirement Calculations
 Settlement Rate Design Calculations

Line	(X)	DOMESTIC SERVICE RATE D (A)	DOMESTIC SERVICE Opt Peak Load Pricing RATE D-10 (B)	GENERAL SERVICE TIME-OF-USE RATE G-1 (C)	GENERAL LONG HOUR SERVICE RATE G-2 (D)	GENERAL SERVICE RATE G-3 (E)	OUTDOOR LIGHTING SERVICE RATE M (F)	LIMITED TOTAL ELECTRICAL LIVING RATE T (G)	LIMITED COMMERCIAL SPACE HEATING RATE V (H)	Company Total (I)	Explanation (J)	
1		A. Proforma Normalized Calendar Month Revenues at June 1, 2016 Rates										
2		Company Total Distribution Base Revenues										
3												
4		\$4,753,628	\$60,609	\$510,352	\$544,123	\$762,780	\$0	\$150,204	\$2,454	\$6,784,150	Base Revenues at June 2016 Rates	
5		\$0	\$0	\$6,342,219	\$3,496,397	\$0	\$0	\$0	\$0	\$9,838,617	Base Revenues at June 2016 Rates	
6		\$11,210,402	\$173,391	\$1,015,228	\$260,454	\$3,465,629	\$2,587	\$595,952	\$12,483	\$16,736,126	Base Revenues at June 2016 Rates	
7		-\$14,103	\$0	\$0	\$0	\$0	\$0	-\$15,461	\$0	-\$29,564	Base Revenues at June 2016 Rates	
8		\$0	\$0	\$0	\$0	\$0	\$822,575	\$0	\$0	\$822,575	Base Revenues at June 2016 Rates	
9		\$15,949,927	\$234,000	\$7,867,799	\$4,300,974	\$4,228,409	\$825,162	\$730,696	\$14,937	\$34,151,904	Σ Line 4 to Line 8	
10		B. Billing Determinants										
11		Customer Bill Count										
12		419,191	5,275	1,636	10,460	67,803	0	13,107	217	517,689	WP Rates-3, Line 22	
13		Energy Consumption (KWh)										
14		0	0	0	155,032,095	90,016,335	4,538,274	17,379,770	316,195	267,282,669	Test Year billing determinants	
15		94,868,638	0	0	0	0	0	0	0	94,868,638	Test Year billing determinants	
16		175,609,256	0	0	0	0	0	0	0	175,609,256	Test Year billing determinants	
17		0	1,938,033	171,698,304	0	0	0	0	0	173,636,337	Test Year billing determinants	
18		0	3,633,902	213,019,238	0	0	0	0	0	216,653,140	Test Year billing determinants	
19		1,022,194	0	0	0	0	0	0	0	1,022,194	Test Year billing determinants	
20		816,103	0	0	0	0	0	0	0	816,103	Test Year billing determinants	
21		1,501,862	0	0	0	0	0	0	0	1,501,862	Test Year billing determinants	
22		273,818,052	5,571,935	384,717,541	155,032,095	90,016,335	4,538,274	17,379,770	316,195	931,390,198	Σ Line 14 to Line 21	
23		Demand (kW)										
24		0	0	981,764	522,041	0	0	0	0	1,503,805	Test Year billing determinants	
25		\$0	\$0	\$161,095	\$24,881	\$0	\$0	\$0	\$0	\$185,976	Test Year billing determinants	
26		0	0	354,650	1,121	0	0	0	0	355,772	Test Year billing determinants	
27		\$0	\$0	\$9,105,371	\$63,252	\$0	\$0	\$0	\$0	\$9,168,623	Test Year billing determinants	
28		C. CLASS REVENUE TARGETS										
29		Delivery Revenue Requirement										
30		Total Revenue Requirement PERMANENT PLUS STEP PLUS ANNUALIZED 20 MONTH RECOUPMENT AND RATE CASE EXPENSE RECOVERY									41,339,957	Settlement: Permanent, 1st Step adj, Recoupment, Rate Case expense
31		% Increase (Revenue Requirement - Normalized revenues)									21.05%	Line 30 / Line 9 - 1
32		19,306,956	283,251	9,523,758	5,206,213	5,118,375	998,836	884,487	18,081	\$41,339,957	(1+Line 31) x Line 9	
33		D. RATE DESIGN										
34		\$11.34	\$11.49	\$311.97	\$52.02	\$11.25		\$11.46	\$11.29		Seventh Revised Page 68, Eff 6/1/16	
35		21.05%	21.05%	21.05%	21.05%	21.05%		21.05%	21.05%		Line 31	
36		\$14.50	\$14.50	\$377.63	\$62.97	\$14.50		\$14.50	\$14.50		\$14.50 OR Line 34 x (1 + Line 36)	
37		Customer Charge Revenue, Proposed Customer Charge										
38		\$6,078,272	\$76,487	\$617,765	\$658,658	\$983,139		\$190,049	\$3,152	\$8,607,522	Line 38 * Line 12	
39		Demand-Related Charges										
40		\$0.00	\$0.00	\$6.65	\$6.69	\$0.00		\$0.00	\$0.00		Seventh Revised Page 68, Eff 6/1/16	
41		\$0.00	\$0.00	-\$0.36	-\$0.36	\$0.00		\$0.00	\$0.00		Pages 44, 47, Eff 6/1/16	
42				0.20	0.20						Pages 43, 47, Eff 6/1/16	
43				-1.00%	-1.00%						Pages 44, 47, Eff 6/1/16	
44		Demand-Related Billing Units										
45		0	0	981,764	522,041	0	0	0	0	1,503,805	Test Year billing determinants	
46		0	0	354,650	1,121	0	0	0	0	355,772	Test Year billing determinants	
47		\$0	\$0	\$161,095	\$24,881	\$0		\$0	\$0		Test Year billing determinants	
48		\$0	\$0	\$9,105,371	\$63,252	\$0		\$0	\$0		Test Year billing determinants	

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

Liberty Utilities (Granite State Electric)
Settlement Revenue Requirement Calculations
Settlement Rate Design Calculations

Line	(X)	DOMESTIC SERVICE RATE D	DOMESTIC SERVICE Opt Peak Load Pricing RATE D-10	GENERAL SERVICE TIME-OF-USE RATE G-1	GENERAL LONG HOUR SERVICE RATE G-2	GENERAL SERVICE RATE G-3	OUTDOOR LIGHTING SERVICE RATE M	LIMITED TOTAL ELECTRICAL LIVING RATE T	LIMITED COMMERCIAL SPACE HEATING RATE V	Company Total	Explanation
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
52	Proposed Demand-Related Charges										
53	Rate Class Increase	21.05%	21.05%	21.05%	21.05%	21.05%		21.05%	21.05%		Line 32 / Line 9 - 1
54	Demand-Related Billing Units Revised for Proposed Rates										
55	Optional Demand Surcharge % Distribution factor			45.96%	51.60%						Company analysis of billing records
56	High Voltage Metering Adjustment % Distribution factor			38.46%	67.00%						Company analysis of billing records
57	Optional Demand Surcharge (\$) Proposed Rates			\$176,679	\$27,583						Line 50 x (1 + Line 55 x Line 53)
58	High Voltage Metering Adjustment (\$) Proposed Rates			\$9,842,474	\$72,171						Line 51 x (1 + Line 56 x Line 53)
59	Calculation of Demand-related charges										
60	Proposed Demand Charge			\$8.05	\$8.10						Line 43 x (1 + Line 53), rounded to 2 decimals
61	Proposed High Voltage Delivery Credit			-\$0.44	-\$0.44						Line 44 x (1 + Line 53), rounded to 2 decimals
62	Optional Demand Surcharge (%)			20.0%	20.0%						Line 45
63	High Voltage Metering Adjustment (% x Applicable Charges)			-1.00%	-1.00%						Line 46
64											
65	Demand Revenues at Proposed Rates	\$0	\$0	\$7,684,062	\$4,232,837	\$0	\$0	\$0	\$0	\$11,916,900	Line 48 x Line 60 + Line 49 x Line 61 + Line 57 x Line 62 + Line 58 x Line 63
66	Remaining Revenues	\$13,228,684	\$206,764	\$1,221,931	\$314,717	\$4,135,236	\$998,836	\$694,439	\$14,930	\$20,815,536	Line 32- Line 41 - Line 65
67	Energy-related Revenue Target	\$13,228,684	\$206,764	\$1,221,931	\$314,717	\$4,135,236	\$0	\$694,439	\$14,930	\$19,816,700	Line 66
68	Current Energy-Related Charges kWh										
69	Current Distribution Quantity \$/kWh				\$0.00168	\$0.03850		\$0.03429	\$0.03948		Seventh Revised Page 68, Eff 6/1/16
70	Current Distribution Quantity Block 1 \$/kWh	\$0.03105									Seventh Revised Page 68, Eff 6/1/16
71	Current Distribution Quantity Block 2 \$/kWh	\$0.04644									Seventh Revised Page 68, Eff 6/1/16
72	Current Distribution Quantity On Peak \$/kWh		\$0.08718	\$0.00430							Seventh Revised Page 68, Eff 6/1/16
73	Current Distribution Quantity Off Peak \$/kWh		\$0.00122	\$0.00130							Seventh Revised Page 68, Eff 6/1/16
74	Current Distribution Farm \$/kWh	\$0.03875									Seventh Revised Page 68, Eff 6/1/16
75	Current Distribution Quantity 6 hour control \$/kWh	\$0.03096									Seventh Revised Page 68, Eff 6/1/16
76	Current Distribution Quantity 16 hour control \$/kWh	\$0.02967									Seventh Revised Page 68, Eff 6/1/16
77	Interruptible Credit 6 hour control (\$ / Customer)	-\$6.65						-\$6.65			Seventh Revised Page 68, Eff 6/1/16
78	Interruptible Credit 16 hour control (\$ / Customer)	-\$9.50						-\$9.50			Seventh Revised Page 68, Eff 6/1/16
79	Distribution Energy-Related Billing Units										
80	Distribution Quantity	0	0	0	155,032,095	90,016,335	4,538,274	17,379,770	316,195	267,282,669	Test Year billing determinants
81	Distribution Quantity Block 1	94,868,638	0	0	0	0	0	0	0	94,868,638	Test Year billing determinants
82	Distribution Quantity Block 2	175,609,256	0	0	0	0	0	0	0	175,609,256	Test Year billing determinants
83	Distribution Quantity On Peak	0	1,938,033	171,698,304	0	0	0	0	0	173,636,337	Test Year billing determinants
84	Distribution Quantity Off Peak	0	3,633,902	213,019,238	0	0	0	0	0	216,653,140	Test Year billing determinants
85	Distribution Farm	1,022,194	0	0	0	0	0	0	0	1,022,194	Test Year billing determinants
86	Distribution Quantity 6 hour control	816,103	0	0	0	0	0	0	0	816,103	Test Year billing determinants
87	Distribution Quantity 16 hour control	1,501,862	0	0	0	0	0	0	0	1,501,862	Test Year billing determinants
88	Interruptible Credit 6 hour control (Customers)	1,670	0	0	0	0	0	2,203	0		Test Year billing determinants
89	Interruptible Credit 16 hour control (Customers)	315	0	0	0	0	0	86	0		Test Year billing determinants

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

Liberty Utilities (Granite State Electric)
 Settlement Revenue Requirement Calculations
 Settlement Rate Design Calculations

Line	(X)	DOMESTIC SERVICE RATE D (A)	DOMESTIC SERVICE Opt Peak Load Pricing RATE D-10 (B)	GENERAL SERVICE TIME-OF-USE RATE G-1 (C)	GENERAL LONG HOUR SERVICE RATE G-2 (D)	GENERAL SERVICE RATE G-3 (E)	OUTDOOR LIGHTING SERVICE RATE M (F)	LIMITED TOTAL ELECTRICAL LIVING RATE T (G)	LIMITED COMMERCIAL SPACE HEATING RATE V (H)	Company Total (I)	Explanation (J)
90	Proposed Energy-Related Charges										
91	Revenues at Current rates	\$11,196,299	\$173,391	\$1,015,228	\$260,454	\$3,465,629	\$0	\$580,492	\$12,483	\$16,703,976	Product of Lines 69 to 78 and Lines 80 to 89, summed
92	Revenues at Current rates, excluding IC Credits, Water Heating Rates	\$11,140,575	\$173,391	\$1,015,228	\$260,454	\$3,465,629	\$0	\$595,952	\$12,483	\$16,663,712	Product of Lines 69 to 74 and Lines 80 to 85, summed
93	Transition Rate Design for Interruptible Credit and Discounted Water Heating Rates										Settlement Agreement
94	0.00% Credit Transition %										
95	Proposed Interruptible Credits: 00.0% of current credits, increased by 21.05% Distribution Rate Increase										
96	6 Hour Interruptible Credit	\$0.00						\$0.00			Line 94, Col (X) x Line 77x (1+ Line 31), rounded
97	16 Hour Interruptible Credit	\$0.00						\$0.00			Line 94, Col (X) x Line 78x (1+ Line 31), rounded
98	Average Rate D consumption charge per kWh	\$0.04104									Product of Lines 15 to 16 and Lines 70 to 71, summed and divided by Lines 15 to 16
99	Increase in Rate D Energy revenues	18.15%									Line 66 / (Line 9 - Line 4) - 1
100	Average Date D proposed consumption charges per kWh	\$0.04849									Line 98 x (1 + Line 99)
101	50.00% Discount Transition %										Settlement Agreement
102	Proposed Water Heating Rates: Increased by 50.0% of diff btw current Water Heating Rate and avg Rate D per kWh rate, increased by 21.05% Distribution Rate Increase										
103	Proposed Distribution Quantity 6 hour control \$/kWh	\$0.04254									(1 + Cur % Disc: Controlled Water Heater WP Line a x Line 101) x Line 100
104	Proposed Distribution Quantity 16 hour control \$/kWh	\$0.04177									(1 + Cur % Disc: Controlled Water Heater WP Line b x Line 101) x Line 101
105	Revenue from Proposed Common Energy-related rates	\$97,450								\$97,450	Product of Lines (103-104, 86-87) and (96-97, 88-89), summed
106	Remaining Energy-related revenue target	\$13,131,234	\$206,764	\$1,221,931	\$314,717	\$4,135,236	\$0	\$694,439	\$14,930	\$19,719,250	line 67 - Line 105
107	% increase in Energy-Related Rates	17.87%	19.25%	20.36%	20.83%	19.32%	0.00%	16.53%	19.60%		Line 106 / Line 92 - 1
108											
109	Average proposed Rate D kWh rate	\$0.04838									(Line 107 + 1) x (Line 70 x Line 81 + Line 71 x Line 82) / (Line 81 + Line 82)
110	Rate per kWh revenue target	\$13,085,721									Line 109 x (Line 15 + Line 16)
111	Proposed rates, Current structure										
112	Block 1	\$0.03660									(Line 107 + 1) x (Line 70), Rounded to 5 decimals
113	Block 2	\$0.05474									(Line 107 + 1) x (Line 71), Rounded to 5 decimals
114	Block 1 discount	-24.35%									Line 112 / Line 109 - 1
115	66.67% of Discount	-16.23%									Line 114 x 0.6667
116											
117	Proposed Energy-Related Charges kWh										
118	Proposed Distribution Quantity \$/kWh BKL 1	\$0.04053			\$0.00203	\$0.04594	\$0.00000	\$0.03996	\$0.04722		Rate D: Line 109 x (1 + Line 115) Others: (Line 107 + 1) x Line 69, rounded
119	Proposed Distribution Quantity \$/kWh BLK 2	\$0.05262									Rate D: Line (110 - Line 118 x Line 15) / Line 16
120	Proposed Distribution Quantity On Peak \$/kWh		\$0.10396	\$0.00518							(Line 107 + 1) x Line 72, rounded
121	Proposed Distribution Quantity Off Peak \$/kWh		\$0.00145	\$0.00156							(Line 107 + 1) x Line 73, rounded
122	Proposed Distribution Farm \$/kWh	\$0.04567									(Line 107 + 1) x Line 74, rounded
123	Proposed Distribution Quantity 6 hour control \$/kWh	\$0.04254									Line 103
124	Proposed Distribution Quantity 16 hour control \$/kWh	\$0.04177									Line 104

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

Liberty Utilities (Granite State Electric)
 Settlement Revenue Requirement Calculations
 Settlement Rate Design Calculations

Line	DOMESTIC SERVICE RATE D	DOMESTIC SERVICE Opt Peak Load Pricing RATE D-10	GENERAL SERVICE TIME-OF-USE RATE G-1	GENERAL LONG HOUR SERVICE RATE G-2	GENERAL SERVICE RATE G-3	OUTDOOR LIGHTING SERVICE RATE M	LIMITED TOTAL ELECTRICAL LIVING RATE T	LIMITED COMMERCIAL SPACE HEATING RATE V	Company Total	Explanation	
(X)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
125	Base Rates Revenue Proof										
126	Proposed Customer Charge Revenues										
127	Total Customer Charge Revenues	\$6,078,272	\$76,487	\$617,765	\$658,658	\$983,139	\$0	\$190,049	\$3,152	\$8,607,522	Line 38 x Line 12
128	Proposed Demand-Related Revenues										
129	Demand Charge	\$0	\$0	\$7,903,197	\$4,228,536	\$0	\$0	\$0	\$0	\$12,131,733	Line 60 x Line 24
130	High Voltage Delivery Credit	\$0	\$0	-\$156,046	-\$493	\$0	\$0	\$0	\$0	-\$156,539	Line 61 x Line 26
131	Optional Demand Surcharge (\$)	\$0	\$0	\$35,335.89	\$5,516.64	\$0	\$0	\$0	\$0	\$40,853	Line 62 x Line 25
132	High Voltage Metering Adjustment (\$)	\$0	\$0	-\$98,425	-\$722	\$0	\$0	\$0	\$0	-\$99,146	Line 63 x Line 27
133	Total Demand-Related Revenues	\$0	\$0	\$7,684,062	\$4,232,837	\$0	\$0	\$0	\$0	\$11,916,900	Σ Lines 129 to 132
134	Proposed Energy-Related Revenues										
135	Proposed Distribution Quantity \$/kWh Block 1	\$3,845,026	\$0	\$0	\$314,715	\$4,135,350	\$0	\$694,496	\$14,931	\$9,004,518	Line 118 x Line 14
136	Proposed Distribution Quantity \$/kWh Block 2	\$9,240,559									
137	Proposed Distribution Quantity On Peak \$/kWh	\$0	\$201,478	\$889,397	\$0	\$0	\$0	\$0	\$0	\$1,090,875	Line 120 x Line 17
138	Proposed Distribution Quantity Off Peak \$/kWh	\$0	\$5,269	\$332,310	\$0	\$0	\$0	\$0	\$0	\$337,579	Line 121 x Line 18
139	Proposed Distribution Farm \$/kWh	\$46,684	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$46,684	Line 122 x Line 19
140	Proposed Distribution Quantity 6 hour control \$/kWh	\$34,717	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$34,717	Line 123 x Line 20
141	Proposed Distribution Quantity 16 hour control \$/kWh	\$62,733	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$62,733	Line 124 x Line 21
142	Proposed Interruptible Credit 6 hour control	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Line 96 x Line 88
143	Proposed Interruptible Credit 16 hour control	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Line 97 x Line 89
144	Total Energy-Related Revenues	\$13,229,718	\$206,747	\$1,221,707	\$314,715	\$4,135,350	\$0	\$694,496	\$14,931	\$19,817,665	Σ Lines 135 to 143
145	Proposed Outdoor Lighting Revenues					\$998,831				\$998,831	
146											
147	Total Proposed Revenues	\$19,307,990	\$283,234	\$9,523,535	\$5,206,211	\$5,118,490	\$998,831	\$884,544	\$18,083	\$41,340,917	Σ Lines 127, 133, 144, 145
148		\$1,035	-\$17	-\$223	-\$2	\$114	-\$5	\$57	\$1	\$960	Revenue variance is due to rounding

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

Liberty Utilities (Granite State Electric)
 Settlement Revenue Requirement Calculations
 Settlement Rate Design Calculations

Controlled Water Heater Workpaper Discounted Water Heater Control Rate								
	rate	Current		Proposed			Change in discount	
		Discount	% Discount	rate	Discount	% Dscount		
a	6 hour discount	\$0.03096	-\$0.01008	-24.57%	\$0.04254	-\$0.00595	-12.27%	50%
b	16 hour discount	\$0.02967	-\$0.01137	-27.71%	\$0.04177	-\$0.00672	-13.86%	50%
c	Average Rate D	\$0.04104			\$0.04849			

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

Liberty Utilities (Granite State Electric) Corp.
 Test Year Revenues and Billing Determinants

REVENUES AT CURRENT RATES										
Base Revenues at June 2016 Rates										
Line		RATE D	RATE D-10	RATE G-1	RATE G-2	RATE G-3	RATE M	RATE T	RATE V	Total
1	Customer	\$4,753,628	\$60,609	\$510,352	\$544,123	\$762,780	\$0	\$150,204	\$2,454	\$6,784,150
2	Distribution Quantity	\$0	\$0	\$0	\$260,454	\$3,465,629	\$2,587	\$595,952	\$12,483	\$4,337,105
3	Distribution Quantity Block 1	\$2,945,671	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,945,671
4	Distribution Quantity Block 2	\$8,155,294	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,155,294
5	Distribution Quantity OnPeak	\$0	\$168,958	\$738,303	\$0	\$0	\$0	\$0	\$0	\$907,260
6	Distribution Quantity OffPeak	\$0	\$4,433	\$276,925	\$0	\$0	\$0	\$0	\$0	\$281,358
7	Distribution Farm	\$39,610	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$39,610
8	Distribution Quantity 6 hour control	\$25,267	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,267
9	Distribution Quantity 16 hour control	\$44,560	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$44,560
10	Distribution Demand	\$0	\$0	\$6,528,728	\$3,492,457	\$0	\$0	\$0	\$0	\$10,021,185
11	Distribution Demand: Optional Billing	\$0	\$0	\$32,219	\$4,976	\$0	\$0	\$0	\$0	\$37,195
12	Distribution: High Voltage Delivery Credit	\$0	\$0	-\$127,674	-\$404	\$0	\$0	\$0	\$0	-\$128,078
13	Interruptible Credit	-\$14,103	\$0	\$0	\$0	\$0	\$0	-\$15,461	\$0	-\$29,564
14	High Voltage Metering Adjustment			-\$91,054	-\$633					-\$91,686
15	Fixtures						\$822,575			\$822,575
16	Total	\$15,949,927	\$234,000	\$7,867,799	\$4,300,974	\$4,228,409	\$825,162	\$730,696	\$14,937	\$34,151,904
17	Customer	\$4,753,628	\$60,609	\$510,352	\$544,123	\$762,780	\$0	\$150,204	\$2,454	\$6,784,150
18	Demand	\$0	\$0	\$6,342,219	\$3,496,397	\$0	\$0	\$0	\$0	\$9,838,617
19	Energy	\$11,210,402	\$173,391	\$1,015,228	\$260,454	\$3,465,629	\$2,587	\$595,952	\$12,483	\$16,736,126
20	Fixtures	\$0	\$0	\$0	\$0	\$0	\$822,575	\$0	\$0	\$822,575
21	Misc	-\$14,103	\$0	\$0	\$0	\$0	\$0	-\$15,461	\$0	-\$29,564

Test Year Billing Determinants										
Customer Counts										
	RATE D	RATE D-10	RATE G-1	RATE G-2	RATE G-3	RATE M	RATE T	RATE V	Total	
22	Equivalent Bills	419,191	5,275	1,636	10,460	67,803	-	13,107	217	517,689
23	Total	419,191	5,275	1,636	10,460	67,803	-	13,107	217	517,689

kWh										
	RATE D	RATE D-10	RATE G-1	RATE G-2	RATE G-3	RATE M	RATE T	RATE V	Total	
24	Distribution Quantity	-	-	-	155,032,095	90,016,335	4,538,274	17,379,770	316,195	267,282,669
25	Distribution Quantity Block 1	94,868,638	-	-	-	-	-	-	-	94,868,638
26	Distribution Quantity Block 2	175,609,256	-	-	-	-	-	-	-	175,609,256
27	Distribution Quantity OnPeak	-	1,938,033	171,698,304	-	-	-	-	-	173,636,337
28	Distribution Quantity OffPeak	-	3,633,902	213,019,238	-	-	-	-	-	216,653,140
29	Distribution Farm	1,022,194	-	-	-	-	-	-	-	1,022,194
30	Distribution Quantity 6 hour control	816,103	-	-	-	-	-	-	-	816,103
31	Distribution Quantity 16 hour control	1,501,862	-	-	-	-	-	-	-	1,501,862
32	Total kWh	273,818,052	5,571,935	384,717,541	155,032,095	90,016,335	4,538,274	17,379,770	316,195	931,390,198

037

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

Liberty Utilities (Granite State Electric) Corp.
 Test Year Revenues and Billing Determinants

	RATE D	RATE D-10	RATE G-1	RATE G-2	RATE G-3	RATE M	RATE T	RATE V	Total
33 Interruptible Credit									
33 6 hour (Customers)	1,670						2,203		3,873
34 16 hour (Customers)	315						86		401

kW									
	RATE D	RATE D-10	RATE G-1	RATE G-2	RATE G-3	RATE M	RATE T	RATE V	Total
35 Billing Demand	-	-	981,764	522,041	-	-	-	-	1,503,805
36 Distribution Demand Optional Billing (\$)			\$161,095	\$24,881					\$185,976
37 High Voltage Delivery (kW)			354,650	1,121					355,772
38 High Voltage Metering Adjustment (\$)			\$9,105,371	\$63,252					\$9,168,623

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

Revenues at current rates (Including Energy Roll in) \$825,162
 Proposed Rate M revenue target \$998,836

21.05% Proposed Settlement % increase in Rate M

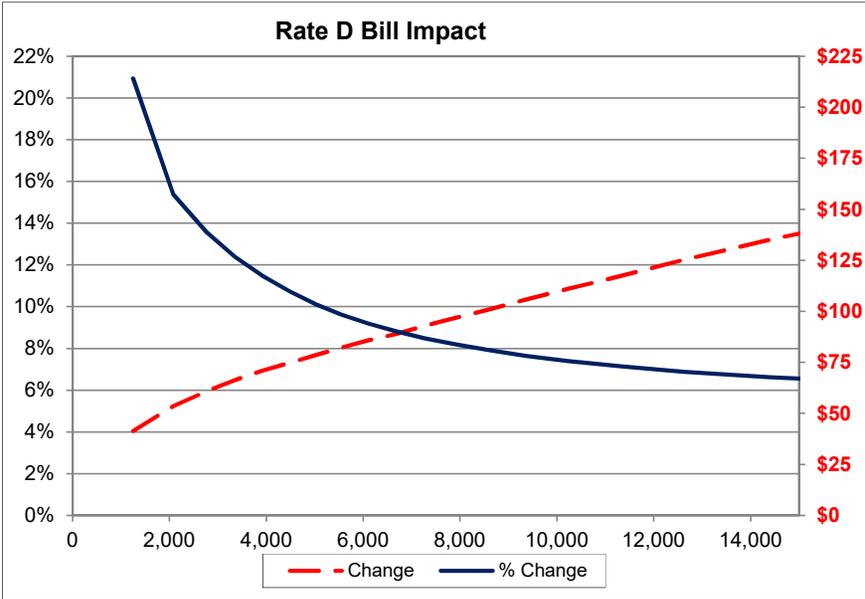
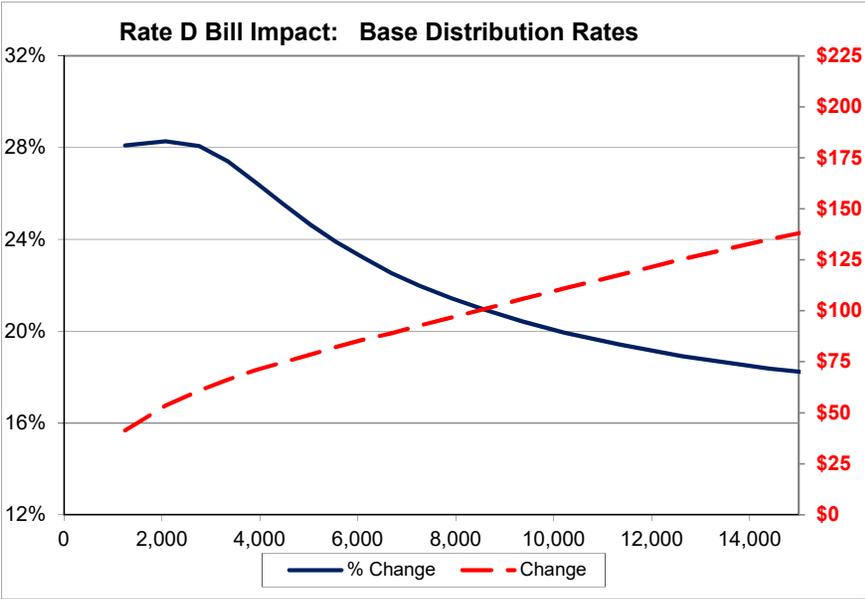
Line	Rate M Fixtures	Test Year 12 months Fixtures	June 2016 Rates (Annual)	TY Energy Charges (Annual)	June 2016 Rates + Energy Rolled in (Annual)	Proforma Test Year Revenues at Current Rates (Fixture + Energy)	Proposed Rates Annual)	Revenues at Proposed Rates	Annual Increase per fixture	% Increase
1	Sodium Vapor 4,000	29,497	\$75.33	\$0.24	\$75.57	\$185,748	\$91.47	\$224,839	\$15.90	21.05%
2	Sodium Vapor 9,600	21,972	\$91.33	\$0.29	\$91.62	\$167,755	\$110.90	\$203,062	\$19.28	21.05%
3	Sodium Vapor 27,500	6,921	\$160.39	\$0.50	\$160.89	\$92,800	\$194.76	\$112,333	\$33.87	21.05%
4	Sodium Vapor 50,000	2,957	\$209.00	\$0.66	\$209.66	\$51,668	\$253.78	\$62,541	\$44.12	21.05%
5	Sodium Vapor 9,600 (Post Top)	4,877	\$105.18	\$0.33	\$105.51	\$42,880	\$127.72	\$51,905	\$22.21	21.05%
6	Sodium Vapor 27500 (Flood)	3,378	\$161.81	\$0.51	\$162.32	\$45,698	\$196.48	\$55,315	\$34.16	21.05%
7	Sodium Vapor 50,000 (Flood)	5,405	\$223.39	\$0.70	\$224.09	\$100,931	\$271.26	\$122,175	\$47.17	21.05%
8	Incandescent 1,000	312	\$100.57	\$0.32	\$100.89	\$2,623	\$122.12	\$3,175	\$21.23	21.05%
9	Mercury Vapor 4,000	1,020	\$72.77	\$0.23	\$73.00	\$6,203	\$88.36	\$7,508	\$15.36	21.04%
10	Mercury Vapor 8,000	1,852	\$88.51	\$0.28	\$88.79	\$13,703	\$107.48	\$16,587	\$18.69	21.05%
11	Mercury Vapor 22,000	609	\$167.41	\$0.53	\$167.94	\$8,524	\$203.28	\$10,318	\$35.34	21.05%
12	Mercury Vapor 63,000	17	\$317.66	\$1.00	\$318.66	\$450	\$385.73	\$544	\$67.07	21.05%
13	Mercury Vapor 22,000 (Flood)	285	\$185.14	\$0.58	\$185.72	\$4,412	\$224.81	\$5,341	\$39.09	21.05%
14	Mercury Vapor 63,000 (Flood)	0	\$319.72	\$0.00	\$319.72	\$0	\$387.01	\$0	\$67.29	21.05%
15	Wood Poles	1,504	\$88.77	\$0.28	\$89.05	\$11,163	\$107.79	\$13,512	\$18.74	21.05%
16	Fiberglass Direct Embedded	2,940	\$91.91	\$0.29	\$92.20	\$22,590	\$111.60	\$27,344	\$19.40	21.04%
17	Fiberglass With Foundation < 25 Ft.	1,537	\$155.92	\$0.49	\$156.41	\$20,030	\$189.33	\$24,246	\$32.92	21.05%
18	Fiberglass with Foundation >= 25 ft.	0	\$260.51	\$0.00	\$260.51	\$0	\$315.34	\$0	\$54.83	21.05%
19	Metal Poles Direct Embedded	2,016	\$185.93	\$0.58	\$186.51	\$31,341	\$225.77	\$37,937	\$39.26	21.05%
20	Metal Poles with Foundation	888	\$224.04	\$0.70	\$224.74	\$16,631	\$272.05	\$20,132	\$47.31	21.05%
21	Sodium Vapor 4,000 Part Night	2.0	\$75.33	\$0.24	\$75.57	\$13	\$91.47	\$15	\$15.90	21.05%
22	Total					\$825,162		\$998,831		

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE D : DOMESTIC SERVICE

D Current Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824
Customer charge	\$11.34
First 250 kWh	\$0.03105
Excess 250 kWh	\$0.04644

D Settlement Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824
Customer charge	\$14.50
First 250 kWh	\$0.04053
Excess 250 kWh	\$0.05262



040

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE D : DOMESTIC SERVICE

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D Current Rates		D Settlement Rates	
Energy Services	\$0.07630	Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824	Other Tracking Mechanisms	\$0.01824
Customer charge	\$11.34	Customer charge	\$14.50
First 250 kWh	\$0.03105	First 250 kWh	\$0.04053
Excess 250 kWh	\$0.04644	Excess 250 kWh	\$0.05262

	Annual Use Range (kWh)		Average Annual Bills (Excluding Tracking Mechanisms)				Annual Bills (Including Tracking Mechanisms)				Customers in Ranges		
	Low	High	Current Rates	Proposed Rates	Change	% Change	Current Rates	Proposed Rates	Change	% Change	Number of customers	Cumulative customers	% Cumulative customers
10	0	1,248	\$147.17	\$188.52	\$41.35	28.1%	\$197.49	\$238.84	\$41.35	20.9%	1,733	1,733	5.0%
11	1,260	2,076	\$189.32	\$242.85	\$53.52	28.3%	\$348.15	\$401.67	\$53.52	15.4%	1,748	3,481	10.0%
12	2,088	2,760	\$216.94	\$277.81	\$60.88	28.1%	\$448.46	\$509.34	\$60.88	13.6%	1,728	5,209	15.0%
13	2,772	3,348	\$242.14	\$308.49	\$66.35	27.4%	\$535.25	\$601.60	\$66.35	12.4%	1,741	6,950	20.0%
14	3,360	3,936	\$268.86	\$339.95	\$71.09	26.4%	\$620.53	\$691.62	\$71.09	11.5%	1,710	8,660	25.0%
15	3,948	4,476	\$292.82	\$367.62	\$74.80	25.5%	\$696.67	\$771.47	\$74.80	10.7%	1,740	10,400	30.0%
16	4,488	5,028	\$318.89	\$397.45	\$78.56	24.6%	\$776.95	\$855.50	\$78.56	10.1%	1,726	12,126	35.0%
17	5,040	5,556	\$344.09	\$426.27	\$82.18	23.9%	\$854.48	\$936.67	\$82.18	9.6%	1,732	13,858	39.9%
18	5,568	6,108	\$369.88	\$455.71	\$85.83	23.2%	\$933.15	\$1,018.98	\$85.83	9.2%	1,749	15,607	45.0%
19	6,120	6,684	\$394.72	\$483.68	\$88.96	22.5%	\$1,009.39	\$1,098.35	\$88.96	8.8%	1,754	17,361	50.0%
20	6,696	7,272	\$423.05	\$515.99	\$92.94	22.0%	\$1,095.72	\$1,188.65	\$92.94	8.5%	1,719	19,080	55.0%
21	7,284	7,920	\$451.65	\$548.46	\$96.81	21.4%	\$1,182.22	\$1,279.03	\$96.81	8.2%	1,736	20,816	60.0%
22	7,932	8,604	\$482.09	\$583.03	\$100.93	20.9%	\$1,274.65	\$1,375.59	\$100.93	7.9%	1,731	22,547	65.0%
23	8,616	9,360	\$517.83	\$623.61	\$105.77	20.4%	\$1,383.27	\$1,489.04	\$105.77	7.6%	1,746	24,293	70.0%
24	9,372	10,212	\$556.69	\$667.64	\$110.96	19.9%	\$1,501.01	\$1,611.97	\$110.96	7.4%	1,729	26,022	75.0%
25	10,224	11,340	\$604.99	\$722.51	\$117.52	19.4%	\$1,647.41	\$1,764.93	\$117.52	7.1%	1,740	27,762	80.0%
26	11,352	12,624	\$662.72	\$788.03	\$125.31	18.9%	\$1,822.38	\$1,947.69	\$125.31	6.9%	1,734	29,496	85.0%
27	12,636	14,400	\$735.11	\$870.17	\$135.06	18.4%	\$2,041.63	\$2,176.69	\$135.06	6.6%	1,726	31,222	90.0%
28	14,412	17,580	\$854.03	\$1,005.02	\$150.99	17.7%	\$2,401.91	\$2,552.90	\$150.99	6.3%	1,738	32,960	95.0%
29	17,592	131,676	\$1,209.31	\$1,407.58	\$198.27	16.4%	\$3,480.75	\$3,679.02	\$198.27	5.7%	1,734	34,694	100.0%

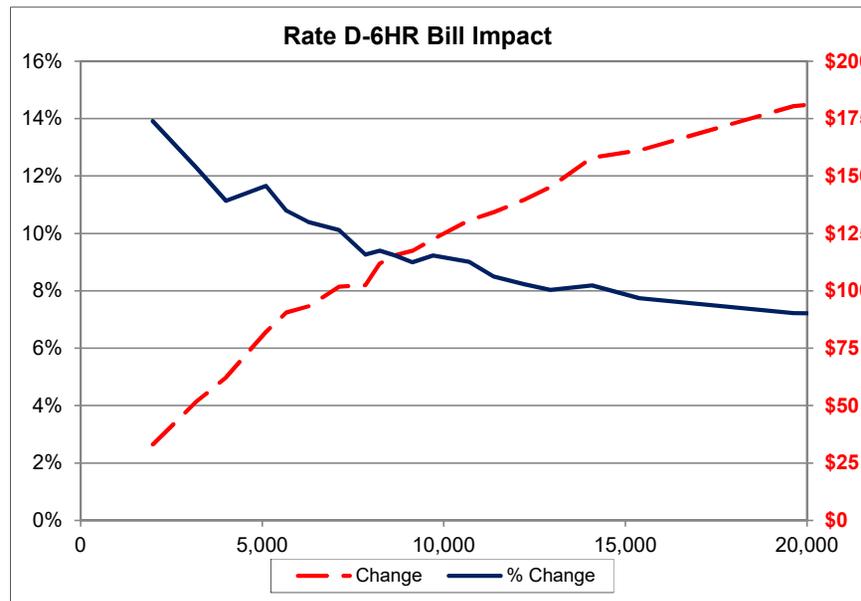
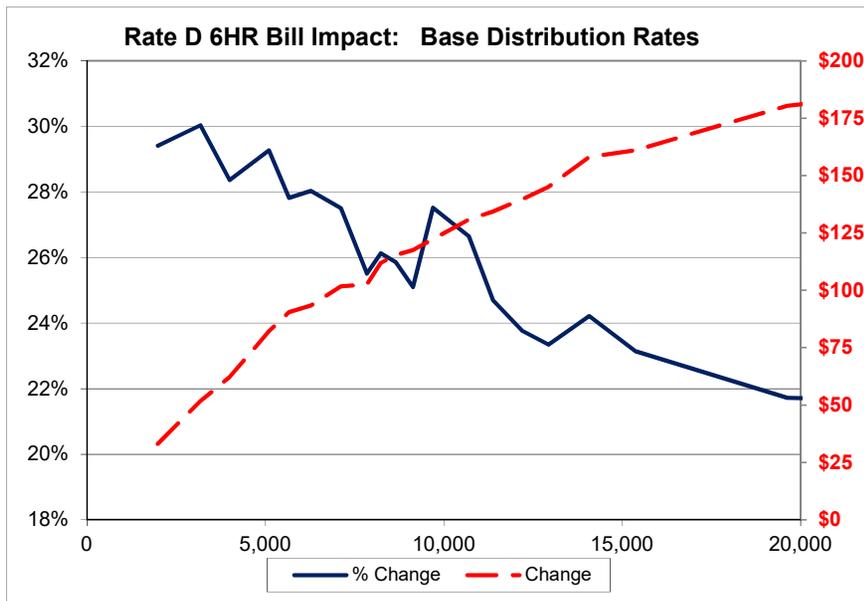
041

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE D : DOMESTIC SERVICE - Off Peak Use, 6 Hour Control

D Current Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824
Customer charge	\$11.34
Off Peak Use	\$0.03096
First 250 kWh	\$0.03105
Excess 250 kWh	\$0.04644

D Settlement Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824
Customer charge	\$14.50
Off Peak Use	\$0.04254
First 250 kWh	\$0.04053
Excess 250 kWh	\$0.05262



042

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE D : DOMESTIC SERVICE - Off Peak Use, 6 Hour Control

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D Current Rates		D Settlement Rates	
Energy Services	\$0.07630	Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824	Other Tracking Mechanisms	\$0.01824
Customer charge	\$11.34	Customer charge	\$14.50
Off Peak Use	\$0.03096	Off Peak Use	\$0.04254
First 250 kWh	\$0.03105	First 250 kWh	\$0.04053
Excess 250 kWh	\$0.04644	Excess 250 kWh	\$0.05262

Annual Use Range (kWh)	Average Annual Bills (Excluding Tracking Mechanisms)				Annual Bills (Including Tracking Mechanisms)				Customers in Ranges				
	Low	High	Current Rates	Proposed Rates	Change	% Change	Current Rates	Proposed Rates	Change	% Change	Number of customers	Cumulative customers	% Cumulative customers
10	0	1,985	\$112.55	\$145.66	\$33.11	29.4%	\$237.89	\$271.00	\$33.11	13.9%	12	12	4.6%
11	1,985	3,181	\$172.22	\$223.95	\$51.73	30.0%	\$420.95	\$472.67	\$51.73	12.3%	13	25	9.5%
12	3,181	4,000	\$219.47	\$281.71	\$62.24	28.4%	\$558.69	\$620.93	\$62.24	11.1%	13	38	14.5%
13	4,000	5,100	\$280.78	\$362.94	\$82.16	29.3%	\$704.85	\$787.02	\$82.16	11.7%	13	51	19.5%
14	5,100	5,660	\$325.40	\$415.91	\$90.51	27.8%	\$838.40	\$928.91	\$90.51	10.8%	13	64	24.4%
15	5,660	6,277	\$332.93	\$426.24	\$93.31	28.0%	\$897.59	\$990.90	\$93.31	10.4%	13	77	29.4%
16	6,277	7,112	\$369.76	\$471.50	\$101.73	27.5%	\$1,005.23	\$1,106.96	\$101.73	10.1%	14	91	34.7%
17	7,112	7,843	\$401.85	\$504.36	\$102.51	25.5%	\$1,107.16	\$1,209.68	\$102.51	9.3%	13	104	39.7%
18	7,843	8,240	\$428.25	\$540.16	\$111.91	26.1%	\$1,191.11	\$1,303.02	\$111.91	9.4%	13	117	44.7%
19	8,240	8,660	\$446.66	\$562.15	\$115.50	25.9%	\$1,250.55	\$1,366.05	\$115.50	9.2%	13	130	49.6%
20	8,660	9,138	\$468.06	\$585.53	\$117.47	25.1%	\$1,306.20	\$1,423.67	\$117.47	9.0%	13	143	54.6%
21	9,138	9,698	\$444.90	\$567.33	\$122.43	27.5%	\$1,325.62	\$1,448.05	\$122.43	9.2%	13	156	59.5%
22	9,698	10,699	\$490.72	\$621.50	\$130.78	26.7%	\$1,451.33	\$1,582.11	\$130.78	9.0%	13	169	64.5%
23	10,699	11,372	\$543.41	\$677.66	\$134.25	24.7%	\$1,578.76	\$1,713.01	\$134.25	8.5%	14	183	69.8%
24	11,372	12,207	\$588.08	\$727.80	\$139.72	23.8%	\$1,697.52	\$1,837.24	\$139.72	8.2%	13	196	74.8%
25	12,207	12,935	\$622.12	\$767.31	\$145.19	23.3%	\$1,806.96	\$1,952.15	\$145.19	8.0%	13	209	79.8%
26	12,935	14,077	\$652.89	\$811.00	\$158.11	24.2%	\$1,931.15	\$2,089.26	\$158.11	8.2%	13	222	84.7%
27	14,077	15,380	\$696.44	\$857.55	\$161.11	23.1%	\$2,079.51	\$2,240.62	\$161.11	7.7%	13	235	89.7%
28	15,380	19,626	\$830.41	\$1,010.80	\$180.39	21.7%	\$2,497.95	\$2,678.34	\$180.39	7.2%	13	248	94.7%
29	19,626	60,163	\$1,194.67	\$1,442.74	\$248.07	20.8%	\$3,700.62	\$3,948.68	\$248.07	6.7%	14	262	100.0%

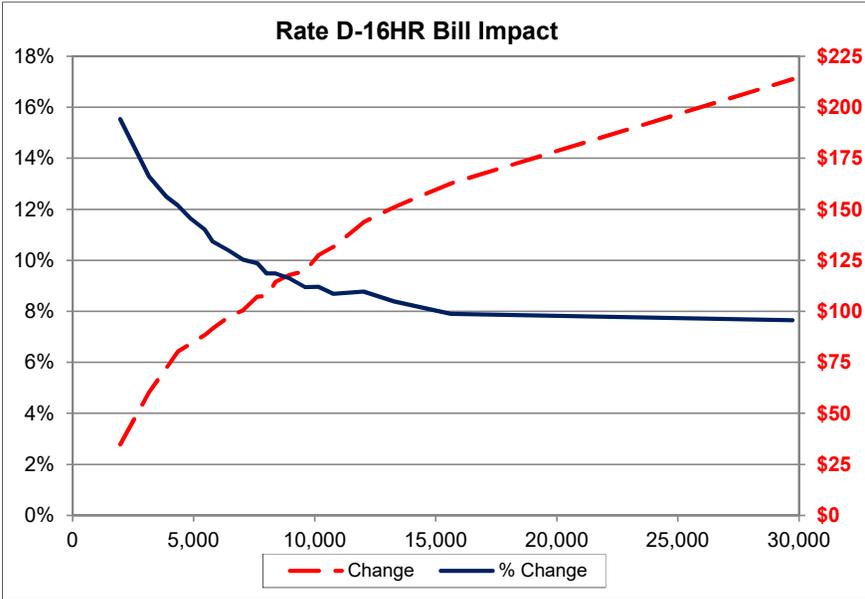
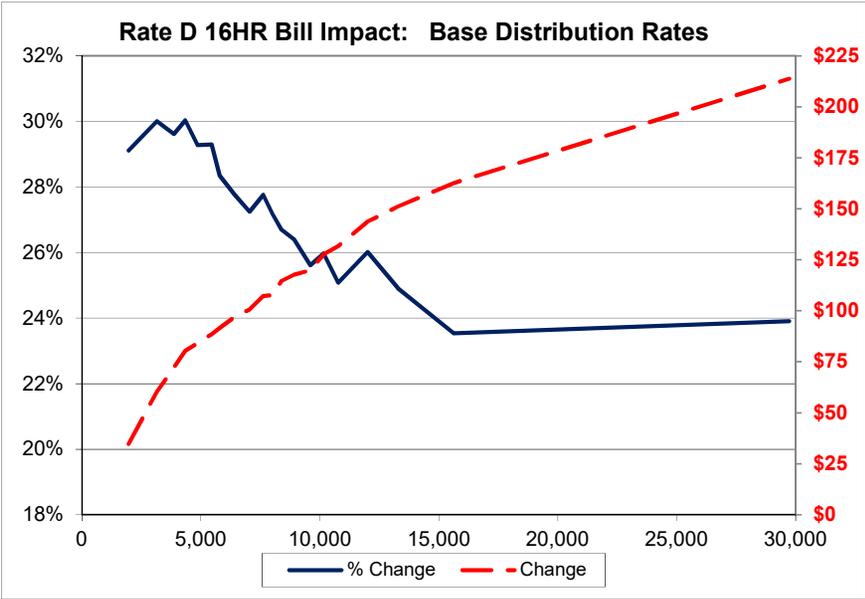
043

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE D : DOMESTIC SERVICE - Off Peak Use, 16 Hour Control

D Current Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824
Customer charge	\$11.34
Off Peak Use	\$0.02967
First 250 kWh	\$0.03105
Excess 250 kWh	\$0.04644

D Settlement Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824
Customer charge	\$14.50
Off Peak Use	\$0.04177
First 250 kWh	\$0.04053
Excess 250 kWh	\$0.05262



044

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE D : DOMESTIC SERVICE - Off Peak Use, 16 Hour Control

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D Current Rates		D Settlement Rates	
Energy Services	\$0.07630	Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824	Other Tracking Mechanisms	\$0.01824
Customer charge	\$11.34	Customer charge	\$14.50
Off Peak Use	\$0.02967	Off Peak Use	\$0.04177
First 250 kWh	\$0.03105	First 250 kWh	\$0.04053
Excess 250 kWh	\$0.04644	Excess 250 kWh	\$0.05262

Annual Use Range (kWh)	Average Annual Bills (Excluding Tracking Mechanisms)				Annual Bills (Including Tracking Mechanisms)				Customers in Ranges				
	Low	High	Current Rates	Proposed Rates	Change	% Change	Current Rates	Proposed Rates	Change	% Change	Number of customers	Cumulative customers	% Cumulative customers
10	0	1,964	\$119.49	\$154.27	\$34.78	29.1%	\$223.86	\$258.64	\$34.78	15.5%	28	28	5.0%
11	1,964	3,159	\$201.27	\$261.67	\$60.40	30.0%	\$454.79	\$515.19	\$60.40	13.3%	28	56	9.9%
12	3,159	3,863	\$243.71	\$315.89	\$72.18	29.6%	\$577.50	\$649.68	\$72.18	12.5%	28	84	14.9%
13	3,863	4,349	\$267.73	\$348.14	\$80.41	30.0%	\$662.07	\$742.48	\$80.41	12.1%	28	112	19.9%
14	4,349	4,871	\$287.09	\$371.15	\$84.06	29.3%	\$721.95	\$806.01	\$84.06	11.6%	29	141	25.0%
15	4,871	5,451	\$302.14	\$390.64	\$88.51	29.3%	\$789.52	\$878.02	\$88.51	11.2%	28	169	30.0%
16	5,451	5,782	\$323.34	\$415.01	\$91.67	28.4%	\$853.76	\$945.43	\$91.67	10.7%	28	197	34.9%
17	5,782	6,416	\$349.45	\$446.51	\$97.05	27.8%	\$933.67	\$1,030.73	\$97.05	10.4%	28	225	39.9%
18	6,416	7,045	\$369.29	\$469.92	\$100.63	27.2%	\$1,003.60	\$1,104.23	\$100.63	10.0%	28	253	44.9%
19	7,045	7,619	\$386.21	\$493.42	\$107.21	27.8%	\$1,083.96	\$1,191.16	\$107.21	9.9%	28	281	49.8%
20	7,619	8,005	\$396.18	\$503.84	\$107.66	27.2%	\$1,134.97	\$1,242.63	\$107.66	9.5%	29	310	55.0%
21	8,005	8,384	\$428.95	\$543.48	\$114.53	26.7%	\$1,207.18	\$1,321.71	\$114.53	9.5%	28	338	59.9%
22	8,384	8,916	\$445.46	\$563.07	\$117.61	26.4%	\$1,263.90	\$1,381.51	\$117.61	9.3%	28	366	64.9%
23	8,916	9,600	\$467.90	\$587.75	\$119.85	25.6%	\$1,338.30	\$1,458.15	\$119.85	9.0%	28	394	69.9%
24	9,600	10,155	\$491.52	\$619.18	\$127.66	26.0%	\$1,425.16	\$1,552.83	\$127.66	9.0%	28	422	74.8%
25	10,155	10,781	\$525.14	\$656.83	\$131.69	25.1%	\$1,515.18	\$1,646.87	\$131.69	8.7%	29	451	80.0%
26	10,781	12,009	\$552.31	\$696.00	\$143.68	26.0%	\$1,637.93	\$1,781.61	\$143.68	8.8%	28	479	84.9%
27	12,009	13,281	\$606.43	\$757.50	\$151.08	24.9%	\$1,801.46	\$1,952.54	\$151.08	8.4%	28	507	89.9%
28	13,281	15,634	\$691.22	\$853.89	\$162.67	23.5%	\$2,059.80	\$2,222.48	\$162.67	7.9%	28	535	94.9%
29	15,634	29,728	\$894.10	\$1,107.83	\$213.74	23.9%	\$2,792.88	\$3,006.62	\$213.74	7.7%	29	564	100.0%

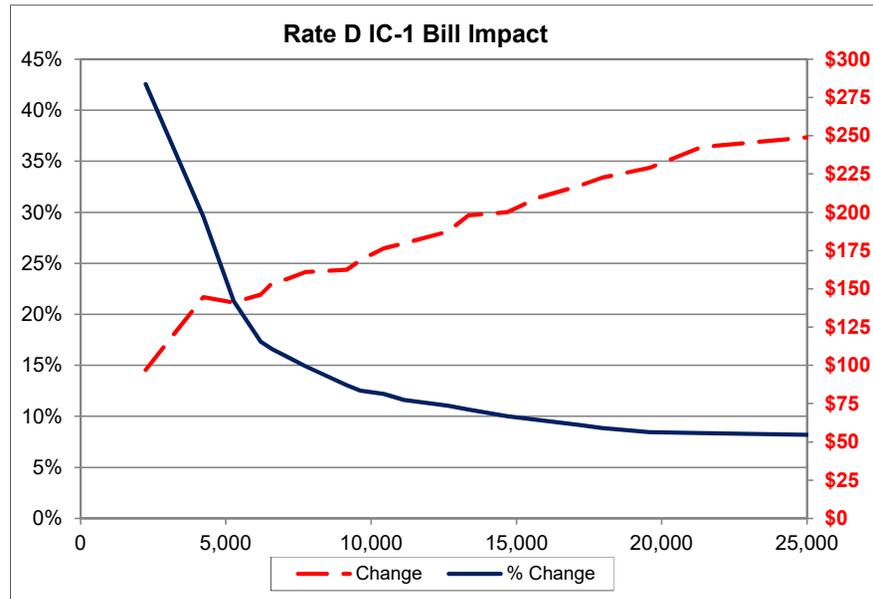
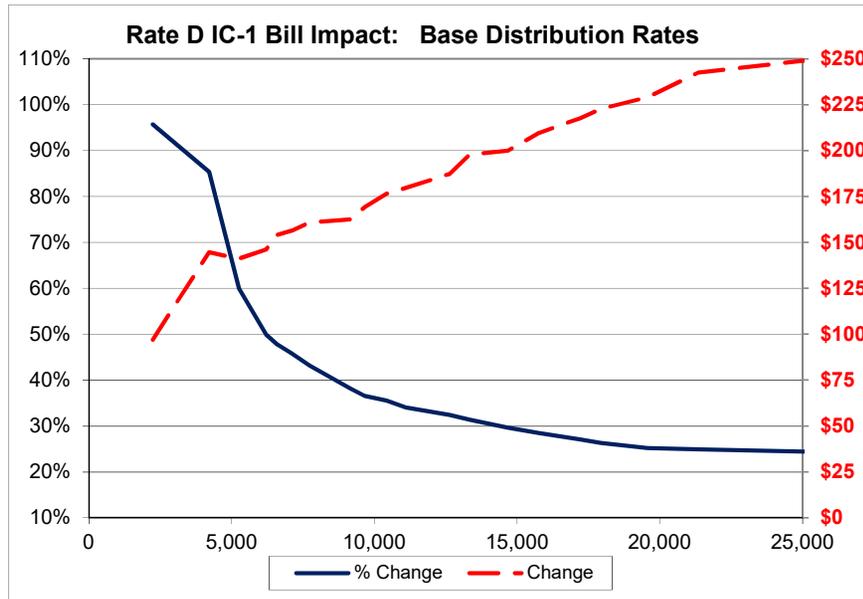
045

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE D : DOMESTIC SERVICE - Interruptible Credits IC-1

D Current Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824
Customer charge	\$11.34
IC-1 Credit	\$6.65
First 250 kWh	\$0.03105
Excess 250 kWh	\$0.04644

D Settlement Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824
Customer charge	\$14.50
IC-1 Credit	\$0.00
First 250 kWh	\$0.04053
Excess 250 kWh	\$0.05262



The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE D : DOMESTIC SERVICE - Interruptible Credits IC-1

Line

D Current Rates		D Settlement Rates	
Energy Services	\$0.07630	Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824	Other Tracking Mechanisms	\$0.01824
Customer charge	\$11.34	Customer charge	\$14.50
IC-1 Credit	\$6.65	IC-1 Credit	\$0.00
First 250 kWh	\$0.03105	First 250 kWh	\$0.04053
Excess 250 kWh	\$0.04644	Excess 250 kWh	\$0.05262

	Annual Use Range (kWh)		Average Annual Bills (Excluding Tracking Mechanisms)				Annual Bills (Including Tracking Mechanisms)				Customers in Ranges		
	Low	High	Current Rates	Proposed Rates	Change	% Change	Current Rates	Proposed Rates	Change	% Change	Number of customers	Cumulative customers	% Cumulative customers
10	0	2,236	\$101.37	\$198.41	\$97.04	95.7%	\$227.96	\$325.00	\$97.04	42.6%	8	8	4.7%
11	2,236	4,215	\$169.33	\$313.94	\$144.61	85.4%	\$489.07	\$633.67	\$144.61	29.6%	9	17	10.0%
12	4,215	5,258	\$235.47	\$376.55	\$141.08	59.9%	\$661.46	\$802.55	\$141.08	21.3%	8	25	14.7%
13	5,258	6,205	\$292.80	\$439.08	\$146.28	50.0%	\$845.42	\$991.70	\$146.28	17.3%	9	34	20.0%
14	6,205	6,610	\$323.05	\$477.23	\$154.18	47.7%	\$930.59	\$1,084.77	\$154.18	16.6%	8	42	24.7%
15	6,610	7,106	\$341.86	\$498.30	\$156.44	45.8%	\$987.00	\$1,143.44	\$156.44	15.9%	9	51	30.0%
16	7,106	7,735	\$372.78	\$533.70	\$160.93	43.2%	\$1,079.88	\$1,240.80	\$160.93	14.9%	8	59	34.7%
17	7,735	9,155	\$426.09	\$588.59	\$162.49	38.1%	\$1,243.00	\$1,405.50	\$162.49	13.1%	9	68	40.0%
18	9,155	9,645	\$462.99	\$632.16	\$169.17	36.5%	\$1,352.09	\$1,521.26	\$169.17	12.5%	8	76	44.7%
19	9,645	10,431	\$496.80	\$673.29	\$176.49	35.5%	\$1,447.46	\$1,623.95	\$176.49	12.2%	9	85	50.0%
20	10,431	11,130	\$528.40	\$708.18	\$179.77	34.0%	\$1,550.62	\$1,730.39	\$179.77	11.6%	8	93	54.7%
21	11,130	12,637	\$578.84	\$766.22	\$187.38	32.4%	\$1,698.85	\$1,886.24	\$187.38	11.0%	9	102	60.0%
22	12,637	13,342	\$631.23	\$829.19	\$197.96	31.4%	\$1,857.16	\$2,055.12	\$197.96	10.7%	8	110	64.7%
23	13,342	14,678	\$675.75	\$875.77	\$200.03	29.6%	\$1,994.89	\$2,194.91	\$200.03	10.0%	9	119	70.0%
24	14,678	15,765	\$737.51	\$947.14	\$209.63	28.4%	\$2,175.11	\$2,384.74	\$209.63	9.6%	8	127	74.7%
25	15,765	17,212	\$804.63	\$1,022.23	\$217.60	27.0%	\$2,384.43	\$2,602.04	\$217.60	9.1%	9	136	80.0%
26	17,212	17,930	\$846.77	\$1,069.42	\$222.66	26.3%	\$2,512.96	\$2,735.62	\$222.66	8.9%	8	144	84.7%
27	17,930	19,570	\$910.13	\$1,139.22	\$229.09	25.2%	\$2,704.88	\$2,933.97	\$229.09	8.5%	9	153	90.0%
28	19,570	21,342	\$974.08	\$1,216.53	\$242.46	24.9%	\$2,897.98	\$3,140.43	\$242.46	8.4%	8	161	94.7%
29	21,342	41,633	\$1,254.58	\$1,533.03	\$278.45	22.2%	\$3,751.84	\$4,030.29	\$278.45	7.4%	9	170	100.0%

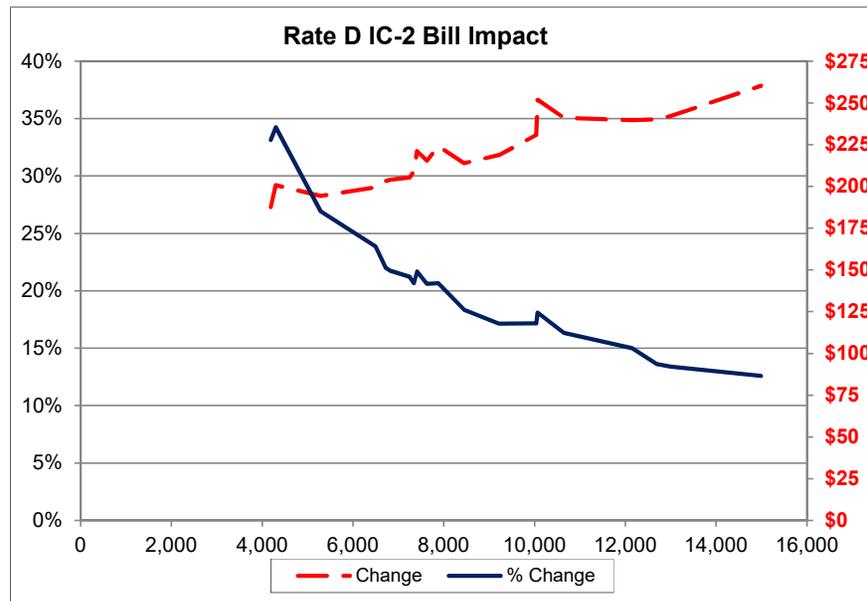
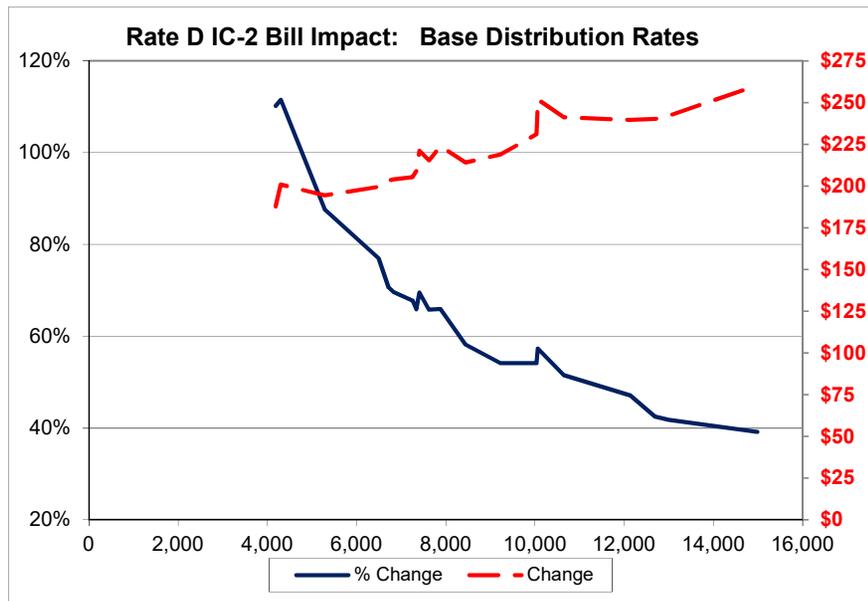
047

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE D : DOMESTIC SERVICE - Interruptible Credits IC-2

D Current Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824
Customer charge	\$11.34
IC-2 Credit	\$9.50
First 250 kWh	\$0.03105
Excess 250 kWh	\$0.04644

D Settlement Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824
Customer charge	\$14.50
IC-2 Credit	\$0.00
First 250 kWh	\$0.04053
Excess 250 kWh	\$0.05262



The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE D : DOMESTIC SERVICE - Interruptible Credits IC-2

Line
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D Current Rates		D Settlement Rates	
Energy Services	\$0.07630	Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824	Other Tracking Mechanisms	\$0.01824
Customer charge	\$11.34	Customer charge	\$14.50
IC-2 Credit	\$9.50	IC-2 Credit	\$0.00
First 250 kWh	\$0.03105	First 250 kWh	\$0.04053
Excess 250 kWh	\$0.04644	Excess 250 kWh	\$0.05262

	Annual Use Range (kWh)		Average Annual Bills (Excluding Tracking Mechanisms)				Annual Bills (Including Tracking Mechanisms)				Customers in Ranges		
	Low	High	Current Rates	Proposed Rates	Change	% Change	Current Rates	Proposed Rates	Change	% Change	Number of customers	Cumulative customers	% Cumulative customers
10	0	4,187	\$170.36	\$358.05	\$187.69	110.2%	\$566.19	\$753.89	\$187.69	33.1%	1	1	3.8%
11	4,187	4,297	\$180.15	\$381.02	\$200.87	111.5%	\$586.38	\$787.25	\$200.87	34.3%	1	2	7.7%
12	4,297	5,285	\$221.86	\$416.23	\$194.37	87.6%	\$721.50	\$915.87	\$194.37	26.9%	1	3	11.5%
13	5,285	6,493	\$259.22	\$458.74	\$199.53	77.0%	\$835.96	\$1,035.48	\$199.53	23.9%	2	5	19.2%
14	6,493	6,718	\$287.88	\$491.22	\$203.34	70.6%	\$923.00	\$1,126.34	\$203.34	22.0%	1	6	23.1%
15	6,718	6,824	\$292.81	\$496.80	\$203.99	69.7%	\$937.95	\$1,141.94	\$203.99	21.7%	1	7	26.9%
16	6,824	7,250	\$302.74	\$508.04	\$205.31	67.8%	\$968.06	\$1,173.37	\$205.31	21.2%	2	9	34.6%
17	7,250	7,341	\$317.44	\$526.42	\$208.99	65.8%	\$1,011.45	\$1,220.44	\$208.99	20.7%	1	10	38.5%
18	7,341	7,413	\$318.16	\$539.28	\$221.12	69.5%	\$1,018.99	\$1,240.11	\$221.12	21.7%	1	11	42.3%
19	7,413	7,624	\$327.49	\$542.94	\$215.45	65.8%	\$1,045.05	\$1,260.50	\$215.45	20.6%	2	13	50.0%
20	7,624	7,877	\$339.70	\$563.69	\$223.99	65.9%	\$1,084.39	\$1,308.38	\$223.99	20.7%	1	14	53.8%
21	7,877	8,444	\$368.05	\$582.05	\$214.00	58.1%	\$1,166.34	\$1,380.35	\$214.00	18.3%	1	15	57.7%
22	8,444	9,224	\$404.28	\$623.10	\$218.82	54.1%	\$1,276.32	\$1,495.14	\$218.82	17.1%	1	16	61.5%
23	9,224	10,036	\$426.57	\$657.51	\$230.94	54.1%	\$1,345.36	\$1,576.30	\$230.94	17.2%	2	18	69.2%
24	10,036	10,064	\$439.40	\$691.22	\$251.82	57.3%	\$1,390.85	\$1,642.67	\$251.82	18.1%	1	19	73.1%
25	10,064	10,645	\$468.26	\$709.35	\$241.10	51.5%	\$1,474.63	\$1,715.73	\$241.10	16.3%	1	20	76.9%
26	10,645	12,149	\$509.17	\$748.84	\$239.66	47.1%	\$1,596.81	\$1,836.47	\$239.66	15.0%	2	22	84.6%
27	12,149	12,696	\$565.53	\$805.80	\$240.28	42.5%	\$1,765.81	\$2,006.08	\$240.28	13.6%	1	23	88.5%
28	12,696	12,996	\$579.44	\$821.58	\$242.14	41.8%	\$1,808.09	\$2,050.22	\$242.14	13.4%	1	24	92.3%
29	12,996	14,985	\$664.49	\$924.82	\$260.33	39.2%	\$2,068.32	\$2,328.65	\$260.33	12.6%	2	26	100.0%

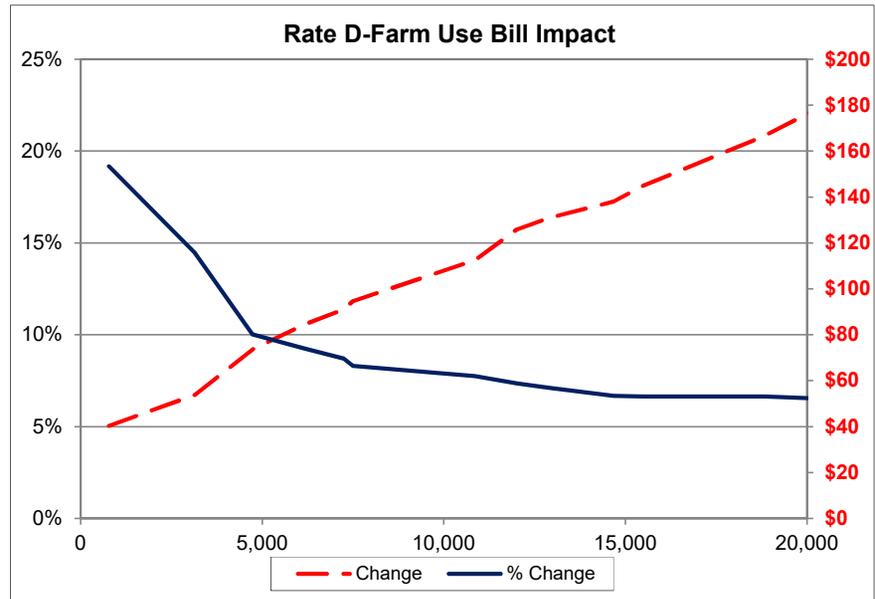
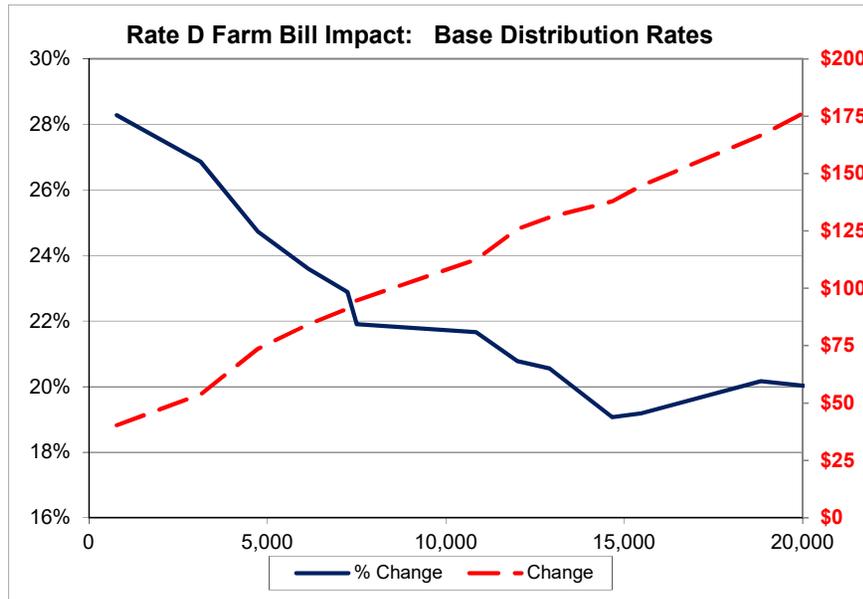
049

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE D : DOMESTIC SERVICE - Farm Use

D Current Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824
Customer charge	\$11.34
Farm Use	\$0.03875
First 250 kWh	\$0.03105
Excess 250 kWh	\$0.04644

D Settlement Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824
Customer charge	\$14.50
Farm Use	\$0.04567
First 250 kWh	\$0.04053
Excess 250 kWh	\$0.05262



The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE D : DOMESTIC SERVICE - Farm Use

Line

D Current Rates		D Settlement Rates	
Energy Services	\$0.07630	Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01824	Other Tracking Mechanisms	\$0.01824
Customer charge	\$11.34	Customer charge	\$14.50
Farm Use	\$0.03875	Farm Use	\$0.04567
First 250 kWh	\$0.03105	First 250 kWh	\$0.04053
Excess 250 kWh	\$0.04644	Excess 250 kWh	\$0.05262

	Annual Use Range (kWh)		Average Annual Bills (Excluding Tracking Mechanisms)				Annual Bills (Including Tracking Mechanisms)				Customers in Ranges		
	Low	High	Current Rates	Proposed Rates	Change	% Change	Current Rates	Proposed Rates	Change	% Change	Number of customers	Cumulative customers	% Cumulative customers
10	0	777	\$142.67	\$183.02	\$40.35	28.3%	\$210.50	\$250.85	\$40.35	19.2%	2	2	3.6%
11	777	3,136	\$200.56	\$254.44	\$53.87	26.9%	\$372.34	\$426.21	\$53.87	14.5%	3	5	8.9%
12	3,136	4,734	\$297.66	\$371.28	\$73.63	24.7%	\$735.41	\$809.04	\$73.63	10.0%	3	8	14.3%
13	4,734	6,148	\$357.76	\$442.17	\$84.41	23.6%	\$911.39	\$995.80	\$84.41	9.3%	3	11	19.6%
14	6,148	7,245	\$398.38	\$489.54	\$91.15	22.9%	\$1,047.78	\$1,138.93	\$91.15	8.7%	3	14	25.0%
15	7,245	7,503	\$432.51	\$527.26	\$94.75	21.9%	\$1,141.23	\$1,235.98	\$94.75	8.3%	2	16	28.6%
16	7,503	10,853	\$519.34	\$631.81	\$112.48	21.7%	\$1,450.81	\$1,563.28	\$112.48	7.8%	3	19	33.9%
17	10,853	12,011	\$605.85	\$731.76	\$125.90	20.8%	\$1,711.94	\$1,837.84	\$125.90	7.4%	3	22	39.3%
18	12,011	12,910	\$637.07	\$768.05	\$130.97	20.6%	\$1,842.74	\$1,973.71	\$130.97	7.1%	3	25	44.6%
19	12,910	14,667	\$723.45	\$861.40	\$137.95	19.1%	\$2,067.46	\$2,205.41	\$137.95	6.7%	3	28	50.0%
20	14,667	15,476	\$754.36	\$899.11	\$144.75	19.2%	\$2,182.58	\$2,327.33	\$144.75	6.6%	2	30	53.6%
21	15,476	18,829	\$826.55	\$993.24	\$166.69	20.2%	\$2,511.19	\$2,677.88	\$166.69	6.6%	3	33	58.9%
22	18,829	20,849	\$918.32	\$1,101.40	\$183.08	19.9%	\$2,826.86	\$3,009.94	\$183.08	6.5%	3	36	64.3%
23	20,849	23,657	\$1,071.09	\$1,267.07	\$195.98	18.3%	\$3,225.91	\$3,421.89	\$195.98	6.1%	3	39	69.6%
24	23,657	25,360	\$1,096.40	\$1,301.76	\$205.36	18.7%	\$3,438.44	\$3,643.80	\$205.36	6.0%	2	41	73.2%
25	25,360	26,600	\$1,175.70	\$1,396.65	\$220.96	18.8%	\$3,640.42	\$3,861.38	\$220.96	6.1%	3	44	78.6%
26	26,600	37,141	\$1,464.24	\$1,736.91	\$272.67	18.6%	\$4,648.47	\$4,921.14	\$272.67	5.9%	3	47	83.9%
27	37,141	44,811	\$1,842.99	\$2,183.45	\$340.46	18.5%	\$5,938.68	\$6,279.14	\$340.46	5.7%	3	50	89.3%
28	44,811	74,429	\$2,771.88	\$3,274.16	\$502.28	18.1%	\$9,076.22	\$9,578.50	\$502.28	5.5%	3	53	94.6%
29	74,429	176,161	\$6,291.19	\$7,416.85	\$1,125.66	17.9%	\$21,158.05	\$22,283.71	\$1,125.66	5.3%	3	56	100.0%

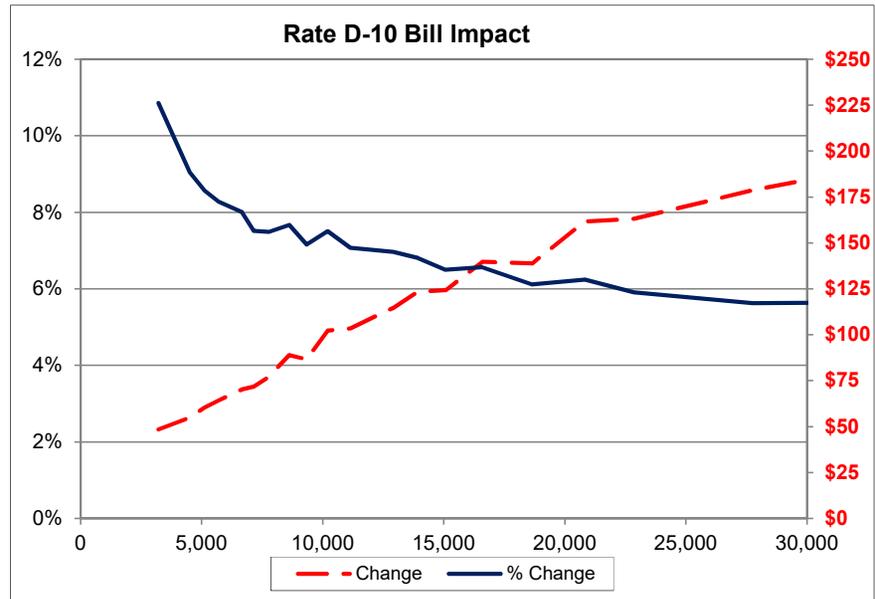
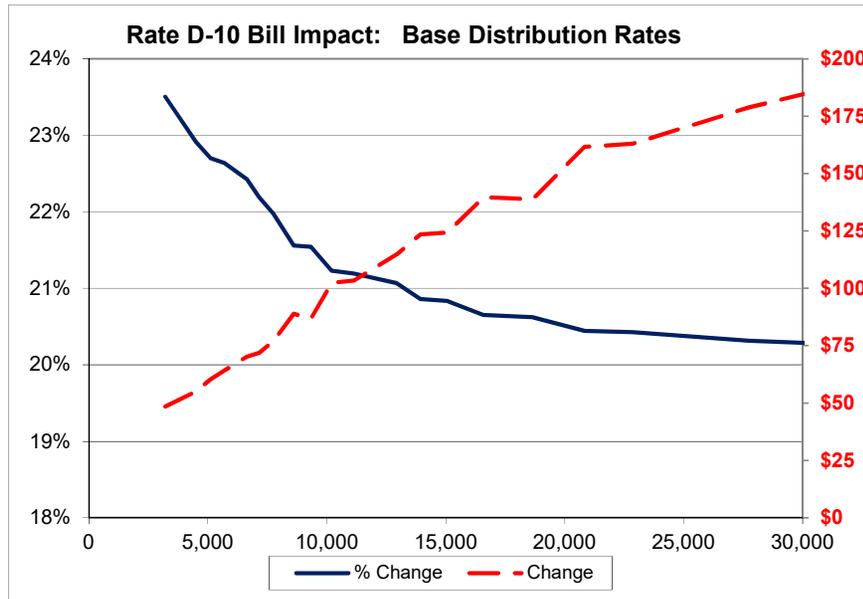
051

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE D-10 : DOMESTIC SERVICE Optional Peak Load Pricing

D-10 Current Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01448
Customer charge	\$11.49
Peak kWh	\$0.08718
Off Peak kWh	\$0.00122

D-10 Settlement Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01448
Customer charge	\$14.50
Peak kWh	\$0.10396
Off Peak kWh	\$0.00145



The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE D-10 : DOMESTIC SERVICE Optional Peak Load Pricing

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D-10 Current Rates		D-10 Settlement Rates	
Energy Services	\$0.07630	Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01448	Other Tracking Mechanisms	\$0.01448
Customer charge	\$11.49	Customer charge	\$14.50
Peak kWh	\$0.08718	Peak kWh	\$0.10396
Off Peak kWh	\$0.00122	Off Peak kWh	\$0.00145

	Annual Use Range (kWh)		Average Annual Bills (Excluding Tracking Mechanisms)				Annual Bills (Including Tracking Mechanisms)				Customers in Ranges		
	Low	High	Current Rates	Proposed Rates	Change	% Change	Current Rates	Proposed Rates	Change	% Change	Number of customers	Cumulative customers	% Cumulative customers
10	0	3,211	\$206.26	\$254.74	\$48.48	23.5%	\$446.55	\$495.03	\$48.48	10.9%	21	21	4.8%
11	3,211	4,500	\$240.21	\$295.24	\$55.03	22.9%	\$608.04	\$663.07	\$55.03	9.1%	22	43	9.8%
12	4,500	5,112	\$265.99	\$326.38	\$60.38	22.7%	\$704.35	\$764.74	\$60.38	8.6%	23	66	15.1%
13	5,112	5,682	\$283.01	\$347.09	\$64.08	22.6%	\$772.92	\$837.00	\$64.08	8.3%	21	87	19.9%
14	5,682	6,646	\$313.02	\$383.21	\$70.19	22.4%	\$876.38	\$946.57	\$70.19	8.0%	22	109	24.9%
15	6,646	7,150	\$323.63	\$395.46	\$71.82	22.2%	\$956.07	\$1,027.90	\$71.82	7.5%	22	131	30.0%
16	7,150	7,757	\$350.36	\$427.35	\$76.99	22.0%	\$1,028.21	\$1,105.20	\$76.99	7.5%	21	152	34.8%
17	7,757	8,610	\$412.80	\$501.79	\$88.99	21.6%	\$1,159.38	\$1,248.38	\$88.99	7.7%	22	174	39.8%
18	8,610	9,329	\$402.56	\$489.28	\$86.72	21.5%	\$1,211.30	\$1,298.02	\$86.72	7.2%	22	196	44.9%
19	9,329	10,202	\$482.05	\$584.39	\$102.34	21.2%	\$1,363.07	\$1,465.42	\$102.34	7.5%	22	218	49.9%
20	10,202	11,132	\$487.96	\$591.37	\$103.41	21.2%	\$1,461.72	\$1,565.13	\$103.41	7.1%	22	240	54.9%
21	11,132	12,925	\$544.57	\$659.29	\$114.72	21.1%	\$1,646.72	\$1,761.44	\$114.72	7.0%	22	262	60.0%
22	12,925	13,939	\$591.67	\$715.10	\$123.43	20.9%	\$1,813.56	\$1,936.99	\$123.43	6.8%	22	284	65.0%
23	13,939	15,074	\$596.84	\$721.19	\$124.34	20.8%	\$1,913.84	\$2,038.18	\$124.34	6.5%	21	305	69.8%
24	15,074	16,592	\$676.40	\$816.09	\$139.69	20.7%	\$2,127.79	\$2,267.48	\$139.69	6.6%	22	327	74.8%
25	16,592	18,646	\$672.99	\$811.76	\$138.78	20.6%	\$2,269.12	\$2,407.90	\$138.78	6.1%	22	349	79.9%
26	18,646	20,834	\$790.84	\$952.50	\$161.66	20.4%	\$2,588.76	\$2,750.42	\$161.66	6.2%	22	371	84.9%
27	20,834	22,860	\$798.32	\$961.39	\$163.06	20.4%	\$2,758.95	\$2,922.01	\$163.06	5.9%	22	393	89.9%
28	22,860	27,755	\$880.07	\$1,058.85	\$178.78	20.3%	\$3,176.98	\$3,355.76	\$178.78	5.6%	22	415	95.0%
29	27,755	50,045	\$1,171.24	\$1,406.07	\$234.84	20.1%	\$4,110.09	\$4,344.93	\$234.84	5.7%	22	437	100.0%

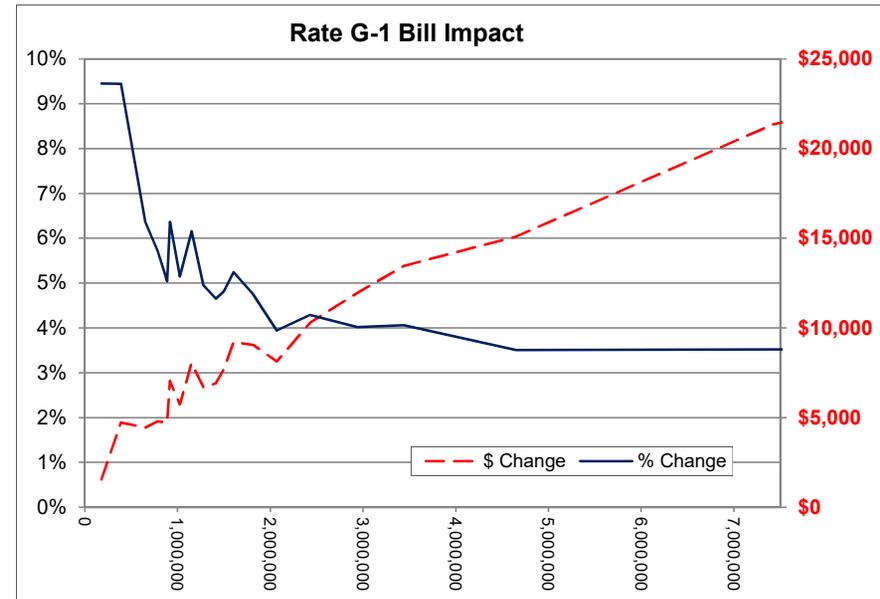
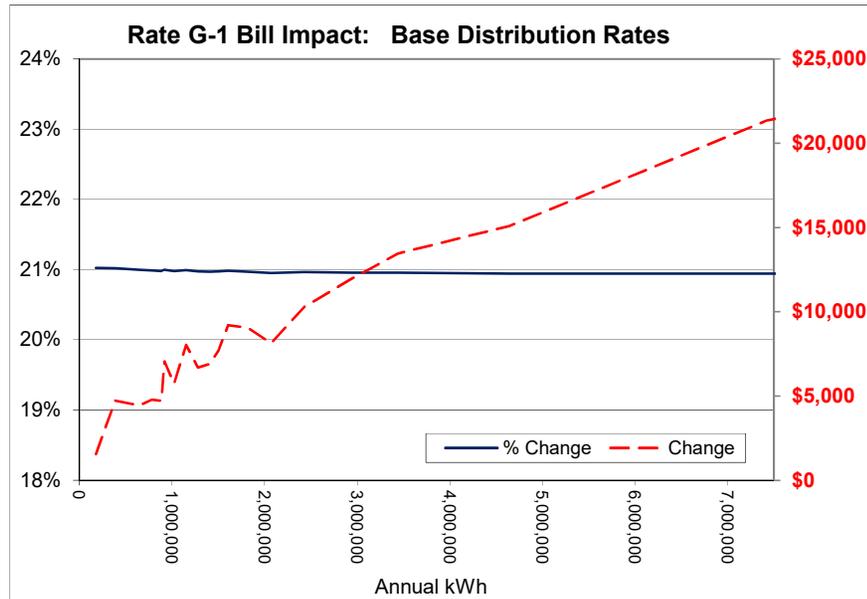
053

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE G-1: GENERAL SERVICE TIME-OF-USE

G-1 Current Rates	
Energy Services	\$0.07156
Other Tracking Mechanisms	\$0.01334
Customer charge	\$311.97
Demand Charge	\$6.65
Peak kWh	\$0.00430
Off Peak kWh	\$0.00130

G-1 Settlement Rates	
Energy Services	\$0.07156
Other Tracking Mechanisms	\$0.01334
Customer charge	\$377.63
Demand Charge	\$8.05
Peak kWh	\$0.00518
Off Peak kWh	\$0.00156



The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE G-1: GENERAL SERVICE TIME-OF-USE

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G-1 Current Rates		G-1 Settlement Rates	
Energy Services	\$0.07156	Energy Services	\$0.07156
Other Tracking Mechanisms	\$0.01334	Other Tracking Mechanisms	\$0.01334
Customer charge	\$311.97	Customer charge	\$377.63
Demand charge	\$6.65	Demand charge	\$8.05
Peak kWh	\$0.00430	Peak kWh	\$0.00518
Off Peak kWh	\$0.00130	Off Peak kWh	\$0.00156

	Annual Use Range		Average Annual Bills (Excluding Tracking)				Annual Bills (Including Tracking Mechanisms)				Customers in Ranges			Average \$ per kWh		
	Low	High	Current Rates	Proposed Rates	Change	% Change	Current Rates	Proposed Rates	\$ Change	% Change	Number of customers	Cumulative customers	% Cumulative customers	Average Annual kWh	Current Rates	Proposed Rates
10	0	179,600	\$7,397	\$8,952	\$1,555	21.0%	\$16,453	\$18,008	\$1,555	9.5%	6	6	4.4%	92,072	\$0.0803	\$0.0972
11	179,600	388,800	\$22,513	\$27,246	\$4,733	21.0%	\$50,076	\$54,808	\$4,733	9.5%	7	13	9.6%	294,757	\$0.0764	\$0.0924
12	388,800	648,800	\$21,174	\$25,620	\$4,446	21.0%	\$69,689	\$74,135	\$4,446	6.4%	7	20	14.8%	534,299	\$0.0396	\$0.0480
13	648,800	786,001	\$22,843	\$27,638	\$4,794	21.0%	\$83,978	\$88,773	\$4,794	5.7%	7	27	20.0%	700,483	\$0.0326	\$0.0395
14	786,001	886,000	\$22,469	\$27,183	\$4,714	21.0%	\$93,433	\$98,147	\$4,714	5.0%	6	33	24.4%	819,180	\$0.0274	\$0.0332
15	886,000	918,400	\$33,563	\$40,611	\$7,048	21.0%	\$110,725	\$117,773	\$7,048	6.4%	7	40	29.6%	904,229	\$0.0371	\$0.0449
16	918,400	1,022,760	\$27,320	\$33,052	\$5,732	21.0%	\$111,284	\$117,016	\$5,732	5.2%	7	47	34.8%	974,071	\$0.0280	\$0.0339
17	1,022,760	1,151,800	\$38,314	\$46,357	\$8,043	21.0%	\$130,601	\$138,644	\$8,043	6.2%	7	54	40.0%	1,068,571	\$0.0359	\$0.0434
18	1,151,800	1,279,052	\$31,888	\$38,577	\$6,689	21.0%	\$135,069	\$141,759	\$6,689	5.0%	6	60	44.4%	1,194,123	\$0.0267	\$0.0323
19	1,279,052	1,411,500	\$32,964	\$39,878	\$6,914	21.0%	\$148,634	\$155,548	\$6,914	4.7%	7	67	49.6%	1,343,507	\$0.0245	\$0.0297
20	1,411,500	1,502,400	\$36,793	\$44,510	\$7,718	21.0%	\$160,068	\$167,786	\$7,718	4.8%	7	74	54.8%	1,439,021	\$0.0256	\$0.0309
21	1,502,400	1,605,000	\$43,932	\$53,150	\$9,219	21.0%	\$175,816	\$185,034	\$9,219	5.2%	7	81	60.0%	1,538,746	\$0.0286	\$0.0345
22	1,605,000	1,817,400	\$43,205	\$52,266	\$9,061	21.0%	\$190,936	\$199,997	\$9,061	4.7%	6	87	64.4%	1,704,658	\$0.0253	\$0.0307
23	1,817,400	2,071,602	\$38,780	\$46,907	\$8,127	21.0%	\$206,261	\$214,388	\$8,127	3.9%	7	94	69.6%	1,936,379	\$0.0200	\$0.0242
24	2,071,602	2,431,200	\$49,152	\$59,457	\$10,305	21.0%	\$240,319	\$250,625	\$10,305	4.3%	7	101	74.8%	2,200,308	\$0.0223	\$0.0270
25	2,431,200	2,937,000	\$56,989	\$68,933	\$11,944	21.0%	\$296,892	\$308,836	\$11,944	4.0%	7	108	80.0%	2,753,450	\$0.0207	\$0.0250
26	2,937,000	3,440,000	\$64,240	\$77,704	\$13,465	21.0%	\$331,419	\$344,883	\$13,465	4.1%	6	114	84.4%	3,063,150	\$0.0210	\$0.0254
27	3,440,000	4,649,250	\$72,122	\$87,227	\$15,105	20.9%	\$430,292	\$445,397	\$15,105	3.5%	7	121	89.6%	4,045,972	\$0.0178	\$0.0216
28	4,649,250	7,425,300	\$101,978	\$123,335	\$21,358	20.9%	\$606,467	\$627,824	\$21,358	3.5%	7	128	94.8%	5,545,579	\$0.0184	\$0.0222
29	7,425,300	57,770,066	\$374,019	\$452,362	\$78,343	20.9%	\$2,186,047	\$2,264,390	\$78,343	3.6%	7	135	100.0%	14,150,979	\$0.0264	\$0.0320

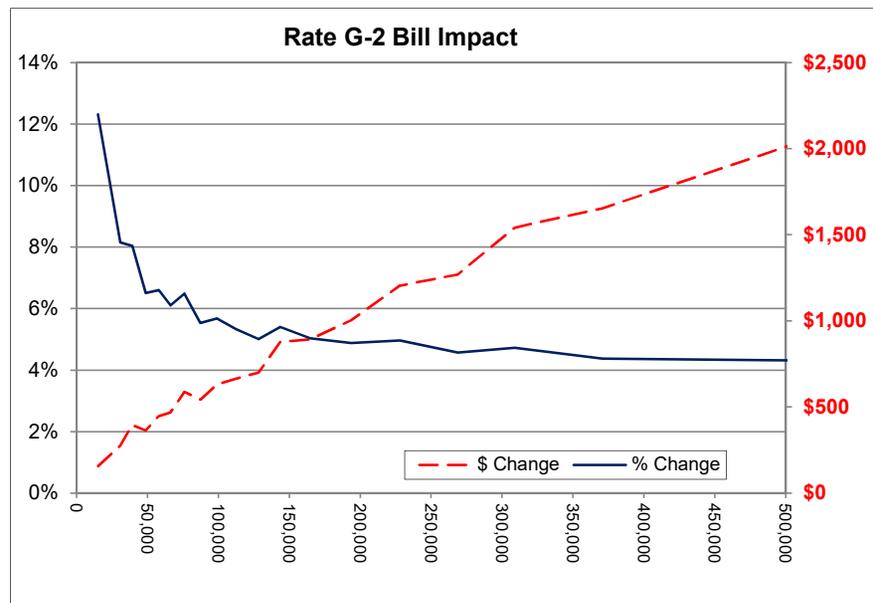
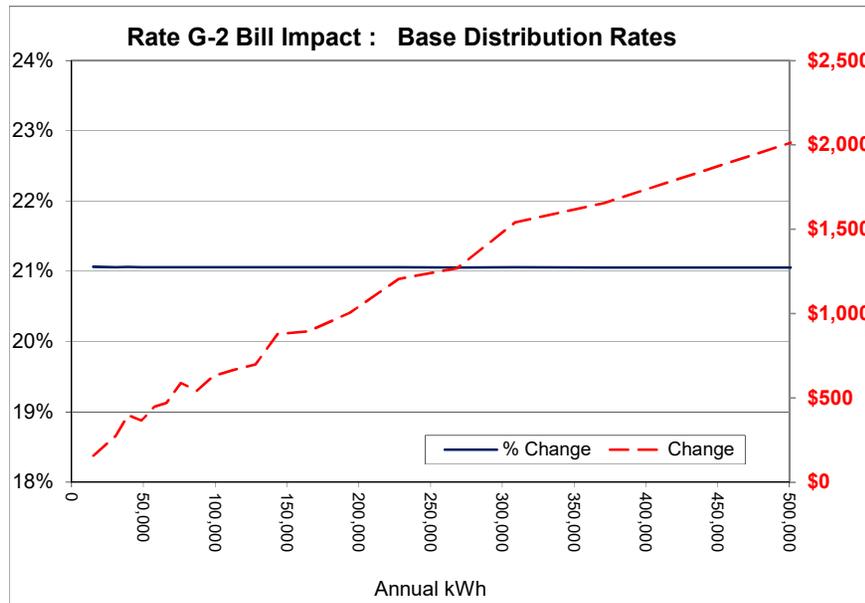
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The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE G-2: GENERAL LONG HOUR SERVICE

G-2 Current Rates	
Energy Services	\$0.07156
Other Tracking Mechanisms	\$0.01651
Customer charge	\$52.02
Demand Charge	\$6.69
kWh Charge	\$0.00168

G-2 Settlement Rates	
Energy Services	\$0.07156
Other Tracking Mechanisms	\$0.01651
Customer charge	\$62.97
Demand Charge	\$8.10
kWh Charge	\$0.00203



The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE G-2: GENERAL LONG HOUR SERVICE

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G-2 Current Rates		G-2 Settlement Rates	
Energy Services	\$0.07156	Energy Services	\$0.07156
Other Tracking Mechanisms	\$0.01651	Other Tracking Mechanisms	\$0.01651
Customer charge	\$52.02	Customer charge	\$62.97
Demand charge	\$6.69	Demand charge	\$8.10
kWh Charge	\$0.00168	kWh Charge	\$0.00203

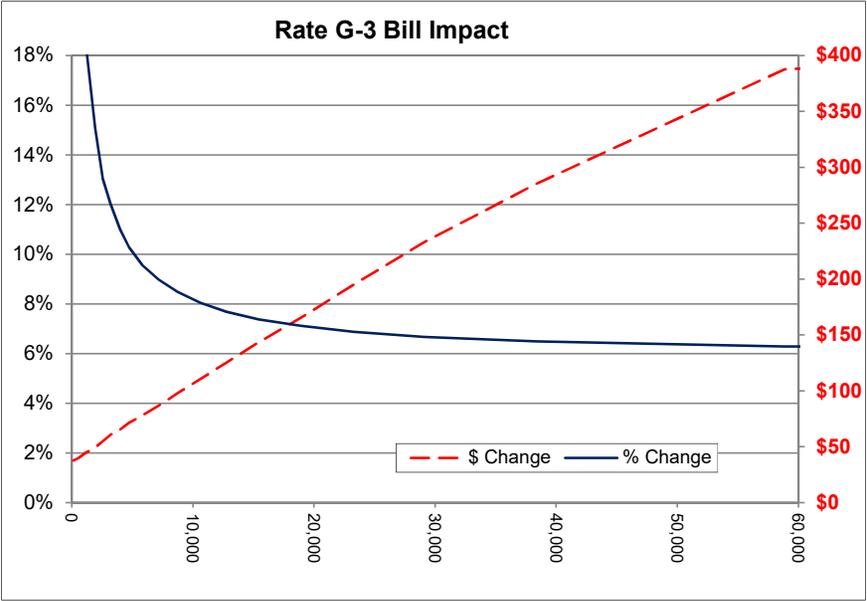
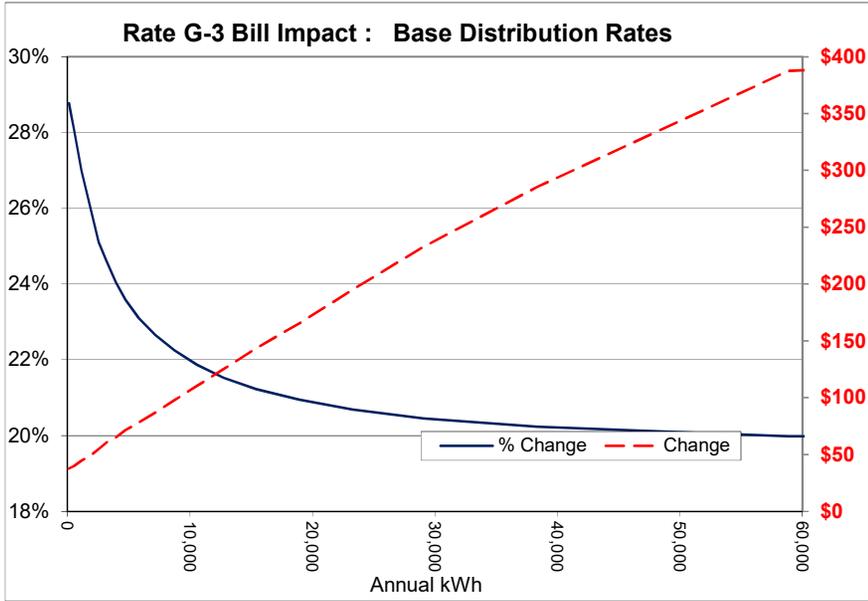
	Annual Use Range		Average Annual Bills (Excluding Tracking)				Annual Bills (Including Tracking Mechanisms)				Customers in Ranges			Average Annual kWh	Average \$ per kWh	
	Low	High	Current Rates	Proposed Rates	Change	% Change	Current Rates	Proposed Rates	\$ Change	% Change	Number of customers	Cumulative customers	% Cumulative customers		Current Rates	Proposed Rates
10	0	15,115	\$747	\$904	\$157	21.1%	\$1,278	\$1,435	\$157	12.3%	40	40	4.6%	5,383	\$0.1387	\$0.1679
11	15,115	30,608	\$1,307	\$1,582	\$275	21.1%	\$3,375	\$3,650	\$275	8.2%	43	83	9.6%	23,123	\$0.0565	\$0.0684
12	30,608	39,354	\$1,882	\$2,278	\$396	21.1%	\$4,926	\$5,323	\$396	8.0%	44	127	14.7%	34,373	\$0.0547	\$0.0663
13	39,354	48,640	\$1,729	\$2,094	\$364	21.1%	\$5,591	\$5,956	\$364	6.5%	43	170	19.7%	43,636	\$0.0396	\$0.0480
14	48,640	57,800	\$2,125	\$2,572	\$448	21.1%	\$6,779	\$7,226	\$448	6.6%	43	213	24.7%	52,630	\$0.0404	\$0.0489
15	57,800	66,221	\$2,232	\$2,702	\$470	21.1%	\$7,691	\$8,161	\$470	6.1%	44	257	29.7%	61,796	\$0.0361	\$0.0437
16	66,221	76,021	\$2,788	\$3,375	\$587	21.1%	\$9,044	\$9,631	\$587	6.5%	43	300	34.7%	70,810	\$0.0394	\$0.0477
17	76,021	87,160	\$2,576	\$3,118	\$542	21.1%	\$9,788	\$10,330	\$542	5.5%	43	343	39.7%	81,631	\$0.0316	\$0.0382
18	87,160	98,623	\$2,989	\$3,619	\$630	21.1%	\$11,082	\$11,712	\$630	5.7%	44	387	44.8%	91,633	\$0.0326	\$0.0395
19	98,623	112,400	\$3,158	\$3,823	\$665	21.1%	\$12,476	\$13,142	\$665	5.3%	43	430	49.8%	105,485	\$0.0299	\$0.0362
20	112,400	128,263	\$3,322	\$4,022	\$700	21.1%	\$13,963	\$14,663	\$700	5.0%	43	473	54.7%	120,450	\$0.0276	\$0.0334
21	128,263	143,500	\$4,170	\$5,048	\$878	21.1%	\$16,247	\$17,125	\$878	5.4%	44	517	59.8%	136,790	\$0.0305	\$0.0369
22	143,500	164,475	\$4,240	\$5,133	\$893	21.1%	\$17,724	\$18,617	\$893	5.0%	43	560	64.8%	152,611	\$0.0278	\$0.0336
23	164,475	193,584	\$4,766	\$5,770	\$1,004	21.1%	\$20,556	\$21,560	\$1,004	4.9%	43	603	69.8%	178,615	\$0.0267	\$0.0323
24	193,584	227,880	\$5,725	\$6,930	\$1,206	21.1%	\$24,253	\$25,458	\$1,206	5.0%	44	647	74.9%	209,602	\$0.0273	\$0.0331
25	227,880	268,700	\$6,029	\$7,298	\$1,270	21.1%	\$27,738	\$29,007	\$1,270	4.6%	43	690	79.9%	245,548	\$0.0246	\$0.0297
26	268,700	308,960	\$7,318	\$8,859	\$1,541	21.1%	\$32,567	\$34,108	\$1,541	4.7%	43	733	84.8%	285,758	\$0.0256	\$0.0310
27	308,960	370,800	\$7,860	\$9,515	\$1,655	21.1%	\$37,774	\$39,429	\$1,655	4.4%	44	777	89.9%	338,251	\$0.0232	\$0.0281
28	370,800	537,000	\$10,029	\$12,141	\$2,112	21.1%	\$49,015	\$51,127	\$2,112	4.3%	43	820	94.9%	438,804	\$0.0229	\$0.0277
29	537,000	2,096,600	\$15,490	\$18,752	\$3,261	21.1%	\$87,868	\$91,130	\$3,261	3.7%	44	864	100.0%	786,380	\$0.0197	\$0.0238

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE G-3: GENERAL SERVICE

G-3 Current Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01381
Customer charge	\$11.25
kWh Charge	\$0.03850

G-3 Settlement Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01381
Customer charge	\$14.50
kWh Charge	\$0.04594



The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE G-3: GENERAL SERVICE

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G-3 Current Rates		G-3 Settlement Rates	
Energy Services	\$0.07630	Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01381	Other Tracking Mechanisms	\$0.01381
Customer charge	\$11.25	Customer charge	\$14.50
kWh Charge	\$0.03850	kWh Charge	\$0.04594

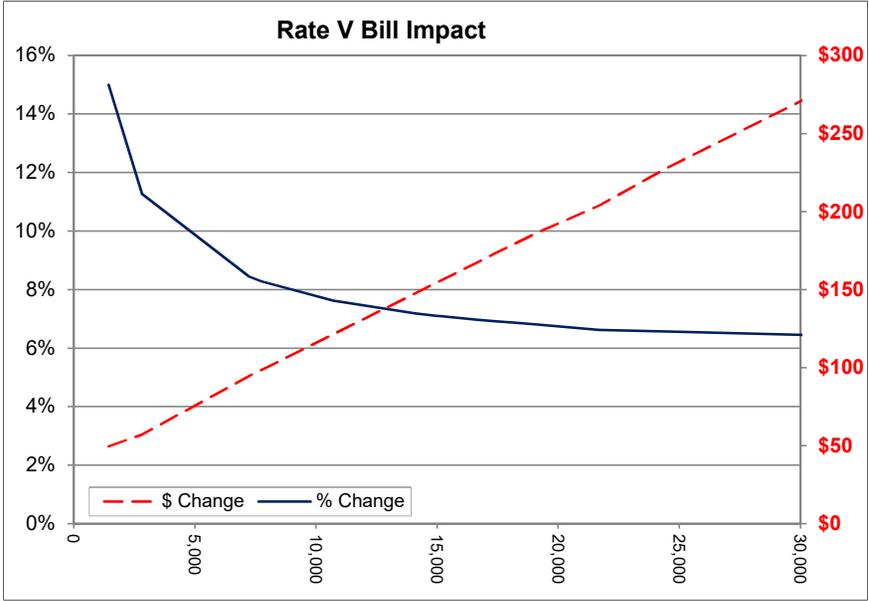
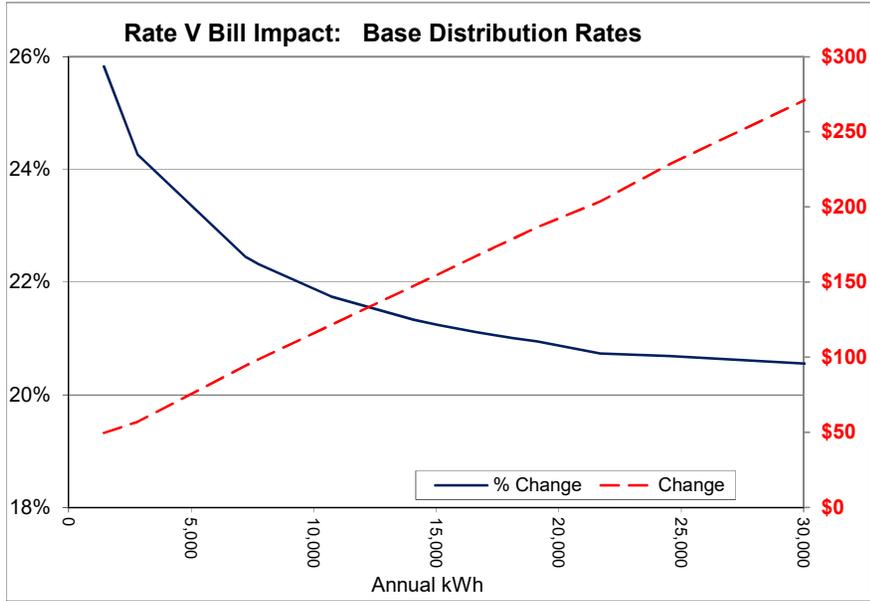
	Annual Use		Average Annual Bills (Excluding Tracking)				Annual Bills (Including Tracking Mechanisms)				Customers in Ranges			Average Annual kWh	Average \$ per kWh	
	Low	High	Current Rates	Proposed Rates	Change	% Change	Current Rates	Proposed Rates	\$ Change	% Change	Number of customers	Cumulative customers	% Cumulative customers		Current Rates	Proposed Rates
10	0	117	\$131	\$169	\$38	28.8%	\$135	\$173	\$38	28.0%	170	170	3.1%	24	\$5.3640	\$6.9073
11	117	537	\$142	\$182	\$40	28.1%	\$170	\$209	\$40	23.5%	277	447	8.2%	304	\$0.4673	\$0.5986
12	537	1,162	\$165	\$210	\$45	27.0%	\$242	\$287	\$45	18.4%	278	725	13.3%	851	\$0.1942	\$0.2466
13	1,162	1,918	\$190	\$240	\$49	25.9%	\$328	\$377	\$49	15.1%	277	1002	18.4%	1,521	\$0.1252	\$0.1577
14	1,918	2,542	\$219	\$274	\$55	25.1%	\$421	\$476	\$55	13.0%	277	1279	23.5%	2,245	\$0.0974	\$0.1218
15	2,542	3,188	\$246	\$307	\$61	24.6%	\$504	\$564	\$61	12.0%	278	1557	28.6%	2,854	\$0.0863	\$0.1076
16	3,188	3,954	\$271	\$336	\$65	24.0%	\$592	\$658	\$65	11.0%	277	1834	33.7%	3,563	\$0.0761	\$0.0944
17	3,954	4,728	\$303	\$374	\$71	23.6%	\$695	\$766	\$71	10.3%	278	2112	38.8%	4,347	\$0.0696	\$0.0860
18	4,728	5,807	\$337	\$415	\$78	23.1%	\$814	\$892	\$78	9.6%	277	2389	43.9%	5,284	\$0.0638	\$0.0786
19	5,807	7,171	\$384	\$471	\$87	22.7%	\$969	\$1,056	\$87	9.0%	277	2666	49.0%	6,487	\$0.0592	\$0.0726
20	7,171	8,731	\$440	\$537	\$98	22.3%	\$1,154	\$1,252	\$98	8.5%	277	2943	54.1%	7,919	\$0.0555	\$0.0679
21	8,731	10,582	\$505	\$616	\$111	21.9%	\$1,373	\$1,484	\$111	8.0%	278	3221	59.2%	9,627	\$0.0525	\$0.0640
22	10,582	12,755	\$582	\$707	\$125	21.5%	\$1,630	\$1,755	\$125	7.7%	277	3498	64.3%	11,622	\$0.0501	\$0.0608
23	12,755	15,424	\$675	\$819	\$143	21.2%	\$1,941	\$2,084	\$143	7.4%	277	3775	69.4%	14,035	\$0.0481	\$0.0583
24	15,424	18,916	\$789	\$955	\$165	21.0%	\$2,322	\$2,487	\$165	7.1%	278	4053	74.5%	16,993	\$0.0464	\$0.0562
25	18,916	23,278	\$943	\$1,138	\$195	20.7%	\$2,835	\$3,031	\$195	6.9%	277	4330	79.6%	20,984	\$0.0450	\$0.0543
26	23,278	29,079	\$1,138	\$1,371	\$233	20.5%	\$3,487	\$3,720	\$233	6.7%	277	4607	84.7%	26,047	\$0.0437	\$0.0526
27	29,079	38,374	\$1,410	\$1,696	\$285	20.2%	\$4,396	\$4,681	\$285	6.5%	278	4885	89.8%	33,098	\$0.0426	\$0.0512
28	38,374	58,853	\$1,939	\$2,326	\$388	20.0%	\$6,161	\$6,549	\$388	6.3%	277	5162	94.9%	46,785	\$0.0414	\$0.0497
29	58,853	951,200	\$4,140	\$4,952	\$813	19.6%	\$13,513	\$14,326	\$813	6.0%	278	5440	100.0%	100,817	\$0.0411	\$0.0491

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE V: LIMITED COMMERCIAL SPACE HEATING

V Current Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.02026
Customer charge	\$11.29
kWh Charge	\$0.03948

V Settlement Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.02026
Customer charge	\$14.50
kWh Charge	\$0.04722



The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE V: LIMITED COMMERCIAL SPACE HEATING

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V Current Rates		V Settlement Rates	
Energy Services	\$0.07630	Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.02026	Other Tracking Mechanisms	\$0.02026
Customer charge	\$11.29	Customer charge	\$14.50
kWh Charge	\$0.03948	kWh Charge	\$0.04722

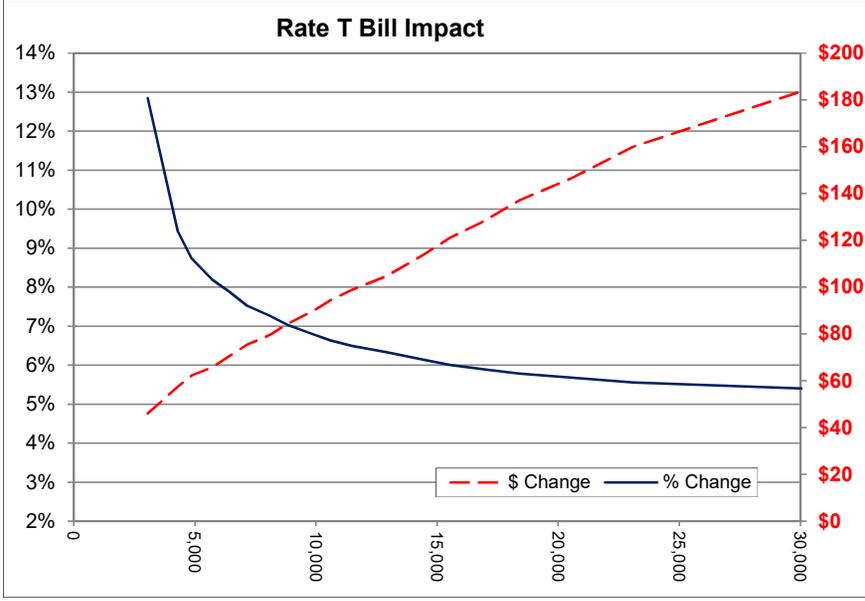
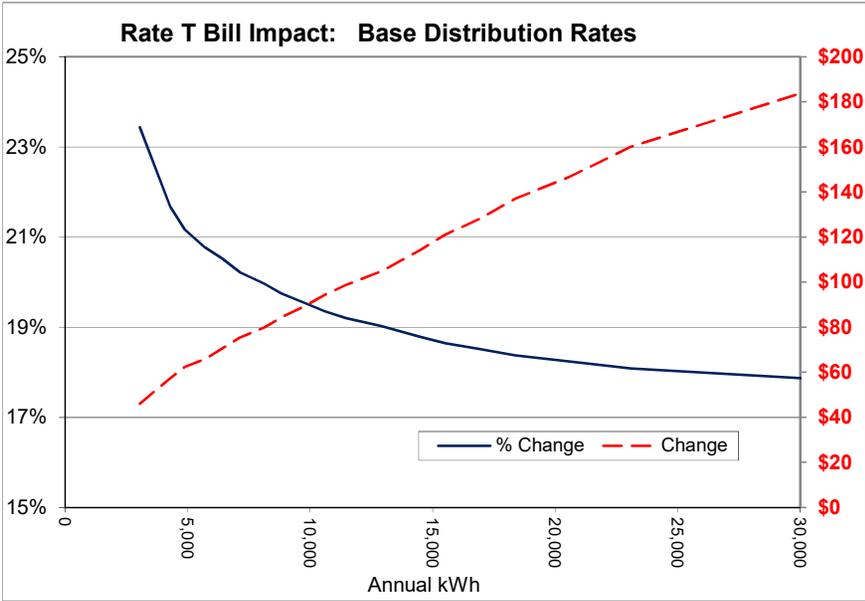
	Annual Use		Average Annual Bills (Excluding Tracking)				Annual Bills (Including Tracking Mechanisms)				Customers in Ranges			Average Annual kWh	Average \$ per kWh	
	Low	High	Current Rates	Proposed Rates	Change	% Change	Current Rates	Proposed Rates	\$ Change	% Change	Number of customers	Cumulative customers	% Cumulative customers		Current Rates	Proposed Rates
10	0	1,437	\$192	\$242	\$50	25.8%	\$331	\$381	\$50	15.0%	1	1	6.3%	1,437	\$0.1338	\$0.1683
11	1,437	2,807	\$235	\$292	\$57	24.3%	\$506	\$563	\$57	11.3%	1	2	12.5%	2,807	\$0.0837	\$0.1040
12	2,807	7,240	\$421	\$516	\$95	22.4%	\$1,120	\$1,215	\$95	8.4%	1	3	18.8%	7,240	\$0.0582	\$0.0713
13	7,240	7,751	\$442	\$540	\$99	22.3%	\$1,190	\$1,289	\$99	8.3%	1	4	25.0%	7,751	\$0.0570	\$0.0697
14	7,751	10,706	\$558	\$680	\$121	21.7%	\$1,592	\$1,713	\$121	7.6%	1	5	31.3%	10,706	\$0.0521	\$0.0635
15	10,706	14,080	\$691	\$839	\$147	21.3%	\$2,051	\$2,198	\$147	7.2%	1	6	37.5%	14,080	\$0.0491	\$0.0596
16	14,080	14,991	\$727	\$882	\$155	21.2%	\$2,175	\$2,329	\$155	7.1%	1	7	43.8%	14,991	\$0.0485	\$0.0588
17	14,991	15,183	\$735	\$891	\$156	21.2%	\$2,201	\$2,357	\$156	7.1%	1	8	50.0%	15,183	\$0.0484	\$0.0587
18	15,183	16,645	\$793	\$960	\$167	21.1%	\$2,400	\$2,567	\$167	7.0%	1	9	56.3%	16,645	\$0.0476	\$0.0577
19	16,645	17,434	\$824	\$998	\$174	21.1%	\$2,508	\$2,681	\$174	6.9%	1	10	62.5%	17,434	\$0.0473	\$0.0572
20	17,434	18,165	\$853	\$1,032	\$179	21.0%	\$2,607	\$2,786	\$179	6.9%	1	11	68.8%	18,165	\$0.0469	\$0.0568
21	18,165	19,125	\$891	\$1,077	\$187	20.9%	\$2,737	\$2,924	\$187	6.8%	1	12	75.0%	19,125	\$0.0466	\$0.0563
22	19,125	21,694	\$983	\$1,186	\$204	20.7%	\$3,077	\$3,281	\$204	6.6%	1	13	81.3%	21,694	\$0.0453	\$0.0547
23	21,694	24,531	\$1,104	\$1,332	\$228	20.7%	\$3,473	\$3,701	\$228	6.6%	1	14	87.5%	24,531	\$0.0450	\$0.0543
24	24,531	41,285	\$1,765	\$2,123	\$358	20.3%	\$5,752	\$6,110	\$358	6.2%	1	15	93.8%	41,285	\$0.0428	\$0.0514
25	41,285	75,040	\$3,098	\$3,717	\$619	20.0%	\$10,344	\$10,963	\$619	6.0%	1	16	100.0%	75,040	\$0.0413	\$0.0495

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE T: LIMITED TOTAL ELECTRICAL LIVING

T Custs w/o IC Credits Current Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01511
Customer charge	\$11.46
kWh Charge	\$0.03429

T Custs w/o IC Credits Settlement Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01511
Customer charge	\$14.50
kWh Charge	\$0.03996



The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE T: LIMITED TOTAL ELECTRICAL LIVING

Line

T Custs w/o IC Credits Current Rates		T Custs w/o IC Credits Settlement Rates	
Energy Services	\$0.07630	Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01511	Other Tracking Mechanisms	\$0.01511
Customer charge	\$11.46	Customer charge	\$14.50
kWh Charge	\$0.03429	kWh Charge	\$0.03996

	Annual Use		Average Annual Bills (Excluding Tracking)				Annual Bills (Including Tracking Mechanisms)				Customers in Ranges			Average \$ per kWh		
	Low	High	Current Rates	Proposed Rates	Change	% Change	Current Rates	Proposed Rates	\$ Change	% Change	Number of customers	Cumulative customers	% Cumulative customers	Average Annual kWh	Current Rates	Proposed Rates
10	0	3,051	\$196	\$242	\$46	23.4%	\$358	\$404	\$46	12.8%	40	40	4.9%	1,615	\$0.1216	\$0.1501
11	3,051	4,285	\$265	\$322	\$57	21.7%	\$608	\$665	\$57	9.4%	41	81	9.9%	3,720	\$0.0712	\$0.0866
12	4,285	4,870	\$294	\$357	\$62	21.2%	\$714	\$776	\$62	8.7%	41	122	15.0%	4,580	\$0.0642	\$0.0778
13	4,870	5,702	\$317	\$382	\$66	20.8%	\$803	\$869	\$66	8.2%	41	163	20.0%	5,297	\$0.0598	\$0.0722
14	5,702	6,409	\$344	\$414	\$70	20.5%	\$894	\$964	\$70	7.9%	41	204	25.0%	6,002	\$0.0572	\$0.0690
15	6,409	7,152	\$373	\$448	\$75	20.2%	\$1,001	\$1,077	\$75	7.5%	40	244	29.9%	6,857	\$0.0544	\$0.0654
16	7,152	8,121	\$399	\$479	\$80	20.0%	\$1,098	\$1,178	\$80	7.3%	41	285	34.9%	7,623	\$0.0524	\$0.0629
17	8,121	8,825	\$427	\$511	\$84	19.7%	\$1,199	\$1,284	\$84	7.0%	41	326	40.0%	8,433	\$0.0506	\$0.0606
18	8,825	9,843	\$459	\$549	\$90	19.5%	\$1,318	\$1,408	\$90	6.8%	43	369	45.2%	9,347	\$0.0491	\$0.0587
19	9,843	10,606	\$488	\$583	\$94	19.4%	\$1,423	\$1,517	\$94	6.6%	39	408	50.0%	10,187	\$0.0479	\$0.0572
20	10,606	11,467	\$514	\$613	\$99	19.2%	\$1,519	\$1,618	\$99	6.5%	40	448	54.9%	10,972	\$0.0469	\$0.0559
21	11,467	12,909	\$551	\$656	\$105	19.0%	\$1,654	\$1,759	\$105	6.3%	41	489	59.9%	12,029	\$0.0458	\$0.0545
22	12,909	14,457	\$606	\$720	\$114	18.8%	\$1,857	\$1,971	\$114	6.1%	41	530	65.0%	13,643	\$0.0444	\$0.0528
23	14,457	15,523	\$650	\$771	\$121	18.6%	\$2,016	\$2,137	\$121	6.0%	41	571	70.0%	14,919	\$0.0436	\$0.0517
24	15,523	16,851	\$690	\$818	\$128	18.5%	\$2,163	\$2,291	\$128	5.9%	41	612	75.0%	16,088	\$0.0429	\$0.0508
25	16,851	18,379	\$745	\$882	\$137	18.4%	\$2,366	\$2,503	\$137	5.8%	40	652	79.9%	17,690	\$0.0421	\$0.0499
26	18,379	20,576	\$804	\$951	\$147	18.2%	\$2,581	\$2,728	\$147	5.7%	41	693	84.9%	19,389	\$0.0415	\$0.0490
27	20,576	23,091	\$885	\$1,045	\$160	18.1%	\$2,877	\$3,038	\$160	5.6%	41	734	90.0%	21,738	\$0.0407	\$0.0481
28	23,091	30,831	\$1,045	\$1,231	\$186	17.9%	\$3,463	\$3,650	\$186	5.4%	41	775	95.0%	26,268	\$0.0398	\$0.0469
29	30,831	661,920	\$3,845	\$4,495	\$650	16.9%	\$13,729	\$14,379	\$650	4.7%	41	816	100.0%	92,735	\$0.0415	\$0.0485

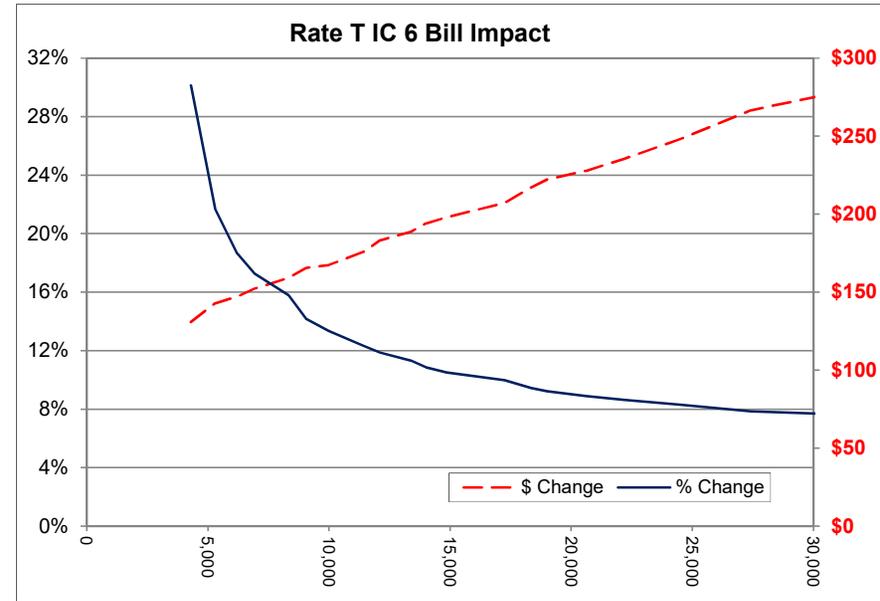
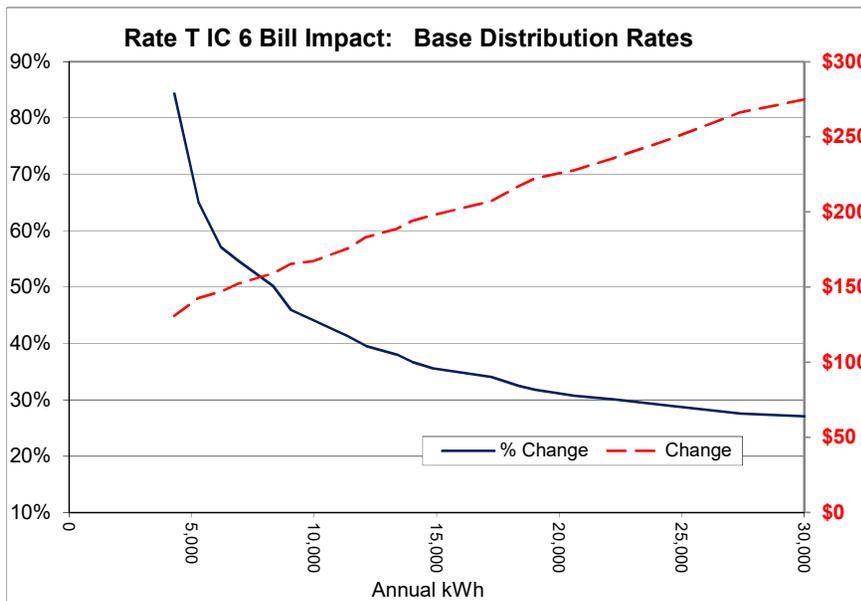
063

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE T: LIMITED TOTAL ELECTRICAL LIVING

T Custs w/ IC 6 Credit Current Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01511
Customer charge	\$11.46
Interruptible credit	-\$6.65
kWh Charge	\$0.03429

T Custs w/ IC 6 Credit Settlement Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01511
Customer charge	\$14.50
Interruptible credit	\$0.00
kWh Charge	\$0.03996



The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE T: LIMITED TOTAL ELECTRICAL LIVING

Line
 1
 2
 3
 4
 5
 6
 7
 8
 9

T Custs w/ IC 6 Credit Current Rates		T Custs w/ IC 6 Credit Settlement Rates	
Energy Services	\$0.07630	Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01511	Other Tracking Mechanisms	\$0.01511
Customer charge	\$11.46	Customer charge	\$14.50
Interruptible credit	-\$6.65	Interruptible credit	\$0.00
kWh Charge	\$0.03429	kWh Charge	\$0.03996

	Annual Use		Average Annual Bills (Excluding Tracking)				Annual Bills (Including Tracking Mechanisms)				Customers in Ranges			Average \$ per kWh		
	Low	High	Current Rates	Proposed Rates	Change	% Change	Current Rates	Proposed Rates	\$ Change	% Change	Number of customers	Cumulative customers	% Cumulative customers	Average Annual kWh	Current Rates	Proposed Rates
10	0	4,293	\$155	\$286	\$131	84.3%	\$434	\$565	\$131	30.1%	11	11	4.9%	174	\$0.8898	\$1.6403
11	4,293	5,292	\$220	\$363	\$143	65.0%	\$658	\$801	\$143	21.7%	11	22	9.8%	4,703	\$0.0467	\$0.0771
12	5,292	6,203	\$258	\$405	\$147	57.1%	\$789	\$936	\$147	18.7%	11	33	14.7%	5,726	\$0.0450	\$0.0707
13	6,203	6,920	\$279	\$431	\$152	54.6%	\$882	\$1,035	\$152	17.3%	11	44	19.6%	6,535	\$0.0427	\$0.0660
14	6,920	8,326	\$317	\$476	\$159	50.2%	\$1,008	\$1,167	\$159	15.8%	11	55	24.6%	7,433	\$0.0426	\$0.0641
15	8,326	9,052	\$360	\$526	\$166	46.0%	\$1,168	\$1,333	\$166	14.2%	12	67	29.9%	8,772	\$0.0411	\$0.0599
16	9,052	9,989	\$380	\$548	\$167	44.1%	\$1,255	\$1,422	\$167	13.3%	11	78	34.8%	9,483	\$0.0401	\$0.0577
17	9,989	11,401	\$426	\$602	\$176	41.3%	\$1,424	\$1,600	\$176	12.3%	11	89	39.7%	10,787	\$0.0395	\$0.0558
18	11,401	12,116	\$463	\$646	\$183	39.6%	\$1,544	\$1,727	\$183	11.9%	11	100	44.6%	11,759	\$0.0394	\$0.0550
19	12,116	13,386	\$496	\$685	\$189	38.0%	\$1,666	\$1,855	\$189	11.3%	11	111	49.6%	12,681	\$0.0391	\$0.0540
20	13,386	14,000	\$529	\$723	\$194	36.7%	\$1,786	\$1,980	\$194	10.9%	12	123	54.9%	13,696	\$0.0386	\$0.0528
21	14,000	14,855	\$556	\$754	\$198	35.6%	\$1,882	\$2,080	\$198	10.5%	11	134	59.8%	14,431	\$0.0385	\$0.0522
22	14,855	17,235	\$608	\$815	\$207	34.1%	\$2,074	\$2,281	\$207	10.0%	11	145	64.7%	15,821	\$0.0384	\$0.0515
23	17,235	18,357	\$668	\$886	\$217	32.5%	\$2,298	\$2,516	\$217	9.4%	11	156	69.6%	17,730	\$0.0377	\$0.0499
24	18,357	19,010	\$699	\$922	\$222	31.8%	\$2,410	\$2,632	\$222	9.2%	11	167	74.6%	18,652	\$0.0375	\$0.0494
25	19,010	20,613	\$740	\$968	\$228	30.8%	\$2,558	\$2,786	\$228	8.9%	12	179	79.9%	19,754	\$0.0375	\$0.0490
26	20,613	22,187	\$783	\$1,018	\$236	30.1%	\$2,729	\$2,965	\$236	8.6%	11	190	84.8%	21,149	\$0.0370	\$0.0481
27	22,187	24,468	\$855	\$1,103	\$248	29.0%	\$2,980	\$3,229	\$248	8.3%	11	201	89.7%	23,044	\$0.0371	\$0.0479
28	24,468	27,410	\$966	\$1,233	\$266	27.6%	\$3,388	\$3,654	\$266	7.9%	11	212	94.6%	26,226	\$0.0368	\$0.0470
29	27,410	37,472	\$1,162	\$1,461	\$299	25.7%	\$4,107	\$4,406	\$299	7.3%	12	224	100.0%	31,375	\$0.0370	\$0.0466

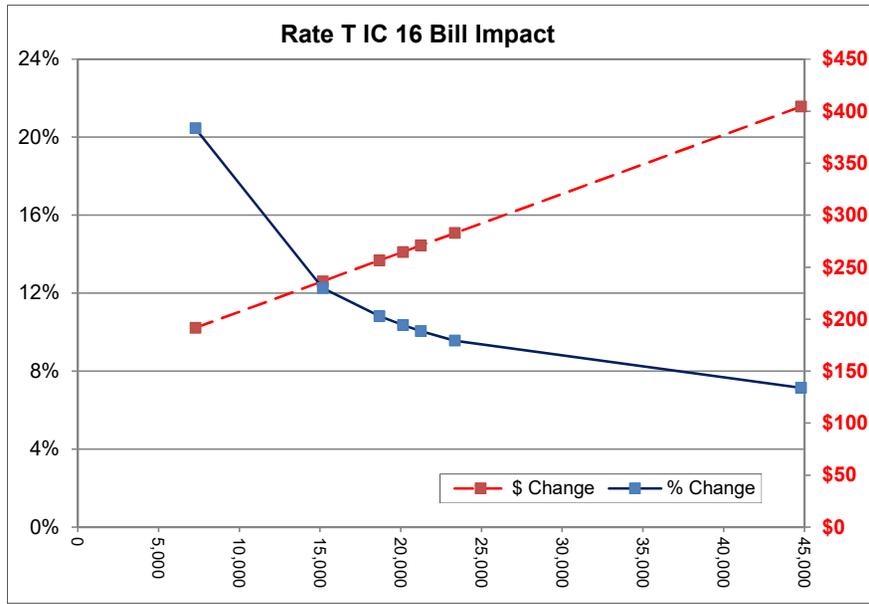
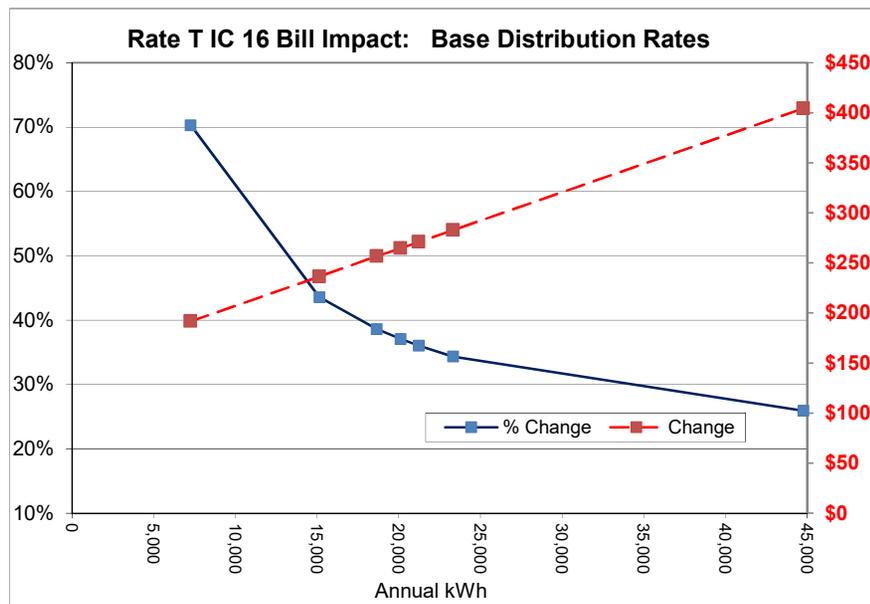
065

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE T: LIMITED TOTAL ELECTRICAL LIVING

T Custs w/ IC 16 Credit Current Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01511
Customer charge	\$11.46
Interruptible credit	-\$9.50
kWh Charge	\$0.03429

T Custs w/ IC 16 Credit Settlement Rates	
Energy Services	\$0.07630
Other Tracking Mechanisms	\$0.01511
Customer charge	\$14.50
Interruptible credit	\$0.00
kWh Charge	\$0.03996



The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

COMPARATIVE ANNUAL BILLS UNDER CURRENT AND Settlement RATES
 RATE T: LIMITED TOTAL ELECTRICAL LIVING

Line

T Custs w/ IC 16 Credit Current Rates		T Custs w/ IC 16 Credit Settlement Rates		
1	Energy Services	\$0.07630	Energy Services	\$0.07630
2	Other Tracking Mechanisms	\$0.01511	Other Tracking Mechanisms	\$0.01511
3				
4	Customer charge	\$11.46	Customer charge	\$14.50
5	Interruptible credit	-\$9.50	Interruptible credit	\$0.00
6				
7	kWh Charge	\$0.03429	kWh Charge	\$0.03996
8				
9				

Annual Use (kWh)	Average Annual Bills (Excluding Tracking)				Annual Bills (Including Tracking Mechanisms)				Customers in Ranges			Average Annual kWh	Average \$ per kWh		
	Current Rates	Proposed Rates	Change	% Change	Current Rates	Proposed Rates	\$ Change	% Change	Number of customers	Cumulative customers	% Cumulative customers		Current Rates	Proposed Rates	
10	7,271	\$273	\$465	\$192	70.3%	\$937	\$1,129	\$192	20.4%	1	1	14.3%	7,271	\$0.0375	\$0.0639
11	15,146	\$543	\$779	\$236	43.5%	\$1,927	\$2,164	\$236	12.3%	1	2	28.6%	15,146	\$0.0358	\$0.0514
12	18,654	\$665	\$921	\$257	38.6%	\$2,370	\$2,627	\$257	10.8%	1	3	42.9%	18,654	\$0.0356	\$0.0494
13	20,126	\$714	\$978	\$265	37.1%	\$2,553	\$2,818	\$265	10.4%	1	4	57.1%	20,126	\$0.0355	\$0.0486
14	21,232	\$752	\$1,022	\$271	36.0%	\$2,692	\$2,963	\$271	10.1%	1	5	71.4%	21,232	\$0.0354	\$0.0482
15	23,327	\$823	\$1,106	\$283	34.3%	\$2,956	\$3,238	\$283	9.6%	1	6	85.7%	23,327	\$0.0353	\$0.0474
16	44,773	\$1,559	\$1,963	\$404	25.9%	\$5,651	\$6,056	\$404	7.2%	1	7	100.0%	44,773	\$0.0348	\$0.0438

The rates, charges and bill impacts provided in this attachment include the permanent increase, step increase, recoupment and rate case expense recovery that are effective beginning May 1, 2017. Bill impacts are provided as compared to distribution rates in effect prior to temporary rates.

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
 Residential Bill Impact
 Rates Effective May 1, 2017**

Usage: 650 kWh

	April 30, 2017 Rates	May 1, 2017 Rates	April 30, 2017 Bill	May 1, 2017 Bill
Customer Charge	\$12.12	\$14.50	\$12.12	\$14.50
Distribution Charge				
1st 250 kWh	\$0.03356	\$0.04091	\$8.39	\$10.23
excess of 250 kWh	\$0.05002	\$0.05300	\$20.01	\$21.20
Storm Recovery Adjustment	\$0.00000	\$0.00000	\$0.00	\$0.00
Transmission Charge	\$0.01361	\$0.01361	\$8.85	\$8.85
Stranded Cost Charge	\$0.00040	\$0.00040	\$0.26	\$0.26
System Benefits Charge	\$0.00354	\$0.00354	\$2.30	\$2.30
Electricity Consumption Tax	\$0.00055	\$0.00055	<u>\$0.36</u>	<u>\$0.36</u>
Subtotal Retail Delivery Services			\$52.28	\$57.69
Default Service Charge	\$0.07630	\$0.07630	<u>\$49.60</u>	<u>\$49.60</u>
Total Bill			\$101.88	\$107.29
\$ increase in 650 kWh Total Residential Bill			\$5.41	
% increase in 650 kWh Total Residential Bill			5.31%	

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
ADIT on Acquisition Date Assets
Docket No. DE 16-383

Line	Year	ADIT
5	2015	21,137
6	2016	21,137
7	2017	21,000
8	2018	21,000
9	2019	21,000
10	2020	21,000
11	2021	21,000
12	2022	21,000
13	2023	21,000
14	2024	21,000
15	2025	20,000
16	2026	19,000
17	2027	18,000
18	2028	17,000
19	2029	10,929
20	2030	10,929

FERC Account	Account Description	Average Service Lives (Years)	Net Salvage Value (%)	Depreciation Rate
303	Intangible Plant (Amort.)	5	N/A	20.00%
	<u>Distribution Plant</u>			
361	Structures and Improvements	41	-5.0	2.56%
362	Station Equipment	41	-15.0	2.80%
364	Poles Towers and Fixtures	40	-30.0	3.25%
365	Overhead Conductors and Devices	40	-27.5	3.19%
366	Underground Conduits	55	-10.0	2.00%
367	Underground Conductors and Devices	41	-30.0	3.17%
368	Line Transformers	37	-30.0	3.51%
369	Services	45	-42.5	3.17%
370	Meters	22	-15.0	5.23%
372	Installations on Customers' Premises	24	0.0	4.17%
373	Street Lighting and Signal Systems	30	-30.0	4.33%
	<u>General Plant</u>			
390	Structures and Improvements	64	-7.5	1.68%
391	Office Furniture and Equipment	25	0.0	4.00%
392	Transportation Equipment	12	10.0	7.50%
393	Stores Equipment	30	0.0	3.33%
394	Tools, Shop and Garage Equipment	24	0.0	4.17%
395	Laboratory Equipment	33	0.0	3.03%
397	Communication Equipment	22	0.0	4.55%
398	Miscellaneous Equipment	26	0.0	3.85%

Schedule A
Qualifying Facility Purchase Power Agreement

The Agreement is between _____, a Qualifying Facility (“QF”) and Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities (the “Company”) for electric energy purchases by the Company from the QF’s facility located in _____, New Hampshire.

Agreement to Purchase

Effective _____, the Company agrees to purchase electricity from the QF and the QF agrees to sell electricity to the Company under the terms and conditions of the Company’s tariff for Energy Transactions with Qualifying Facilities as currently in effect or amended by the Company in the Company’s sole discretion and as approved by the New Hampshire Public Utilities Commission. The QF agrees to comply with the terms and conditions of section 31 Purchases from Qualifying Facilities of this tariff and associated policies of the Company that are on file with the New Hampshire Public Utilities Commission as currently in effect or as modified, amended, or revised by the Company and to pay any metering and interconnection costs required under such tariff and policies.

Payments for Energy

QFs not utilizing Net Energy Metering shall have their electric energy output metered and purchased by the Company and then resold into the Real-Time Energy Market administered by ISO New England Inc. (“ISO-NE”). Compensation for such purchases will be equal to the payments received by the Company from ISO-NE less all charges imposed by ISO-NE for such sales. The Company reserves the right to require the QF to pay any administrative or service fees as may be assessed by the Company.

The Company shall not purchase for resale any capacity or other reserve-related products associated with the QF. The Company will not purchase or own any of the generation attributes associated with the QF.

Notice

The Company or QF may terminate this Agreement on thirty (30) days written notice which includes a statement of reasons for such termination.

Agreed and Accepted

Date: _____

Liberty Utilities (Granite
State Electric) Corp. d/b/a
Liberty Utilities

Date: _____

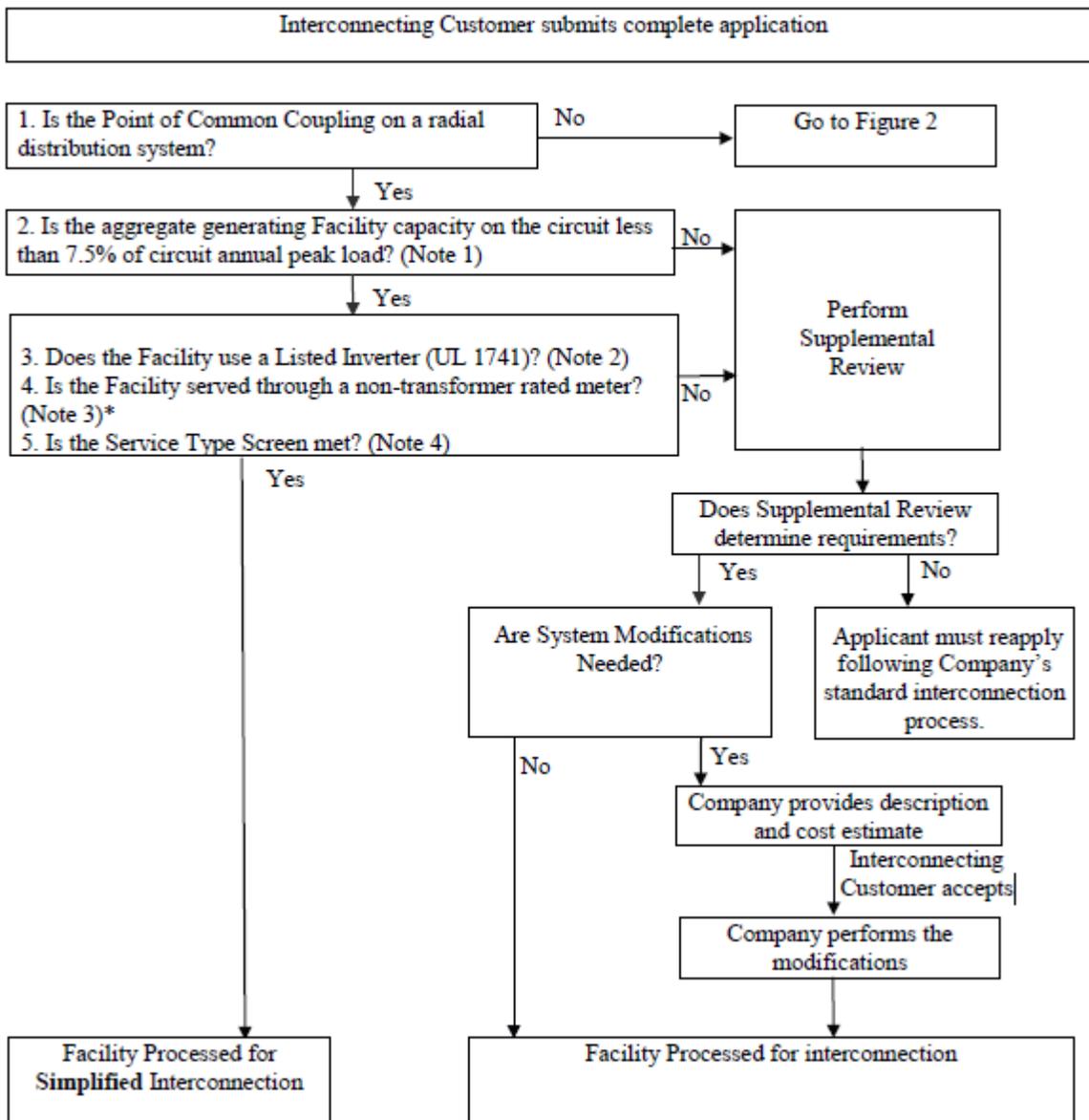
Issued: March 10, 2017

Issued by: _____ /s/ James M. Sweeney

Effective: XXX X, 2017

James M. Sweeney
Title: President

Figure 1 – Inverter Based Simplified Interconnection Process



Explanatory Notes to Accompany Figure 1

1. On a typical radial distribution EPS circuit (“feeder”) the annual peak load is measured at the substation circuit breaker, which corresponds to the supply point of the circuit. A circuit may also be supplied from a tap on a higher-voltage line, sometimes called a sub-transmission line. On more complex radial EPSs, where

Issued: March 10, 2017

Issued by: _____ /s/ James M. Sweeney

Effective: XXX X, 2017

James M. Sweeney
 Title: President

53. Simplified Process Interconnection Application and Service Agreement

Contact Information - Legal name and address of Interconnecting Customer (or, Company name, if appropriate):

Customer/Company Name _____ Contact Person _____
Mailing Address _____
City _____ State _____ Zip Code _____ Email _____
Phone - Daytime _____ Evening _____ Fax _____

Alternative Contact Information (e.g, system installation contractor or coordinating company, if appropriate):

Name _____ Contact Person _____
Mailing Address _____
City _____ State _____ Zip Code _____ Email _____
Phone - Daytime _____ Evening _____ Fax _____

Electrical Contractor Contact Information (if appropriate)

Name _____ Contact Person _____ License # _____
Mailing Address _____
City _____ State _____ Zip Code _____ Email _____
Phone - Daytime _____ Evening _____ Fax _____

Facility Information

Address of facility _____
Mailing Address _____
City _____ State _____ Zip Code _____ Electric Supply Co. _____
Account # _____ Meter # _____ Gen/Inverter Manu _____
Model Name and # _____ Quantity _____ Nameplate Rating (kW) _____
(kVa) _____ (AC volts) _____ Single Phase _____ Three Phase _____ Battery Backup Y ___ N ___
Net Metering: If renewably fueled, will the account be Net Metered? Y ___ N ___
Prime Mover: Photovoltaic ___ Recip'g Engine ___ Fuel Cell ___ Turbine ___ Other _____
Energy Source: Solar ___ Wind ___ Hydro ___ Diesel ___ Nat Gas ___ Fuel Oil ___ Other _____
UL 1741.1 (IEEE1547.1) Listed? Y ___ N ___ External Manual Disconnect Y ___ N ___
Estimated Install Date _____ Estimated In-Service Date _____

Interconnecting Customer Signature

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the Terms and Conditions on the following page:

Please attach any documentation provided by the inverter manufacturer describing the inverter's UL 1741 listing.

Customer Signature _____ **Title** _____ **Date** _____

Approval to Install Facility (For Company Use Only): Installation of the Facility is approved contingent upon the terms and conditions of this Agreement, and agreement to any system modifications, if required.

Are system modifications required? Y ___ N ___

Company Signature _____ Title _____ Date _____

Company waives inspection/Witness test? Y ___ N ___

Application Number _____

Issued: March 10, 2017 Issued by: /s/ James M. Sweeney

Effective: XXX X, 2017 Title: James M. Sweeney
President

NHPUC NO. 20 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

Original Page 54
Interconnection Standards

55. Certificate of Completion for Simplified Process Interconnections

Installation Information

Check if owner installed

Customer/Company Name _____ Contact Person _____
Mailing Address _____
City _____ State _____ Zip Code _____ Email _____
Phone - Daytime _____ Evening _____ Fax _____

Address of facility (if different from above) _____
Mailing Address _____ City _____
State _____ Zip Code _____ Generation Vendor _____ Contact Person _____

I hereby certify that the system hardware is in compliance with Puc 900.

Vendor Signature _____ Date _____

Electrical Contractor Contact Information (if appropriate)

Name _____ Contact Person _____ License # _____
Mailing Address _____
City _____ State _____ Zip Code _____ Email _____
Phone - Daytime _____ Evening _____ Fax _____

Date of approval to install Facility granted by the Company _____ Installation Date _____

Application ID number _____

Inspection

The system has been installed and inspected in compliance with the local Building/Electrical Code of (City/County)

Signed by (Local Electrical Wiring Inspector, or attach signed electrical inspection):

Signed: _____ Printed: _____ Date: _____

Customer Certification

I hereby certify that, to the best of my knowledge, all the information contained in this Interconnection Notice is true and correct. This system has been installed and shall be operated in compliance with applicable electrical standards and the initial startup test required by Puc 905.04 has been successfully completed.

Customer signature _____ Date _____

As a condition of interconnection you are required to send/email a copy of this form to:

Liberty Utilities (Granite State Electric) d/b/a Liberty Utilities
Sales and Marketing 15 Buttrick Road, Londonderry, NH 03053
Email: NHSalesMarketing@libertyutilities.com

Issued: March 10, 2017 Issued by: /s/ James M. Sweeney
Effective: XXX X, 2017 Title: James M. Sweeney
President

56. Supplemental Review Agreement

This Agreement, dated _____, is entered into by and between (name, address) _____ (“Interconnecting Customer”) and the Company, for the purpose of setting forth the terms, conditions and costs for conducting a Supplemental Review relative to the Interconnection Process as defined in Sections iii – x of the Interconnection Standard. This Supplemental Review pertains to the interconnection application the Interconnecting Customer has filed for interconnecting a ____kVA Facility at _____ (address of Facility).

If the Supplemental Review determines the requirements for processing the application including any System Modifications, then the modification requirements and costs for those modifications will be identified and included in a billing statement sent by the Company to the Interconnecting Customer for authorization and payment. If the Supplemental Review does not determine the requirements, it will include a proposed Impact Study Agreement as part of the Company’s standard interconnection process which will include an estimate of the cost of the study.

The Interconnecting Customer agrees to provide, in a timely and complete manner, all additional information and technical data necessary for the Company to conduct the Supplemental Review not already provided in the Interconnecting Customer’s application.

All work pertaining to the Supplemental Review that is the subject of this Agreement will be approved and coordinated only through designated and authorized representatives of the Company and the Interconnecting Customer. Each party shall inform the other in writing of its designated and authorized representative, if different than what is in the application.

The Company shall perform the Supplemental Review for a fee not to exceed \$1,250. The Company anticipates that the Supplemental Review will cost \$____. No work will be performed until payment is received.

Please indicate your acceptance of this Agreement by signing below.

Interconnecting Customer

Date

Issued: March 10, 2017

Issued by: _____ /s/ James M. Sweeney

Effective: XXX X, 2017

Title: James M. Sweeney
President

ownership of the line. The Company has the right to refuse to accept a line extension that does not conform to the Company's specifications. Customers may not contract with private line contractors to construct line extensions along public ways.

2. Overhead Line Extension

The Company shall be responsible for:

- a) installing, owning and maintaining all poles, primary and secondary wires, transformers, service drops, meters, etc. that, in its opinion, are required to provide adequate service;
- b) designating the location of all Company owned equipment, excluding street lights, and the service entrance and meter location(s) at each house, and
- c) 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 estimated cost is in excess of 50% of the average cost per foot.

The Customer, at no cost to the Company, shall be responsible for blasting and tree trimming and removal on private property, including roadways not accepted as public, and 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. The Company may, at its option, be exempt from undertaking construction during the period of December 1 to April 1 each year.

3. Underground Line Extension

The Company shall be responsible for:

- a) developing the plan to provide underground electric service;
- b) supplying a list of approved manufacturers and their part numbers for equipment to be supplied by the Customer;
- c) designating the location of all Company owned equipment, excluding street lights, and the service entrance and meter location(s);
- d) providing Company owned street light foundations; providing, installing, owning and maintaining all transformers, Company owned street lights, primary and secondary cable, except services;
- e) making all connections to Company equipment;
- f) inspecting the underground conduit system and equipment foundations installed by the Customer, prior to backfilling.

The Customer, at no cost to the Company, shall be responsible for providing, prior to the start of the Company's construction:

- a) all applicable documents required for the Company to prepare easements for its facilities to be installed on private property;

Issued: March 10, 2017

Issued by: _____ /s/ James M. Sweeney

Effective: XXX X, 2017

James M. Sweeney
Title: President

Rate D-10 Optional Peak Load Rate

Availability

Retail Delivery Service under this rate is available for all domestic purposes in an individual private dwelling or an individual apartment and for farm purposes to selected customers presently served under Rate D.

If electricity is delivered through more than one meter, the charge for electricity delivered through each meter shall be computed separately under this rate. The availability of this rate will be subject to the Company's ability to obtain the necessary meters and to render such service.

Character of Service

Service supplied under this rate will be single phase, 60 cycle, alternating current, normally three-wire service at a nominal voltage of 120/240 volts or three-wire 120/208 volts, whichever is available at the location.

Rate Per Month

The rate per month will be the sum of the applicable Customer and Energy Charges subject to the adjustments in this tariff:

Rates for Retail Delivery Service

Customer Charge \$14.50 per month

Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

Distribution Charge On Peak	10.396
Distribution Charge Off Peak	0.145
Reliability Enhancement/Vegetation Management	0.038
<hr/>	
Total Distribution Charge On Peak	10.434
Total Distribution Charge Off Peak	0.183
Transmission Service Cost Adjustment	0.985
Stranded Cost Adjustment Factor	0.040
Storm Recovery Adjustment Factor	0.000

Peak hours will be from 8:00 a.m. to 9:00 p.m. daily on Monday through Friday excluding holidays.

Issued: March 10, 2017 Issued by: /s/ James M. Sweeney
James M. Sweeney
 Effective: XXX X, 2017 Title: President

General Service Time-of-Use Rate G-1

Availability

Retail Delivery Service under this rate is available for all purposes except resale, subject to the provisions of this section. The sale of electric vehicle charging services to a third party from an electric vehicle charging station shall not be considered resale of electricity. A Customer will take delivery service on this rate if the Company estimates that its average use will be greater than or equal to 200 kW of Demand. A Customer may be transferred from rate G-1 at its request or at the option of the Company if the customer's 12 month average monthly demand is less than 180 kW of Demand for 3 consecutive months.

If electricity is delivered through more than one meter, except at the Company's option, the charge for electricity delivered through each meter shall be computed separately under this rate. If any electricity is delivered hereunder at a given location, then all electricity delivered by the Company at such location shall be furnished hereunder, except such electricity as may be delivered under the provisions of the Limited Commercial Space Heating Rate V.

The actual delivery of service and the rendering of bills under this rate is contingent upon the installation of the necessary time-of-use metering equipment by the Company; subject to both the availability of such meters from the Company's supplier and the conversion or installation procedures established by the Company.

All customers served on this rate must elect to take their total electric service under the time-of-use metering installation as approved by the Company. If delivery is 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.

Character of Service

Service supplied under this rate will be 60 cycle, three-phase alternating current normally at a nominal voltage of 120/208, 277/480, 2400, 4160, 4800, 7200, 13,200 and 13,800 volts. All voltages are not available in every area.

Rate Per Month

The Rate Per Month will be the sum of the applicable Customer, Demand and Energy Charges subject to the adjustments in this tariff.

Rates for Retail Delivery Service

Customer Charge \$377.63 per month

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Effective: XXX X, 2017 Title: James M. Sweeney
 President

General Long Hour Service Rate G-2

Availability

Retail Delivery Service under this rate is available for all purposes except resale subject to the provisions of this section. The sale of electric vehicle charging services to a third party from an electric vehicle charging station shall not be considered resale of electricity. A Customer will take delivery service on this rate if the Company estimates that its average use will be greater than or equal to 20 kW of Demand but is less than 200 kW of Demand. If electricity is delivered through more than one meter, except at the Company's option, the charge for electricity delivered through each meter shall be computed separately under this rate. A customer may be transferred from rate G-2 at its request or at the option of the Company if the customer's twelve (12) month average monthly demand is less than 18 kW of demand for three consecutive months.

If any electricity is delivered hereunder at a given location, then all electricity delivered by the Company at such location shall be furnished hereunder, except such electricity as may be delivered under the provisions of the Limited Commercial Space Heating Rate V.

Character of Service

Service supplied under this rate will be 60 cycle, three-phase alternating current normally at a nominal voltage of 120/208, 277/480, 2400, 4160, 4800, 7200, 13,200 and 13,800 volts. All voltages are not available in every area.

Rate Per Month

The Rate Per Month will be the sum of the applicable Customer, Demand and Energy Charges subject to the adjustments in this tariff.

Rates for Retail Delivery Service

Customer Charge \$62.97 per month

Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

Distribution Charge	0.203
Reliability Enhancement/Vegetation Management	0.038
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Total Distribution Charge	0.241
Transmission Service Cost Adjustment	1.188
Stranded Cost Adjustment Factor	0.040
Storm Recovery Adjustment Factor	0.000

Issued: March 10, 2017 Issued by: /s/ James M. Sweeney
James M. Sweeney
 Effective: XXX X, 2017 Title: President

General Service Rate G-3

Availability

Retail Delivery Service under this rate is available for all purposes except resale. The sale of electric vehicle charging services to a third party from an electric vehicle charging station shall not be considered resale of electricity. A Customer will take delivery service on this rate if the Company estimates that its average use will be less than 20 kW of demand. If electricity is delivered through more than one meter, except at the Company's option, the charge for electricity delivered through each meter shall be computed separately under this rate.

Character of Service

Service supplied under this rate will be 60 cycle, alternating current either:

- a) Single-phase normally three-wire at a nominal voltage of 120/240 volts.
- b) Three-phase secondary normally at a nominal voltage of 120/208, or 277/480 volts.
- c) Three-phase primary normally at a nominal voltage of 2400, 4160, 4800, 7200, 13,200 or 13,800 volts.

All voltages are not available in every area.

Rate Per Month

The rate per month will be the sum of the Customer and Energy Charges subject to the adjustments in this tariff:

Rates for Retail Delivery Service

Customer Charge \$14.50 per month

Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

Distribution Charge	4.594
Reliability Enhancement/Vegetation Management	0.038
<hr/> Total Distribution Charge	<hr/> 4.632
Transmission Service Cost Adjustment	0.918
Stranded Cost Adjustment Factor	0.040
Storm Recovery Adjustment Factor	0.000

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James M. Sweeney
 Effective: XXX X, 2017 Title: President

NHPUC NO. 20 - ELECTRICITY DELIVERY
 LIBERTY UTILITIES

The energy charges for each luminaire will be determined by multiplying the current energy charges per kilowatt-hour by the average monthly kilowatt-hours shown in the following table:

All-Night Service Option:

The monthly kilowatt-hours and distribution rates for each luminaire served under the all-night service option are shown below.

For New and Existing Installations:

Lamp Light Output Lumens	Nominal Power Rating Watts	Monthly KWH per Luminaire												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<u>High Pressure Sodium Roadway:</u>														
4,000	50	22	18	19	16	16	14	15	16	18	20	20	22	\$7.62
9,600	100	43	37	37	33	33	29	30	33	35	39	41	44	\$9.24
27,500	250	108	92	93	82	78	72	76	82	88	98	102	110	\$16.23
50,000	400	172	147	149	131	125	115	121	132	140	157	164	175	\$21.15
<u>High Pressure Sodium Post Top:</u>														
9,600	100	43	37	37	33	33	29	30	33	35	39	41	44	\$10.64
<u>High Pressure Sodium Flood:</u>														
27,500	250	108	92	93	82	78	72	76	82	88	98	102	110	\$16.37
50,000	400	172	147	149	131	125	115	121	132	140	157	164	175	\$22.60

For Existing Installations Only:

Lamp Light Output Lumens	Nominal Power Rating Watts	Monthly KWH per Luminaire												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<u>Incandescent:</u>														
1,000	103	44	38	38	34	32	30	31	34	36	41	42	45	\$10.18
<u>Mercury Vapor Roadway:</u>														
4,000	100	22	18	19	16	16	14	15	16	18	20	20	22	\$7.36
8,000	175	43	37	37	33	33	29	30	33	35	39	41	44	\$8.96
22,000	400	108	92	93	82	78	72	76	82	88	98	102	110	\$16.94
63,000	1000	172	147	149	131	125	115	121	132	140	157	164	175	\$32.14
<u>Mercury Vapor Flood:</u>														
22,000	400	108	92	93	82	78	72	76	82	88	98	102	110	\$18.73
63,000	1000	172	147	149	131	125	115	121	132	140	157	164	175	\$32.35

Issued: March 10, 2017

Issued by: /s/ James M. Sweeney

Effective: XXX X, 2017

James M. Sweeney
 Title: President

RATES EFFECTIVE XX X, 2017
 FOR USAGE ON AND AFTER XX X, 2017

Rate	Blocks	Distribution Charge	REP/VMP	Net Distribution Charge	Transmission Charge	Stranded Cost Charge	Storm Recovery Adjustment Factor	System Benefits Charge	Electricity Consumption Tax	Total Delivery Service	Energy Service	Total Rate	
D	Customer Charge	\$ 14.50		14.50						14.50		\$ 14.50	
	1st 250 kWh	\$ 0.04053	0.00038	0.04091	0.01361	0.00040	-	0.00354	0.00055	0.05901	0.07630	\$ 0.13531	
	Excess kWh	\$ 0.05262	0.00038	0.05300	0.01361	0.00040	-	0.00354	0.00055	0.07110	0.07630	\$ 0.14740	
Off Peak Water Heating Use 16 Hour Control ¹	All kWh	\$ 0.04177	0.00038	0.04215	0.01361	0.00040	-	0.00354	0.00055	0.06025	0.07630	\$ 0.13655	
Off Peak Water Heating Use 6 Hour Control ¹	All kWh	\$ 0.04254	0.00038	0.04292	0.01361	0.00040	-	0.00354	0.00055	0.06102	0.07630	\$ 0.13732	
Farm ¹	All kWh	\$ 0.04567	0.00038	0.04605	0.01361	0.00040	-	0.00354	0.00055	0.06415	0.07630	\$ 0.14045	
D-10	Customer Charge	\$ 14.50		14.50						14.50		\$ 14.50	
	On Peak kWh	\$ 0.10396	0.00038	0.10434	0.00985	0.00040	-	0.00354	0.00055	0.11868	0.07630	\$ 0.19498	
	Off Peak kWh	\$ 0.00145	0.00038	0.00183	0.00985	0.00040	-	0.00354	0.00055	0.01617	0.07630	\$ 0.09247	
G-1	Customer Charge	\$ 377.63		377.63						377.63		\$ 377.63	
	Demand Charge	\$ 8.05		8.05						8.05		\$ 8.05	
	On Peak kWh	\$ 0.00518	0.00038	0.00556	0.00871	0.00040	-	0.00354	0.00055	0.01876			
											0.10849	\$ 0.12725	
											0.07777	\$ 0.09653	
											0.05923	\$ 0.07799	
											0.05355	\$ 0.07231	
											0.07082	\$ 0.08958	
											0.07678	\$ 0.09554	
	Off Peak kWh	\$ 0.00156	0.00038	0.00194	0.00871	0.00040	-	0.00354	0.00055	0.01514			
											0.10849	\$ 0.12363	
										0.07777	\$ 0.09291		
										0.05923	\$ 0.07437		
										0.05355	\$ 0.06869		
										0.07082	\$ 0.08596		
										0.07678	\$ 0.09192		
G-2	Customer Charge	\$ 62.97		62.97						62.97		\$ 62.97	
	Demand Charge	\$ 8.10		8.10						8.10		\$ 8.10	
	All kWh	\$ 0.00203	0.00038	0.00241	0.01188	0.00040	-	0.00354	0.00055	0.01878		\$ 0.01878	
											0.10849	\$ 0.12727	
											0.07777	\$ 0.09655	
											0.05923	\$ 0.07801	
											0.05355	\$ 0.07233	
											0.07082	\$ 0.08960	
											0.07678	\$ 0.09556	
	Customer Charge	\$ 14.50		14.50							14.50		\$ 14.50
	All kWh	\$ 0.04594	0.00038	0.04632	0.00918	0.00040	-	0.00354	0.00055	0.05999	0.07630	\$ 0.13629	
M	All kWh	\$ -	0.00038	0.00038	0.00970	0.00039	-	0.00354	0.00055	0.01456	0.07630	\$ 0.09086	
T	Customer Charge	\$ 14.50		14.50						14.50		\$ 14.50	
	All kWh	\$ 0.03996	0.00038	0.04034	0.01048	0.00040	-	0.00354	0.00055	0.05531	0.07630	\$ 0.13161	
V	Minimum Charge	\$ 14.50		14.50						14.50		\$ 14.50	
	All kWh	\$ 0.04722	0.00038	0.04760	0.01563	0.00040	-	0.00354	0.00055	0.06772	0.07630	\$ 0.14402	

¹ Rate is a subset of Domestic Rate D

Dated: March 10, 2017
 Effective: XX X, 2017

Issued by: /s/James M. Sweeney
 James M. Sweeney
 Title: President

Authorized by NHPUC Order No. ____ in Docket No. DE 16-383, dated ____ , 2017