

Attachment EAD-4 (Perm)
REPORT OF PROPOSED RATE CHANGES
November 20, 2019 Update

STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes - Permanent Rates

Tariff NHPUC No. 9

Date Filed: May 28, 2019
Date Effective: July 1, 2020

(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
Class of Service	Effect of Proposed Change	Average Number of Customers	Estimated Annual Revenue (a)		Proposed Annual Change	
			Current Rates (b)	Proposed Rates (c)	Revenue	Percent
Residential Service Rate R and R-OTOD	Increase	439,078	\$ 659,913,174	\$ 707,796,462	\$ 47,883,288	7.3%
General Service Rate G and Rate G-OTOD	Increase	75,983	\$ 322,934,391	\$ 336,681,718	\$ 13,747,327	4.3%
Primary General Service Rate GV	Increase	1,393	\$ 297,685,774	\$ 303,733,848	\$ 6,048,074	2.0%
Large General Service Rate LG	Increase	121	\$ 203,600,141	\$ 207,209,664	\$ 3,609,523	1.8%
Outdoor Lighting Service Rate OL and Rate EOL	Decrease	773	\$ 11,455,860	\$ 9,419,809	\$ (2,036,051)	-17.8%
Total (a)	Increase	517,349	\$ 1,495,589,340	\$ 1,564,841,501	\$ 69,252,161	4.6%

Notes:

- (a) Based on actual sales to customers for the twelve-month period ending December 31, 2018, normalized for lighting inventory as of December 2018.
- (b) Current rate revenue is based on distribution rates effective January 1, 2018, and transmission, stranded cost recovery, system benefits, and energy service rates in effect as of the filing date. Support for amounts are shown in Attachment EAD-7 (Perm)
- (c) Proposed rate revenue is based on proposed distribution rates for effect July 1, 2020. No changes in other rate components have been reflected. Support for amounts are shown in Attachment EAD-7 (Perm).

Signed By: /s/ Edward A. Davis
Edward A. Davis

Title: Director, Rates

STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes
Current Rates

Tariff NHPUC No. 9

Date Filed: May 28, 2019
Date Effective: July 1, 2020

(A) Class	(B) Current Distribution	(C) Current Transmission	(D) Current SCRC	(E) Current System Benefits	(F) Current Energy Service (b)	(G) = Sum of (B) to (F) Total Revenue
Residential Service Rate R (a)	\$ 202,012,310	\$ 66,170,333	\$ 45,565,817	\$ 19,189,530	\$ 326,975,184	\$ 659,913,174
General Service Rate G	84,312,407	33,317,417	22,424,238	10,137,913	172,742,416	322,934,391
Primary General Service Rate GV	36,426,129	29,851,680	17,712,355	9,777,142	203,918,468	297,685,774
Large General Service Rate LG	20,150,790	19,418,882	3,573,962	7,341,311	153,115,196	203,600,141
Outdoor Lighting Rates OL, EOL	<u>7,590,790</u>	<u>397,309</u>	<u>454,882</u>	<u>167,018</u>	<u>2,845,861</u>	<u>11,455,860</u>
Total Retail	<u>\$ 350,492,426</u>	<u>\$ 149,155,621</u>	<u>\$ 89,731,254</u>	<u>\$ 46,612,914</u>	<u>\$ 859,597,125</u>	<u>\$ 1,495,589,340</u>

Notes:

- (a) Revenues for Residential Rate R do not include credits issued to qualifying customers under the Residential Electric Assistance Program.
- (b) For purposes of this calculation, all customers are assumed to receive service under the Energy Service rate.
- (c) Support for amounts shown above is contained in Attachment EAD-7 (Perm).

STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes
Permanent Rates

Tariff NHPUC No. 9

Date Filed: May 28, 2019
Date Effective: July 1, 2020

(A) Class	(B) Proposed Permanent Distribution	(C) Current Transmission	(D) Current SCRC	(E) Current System Benefits	(F) Current Energy Service (b)	(G) = Sum of (B) to (F) Total Revenue
Residential Service Rate R (a)	\$ 249,895,598	\$ 66,170,333	\$ 45,565,817	\$ 19,189,530	\$ 326,975,184	\$ 707,796,462
General Service Rate G	98,059,734	33,317,417	22,424,238	10,137,913	172,742,416	336,681,718
Primary General Service Rate GV	42,474,203	29,851,680	17,712,355	9,777,142	203,918,468	303,733,848
Large General Service Rate LG	23,760,313	19,418,882	3,573,962	7,341,311	153,115,196	207,209,664
Outdoor Lighting Rates OL, EOL	<u>5,554,739</u>	<u>397,309</u>	<u>454,882</u>	<u>167,018</u>	<u>2,845,861</u>	<u>9,419,809</u>
Total Retail	<u>\$ 419,744,587</u>	<u>\$ 149,155,621</u>	<u>\$ 89,731,254</u>	<u>\$ 46,612,914</u>	<u>\$ 859,597,125</u>	<u>\$ 1,564,841,501</u>

Notes:

- (a) Revenues for Residential Rate R do not include credits issued to qualifying customers under the Residential Electric Assistance Program.
- (b) For purposes of this calculation, all customers are assumed to receive service under the Energy Service rate.
- (c) Support for amounts shown above is contained in Attachment EAD-7 (Perm).

STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes
Incremental Increase/(Decrease)

Tariff NHPUC No. 9

Date Filed: May 28, 2019
Date Effective: July 1, 2020

(A) Class	(B) Proposed Permanent Distribution (b)	(C) Current Transmission	(D) Current SCRC	(E) Current System Benefits	(F) Current Energy Service (c)	(G) = Sum of (B) to (F) Total Revenue
Residential Service Rate R (a)	\$ 47,883,288	\$ -	\$ -	\$ -	\$ -	\$ 47,883,288
General Service Rate G	13,747,327	-	-	-	-	13,747,327
Primary General Service Rate GV	6,048,074	-	-	-	-	6,048,074
Large General Service Rate LG	3,609,523	-	-	-	-	3,609,523
Outdoor Lighting Rates OL, EOL	(2,036,051)	-	-	-	-	(2,036,051)
Total Retail	<u>\$ 69,252,161</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 69,252,161</u>

Notes:

- (a) Revenues for Residential Rate R do not include credits issued to qualifying customers under the Residential Electric Assistance Program.
- (b) Attachment EAD-4 (Perm), page 3 - Attachment EAD-4 (Perm), page 2
- (c) For purposes of this calculation, all customers are assumed to receive service under the Energy Service rate.

STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes
Percent Increase/(Decrease)

Tariff NHPUC No. 9

Date Filed: May 28, 2019
Date Effective: July 1, 2020

(A) Class	(B) Proposed Temporary Distribution (b)	(C) Current Transmission	(D) Current SCRC	(E) Current System Benefits	(F) Current Energy Service (c)	(G) Total Revenue
Residential Service Rate R (a)	23.7%	0.0%	0.0%	0.0%	0.0%	7.3%
General Service Rate G	16.3%	0.0%	0.0%	0.0%	0.0%	4.3%
Primary General Service Rate GV	16.6%	0.0%	0.0%	0.0%	0.0%	2.0%
Large General Service Rate LG	17.9%	0.0%	0.0%	0.0%	0.0%	1.8%
Outdoor Lighting Rates OL, EOL	-26.8%	0.0%	0.0%	0.0%	0.0%	-17.8%
Total Retail	<u>19.8%</u>	<u>0.0%</u>	<u>0.0%</u>	<u>0.0%</u>	<u>0.0%</u>	<u>4.6%</u>

Notes:

(a) Revenues for Residential Rate R do not include credits issued to qualifying customers under the Residential Electric Assistance Program.

(b) Percent change is Attachment EAD-4 (Perm), page 4, Column (B) / Attachment EAD-4 (Perm), page 2, Column (B)

(c) For purposes of this calculation, all customers are assumed to receive service under the Energy Service rate.

Attachment EAD-5 (Perm)
Revenue Allocations and ROR's
November 20, 2019 Update

**Distribution Revenue Allocation
Permanent Rate Year 1**

Current Rate Distribution Revenue	\$ 350,492.4	Source
Proposed Distribution Increase	\$ 69,254.5	Col B Line 66
Proposed Distribution Revenue	\$ 419,746.9	Attachment EHC/TMD-2, page 1, line 31
Average Rate Change %	19.8%	Line 15 + Line 17
Billed Sales	7,954,422	Line 19 / Line 15
Average Rate Change Per kWh	0.00871	Col A Line 66
		Line 17 / Line 23

	A	B	C	D	E = B + D	F	G = F - B	H = G / A	I = F / B
Rate	Test Year 2018 Billed Sales (MWh)	Current Rate Distribution Revenue (Rev \$000)	Allocation To Average	Proposed D Increase (Rev \$000)	Distribution Target (Rev \$000)	Proposed Rate Distribution Revenue	Difference Proposed vs Current (Rev \$000)	c/kWh	% Chg.
R	3,144,509	\$ 197,334.9		\$ 46,790.1	\$ 244,125.0	\$ 244,120.4			
R-TOD	462	34.6		8.2	42.9	42.0			
	3,144,971	197,369.5	120%	46,798.3	244,167.9	244,162.4	46,792.9	1.488	23.71%
R-WH	92,916	4,195.3		992.0	5,187.4	5,187.4			
G-WH	3,379	136.8		34.9	171.6	171.6			
	96,295	4,332.1	120%	1,026.9	5,359.0	5,359.0	1,026.9	1.105	23.70%
LCS-R	36,777	447.5		98.3	545.8	545.8			
LCS-G	4,510	28.9		7.2	36.0	36.0			
	41,287	476.3	112%	105.5	581.8	581.8	105.5	0.256	22.15%
G	1,715,822	83,771.9		13,626.4	97,398.3	97,416.0			
G-TOD	856	173.2		28.2	201.4	199.6			
	1,716,678	83,945.1	82%	13,654.6	97,599.7	97,615.7	13,670.6	0.796	16.29%
G-SH	5,452	201.7	87%	34.7	236.5	236.4	34.7	0.637	17.21%
GV	1,665,676	36,211.5	84%	6,030.8	42,242.3	42,238.8	6,027.2	0.362	16.64%
LG	1,172,439	18,846.4	94%	3,491.5	22,337.9	22,328.3	3,481.9	0.297	18.48%
B-GV	2,778	214.6		20.9	235.5	235.4			
B-LG	80,345	1,304.4		127.2	1,431.6	1,432.0			
	83,123	1,519.0	49%	148.1	1,667.1	1,667.4	148.5	0.179	9.78%
EOL	11,371	3,081.8		(1,574.5)	1,507.3	1,507.3			
OL	17,130	4,509.0		(461.5)	4,047.4	4,047.4			
	28,501	7,590.8	-136%	(2,036.1)	5,554.7	5,554.7	(2,036.1)	(7.144)	-26.82%
Total Retail	7,954,422	\$ 350,492.4		\$ 69,254.5	\$ 419,746.9	\$ 419,744.6	69,252.2	0.871	19.76%
		Residual Allocation	\$ 23,360		Distribution Target	\$ 419,746.9			
					Difference	\$ (2.3)			

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Distribution Revenue Allocation Workpaper

		Source
Proposed Change	\$ 69,254.5	Attachment EHC/TMD-2, page 1, line 31
Proposed Change - Directly Assigned	\$ 45,894.7	line 48
Proposed Change - Residual Allocation	\$ 23,359.8	line 11 - line 13

Proposed Distribution Increase - Residual Allocation

Rate Class	Levelized Return 7.62% A	% of Total B = A / line 34	Proposed Distribution Change C = B x line 15
Rates G & G-TOD	17,263	58.5%	13,654.6
Rate G-SH	44	0.1%	34.7
Rate GV	7,624	25.8%	6,030.8
Rate LG	4,414	14.9%	3,491.5
Rate B-GV & B-LG	187	0.6%	148.1
Total Residual Allocation	29,532	100.0%	23,359.8

Proposed Distribution Increase - Directly Assigned

Rate Class	Allocation to Average	Proposed Distribution Change
Rates R & R-TOD	120%	46,798.3
Rates R-WH & G-WH	119%	1,026.9
Rates LCS-R & LCS-G	113%	105.5
Rates EOL & OL	-134%	-2,036.1
Total Directly Assigned		45,894.7
Total Proposed Change		69,254.5

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**Proposed Unitized Rate of Return
by Rate Class**

Rate Class	Rate Base A	Current Return B	Current Rate		Proposed Rate Permanent			
			ROR %	Unitized ROR	Incremental		ROR %	Unitized ROR
			C = B / A	D = C / C line 38	Revenue E	Return 72.44% F = E * 72.44%	G = (B + F) / A	H = G / G line 38
Rates R & R-TOD	796,079	1,804	0.23%	0.07	\$ 46,798	33,900	4.48%	0.59
Rate R-WH & G-WH	15,578	181	1.16%	0.34	\$ 1,027	744	5.94%	0.78
Rate LCS R&G	4,608	(451)	-9.78%	-2.83	\$ 105	76	-8.12%	(1.07)
Rate G & G-TOD	226,652	21,180	9.34%	2.71	\$ 13,655	9,891	13.71%	1.81
Rate G-SH	576	47	8.07%	2.34	\$ 35	25	12.43%	1.64
Rates GV	100,105	11,309	11.30%	3.27	\$ 6,031	4,369	15.66%	2.07
Rate LG	57,956	4,829	8.33%	2.41	\$ 3,492	2,529	12.70%	1.68
Rate B GV&LG	2,458	683	27.80%	8.06	\$ 148	107	32.17%	4.25
Rate OL	8,965	1,017	11.35%	3.29	\$ (462)	(334)	7.62%	1.01
Rate EOL	<u>2,690</u>	<u>1,345</u>	<u>50.01%</u>	<u>14.49</u>	<u>\$ (1,575)</u>	<u>\$ (1,141)</u>	<u>7.62%</u>	<u>1.01</u>
Total Company	1,215,668	41,945	3.45%	1.00	\$ 69,254	50,167	7.58%	1.00

Attachment EAD-6 (Perm)
SUMMARY OF CURRENT AND PROPOSED RATES
November 20, 2019 Update

SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

Rate	Blocks	Current Rates (01/01/18)	Proposed Rates (07/01/20)	Percent Change
R	Customer charge All KWH	\$ 12.69 0.04141	\$ 13.89 0.05427	9.46% 31.06%
Uncontrolled				
Water	Meter charge	\$ 4.47	\$ 4.89	9.40%
Heating	All KWH	0.02030	0.02872	41.48%
Controlled				
Water	Meter charge	\$ 7.88	\$ 4.89	-37.94%
Heating	All KWH	0.00120	0.01496	1146.67%
R-OTOD	Customer charge	\$ 29.47	\$ 32.25	9.43%
	On-peak KWH	\$ 0.13235	\$ 0.15380	16.21%
	Off-peak KWH	0.00193	0.01106	473.06%
G	Single phase customer charge	\$ 14.89	\$ 18.00	20.89%
	Three phase customer charge	29.76	36.00	20.97%
	Load charge (over 5 KW)	\$ 8.72	\$ 10.47	20.07%
	First 500 KWH	\$ 0.06986	\$ 0.07646	9.45%
	Next 1,000 KWH	0.01731	0.01894	9.42%
	All additional KWH	0.00612	0.00670	9.48%
Space Heating	Meter charge	\$ 2.98	\$ 3.26	9.40%
	All KWH	0.03426	0.04037	17.83%
G-OTOD	Single phase customer charge	\$ 38.57	\$ 42.21	9.44%
	Three phase customer charge	55.12	60.32	9.43%
	Load charge	\$ 12.15	\$ 14.23	17.12%
	On-peak KWH	0.04901	0.05364	9.45%
	Off-peak KWH	0.00768	0.00841	9.51%
LCS	Radio-controlled option	\$ 9.11	\$ 11.27	23.71%
	8, 10 or 11-hour option	7.88	4.89	-37.94%
	Switch option	9.11	4.89	-46.32%
	Radio-controlled option	\$ 0.00120	\$ 0.00148	23.33%
	8-hour option	0.00120	0.01496	1146.67%
	10 or 11-hour option	0.02448	0.02872	17.32%

SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

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Rate	Blocks	Current Rates (01/01/18)	Proposed Rates (07/01/20)	Percent Change
GV	Customer charge	\$ 194.03	\$ 226.65	16.81%
	First 100 KW	\$ 5.58	\$ 6.67	19.53%
	All additional KW	5.34	6.40	19.85%
	First 200,000 KWH	\$ 0.00606	\$ 0.00663	9.41%
	All additional KWH	0.00509	0.00557	9.43%
	Minimum Charge	\$ 893.00	\$ 1,043.00	16.80%
LG	Customer charge	\$ 606.47	\$ 719.88	18.70%
	Demand charge	\$ 4.75	\$ 5.81	22.32%
	On-peak KWH	\$ 0.00508	\$ 0.00556	9.45%
	Off-peak KWH	0.00429	0.00470	9.56%
	Minimum Charge	\$ 947.00	\$ 1,124.00	18.69%
	Discount for Service at 115kV	\$ (0.43)	\$ (0.51)	18.60%
B Service at less than 115 KV	Administrative charge	\$ 341.84	\$ 374.12	9.44%
	Translation charge	57.34	62.75	9.43%
	Demand charge	\$ 4.48	\$ 4.92	9.82%
	All KWH	Energy charges in the standard rate		
B Service at 115 KV or higher	Administrative charge	\$ 341.84	\$ 374.12	9.44%
	Translation charge	57.34	62.75	9.43%
	Demand charge	Not applicable		
	All KWH	Not applicable		

SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

Outdoor Lighting Service Rate OL

	<u>Lumens</u>	<u>Watts</u>	<u>Current Rates (01/01/18)</u>	<u>Proposed Rates (07/01/20)</u>	<u>Percent Change</u>
For new and existing installations					
High Pressure Sodium	4,000	50	\$ 15.83	\$ 14.21	-10.24%
	5,800	70	15.83	14.21	-10.24%
	9,500	100	21.05	18.90	-10.24%
	16,000	150	29.77	26.72	-10.24%
	30,000	250	30.51	27.39	-10.24%
	50,000	400	30.85	27.69	-10.24%
	130,000	1,000	49.51	44.44	-10.24%
Metal Halide	5,000	70	16.51	14.82	-10.24%
	8,000	100	22.60	20.29	-10.24%
	13,000	150	31.01	27.84	-10.24%
	13,500	175	31.67	28.43	-10.24%
	20,000	250	31.67	28.43	-10.24%
	36,000	400	31.96	28.69	-10.24%
	100,000	1,000	47.91	43.01	-10.24%
Light Emitting Diode (LED)	2,500	28		8.91	
	4,100	36		8.88	
	4,800	51		9.04	
	8,500	92		10.08	
	13,300	142		11.27	
	24,500	220		14.45	
For existing installations only					
Incandescent	600	105	9.12	8.19	-10.24%
	1,000	105	10.18	9.14	-10.24%
	2,500	205	13.06	11.72	-10.24%
	6,000	448	22.44	20.14	-10.24%
Mercury	3,500	100	13.96	12.53	-10.24%
	7,000	175	16.80	15.08	-10.24%
	11,000	250	20.77	18.64	-10.24%
	15,000	400	23.76	21.33	-10.24%
	20,000	400	25.65	23.02	-10.24%
	56,000	1,000	40.77	36.60	-10.24%
Fluorescent	20,000	330	34.79	31.23	-10.24%
High Pressure Sodium in existing mercury luminaires					
	12,000	150	21.77	19.54	-10.24%
	34,200	360	27.87	25.02	-10.24%

SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

Energy Efficient Outdoor Lighting Service Rate EOL

	<u>Lumens</u>	<u>Watts</u>	<u>Current Rates (01/01/18)</u>	<u>Proposed Rates (07/01/20)</u>	<u>Percent Change</u>
21 High Pressure Sodium	4,000	50	\$ 8.42	\$ 5.03	-40.24%
22	5,800	70	8.42	5.34	-36.60%
23	9,500	100	10.36	5.76	-44.38%
24	16,000	150	11.39	6.42	-43.66%
25	30,000	250	11.39	7.64	-32.88%
26	50,000	400	11.76	9.35	-20.52%
27	130,000	1,000	22.32	16.02	-28.22%
28					
29 Metal Halide	5,000	70	8.75	\$ 5.36	-38.75%
30	8,000	100	11.57	5.70	-50.75%
31	13,000	150	12.35	6.43	-47.95%
32	13,500	175	13.00	6.60	-49.25%
33	20,000	250	13.22	7.46	-43.54%
34	36,000	400	13.59	9.18	-32.46%
35	100,000	1,000	24.21	15.84	-34.57%
36					
37 LED's and other technologies accepted by the Company					
38 Per fixture charge			3.37	1.92	-42.92%
39 Per watt charge			\$ 0.05130	\$ 0.01058	-79.38%
40					

Attachment EAD-7 (Perm)
DETAILED REVENUE CALCULATIONS
November 20, 2019 Update

Summary of Revenues by Type and Class

Current Revenues						
	Distribution	Transmission	SCRC	SBC	Energy	Total
Rate R	197,334,891	64,116,545	43,960,240	18,426,825	313,979,255	637,817,756
Rate R CWH	24,218	8,596	4,505	3,192	54,391	94,902
Rate R UWH	4,171,103	1,457,621	1,291,352	541,296	9,223,283	16,684,655
Rate R LCS	447,452	580,341	304,144	215,513	3,672,172	5,219,622
Rate R OTOD	34,646	7,230	5,576	2,704	46,083	96,239
Rate R	202,012,310	66,170,333	45,565,817	19,189,530	326,975,184	659,913,174
Rate G	83,771,868	33,051,863	22,240,621	10,054,718	171,324,845	320,443,915
Rate G CWH	-	-	-	-	-	-
Rate G UWH	136,750	53,325	45,215	19,803	337,423	592,516
Rate G LCS	28,868	71,165	35,628	26,428	450,312	612,401
Rate G Space	201,725	103,585	90,828	31,948	544,368	972,454
Rate G OTOD	173,196	37,479	11,946	5,016	85,468	313,105
Rate G	84,312,407	33,317,417	22,424,238	10,137,913	172,742,416	322,934,391
Rate GV	36,426,129	29,851,680	17,712,355	9,777,142	203,918,468	297,685,774
Rate LG	20,150,790	19,418,882	3,573,962	7,341,311	153,115,196	203,600,141
Rate OL/EOL	7,590,790	397,309	454,882	167,018	2,845,861	11,455,860
TOTAL	350,492,426	149,155,621	89,731,254	46,612,914	859,597,125	1,495,589,340

Proposed Revenues						
	Distribution	Transmission	SCRC	SBC	Energy	Total
Rate R	244,120,398	64,116,545	43,960,240	18,426,825	313,979,255	684,603,263
Rate R CWH	22,772	8,596	4,505	3,192	54,391	93,456
Rate R UWH	5,164,598	1,457,621	1,291,352	541,296	9,223,283	17,678,150
Rate R LCS	545,783	580,341	304,144	215,513	3,672,172	5,317,953
Rate R OTOD	42,047	7,230	5,576	2,704	46,083	103,640
Rate R	249,895,598	66,170,333	45,565,817	19,189,530	326,975,184	707,796,462
Rate G	97,416,030	33,051,863	22,240,621	10,054,718	171,324,845	334,088,077
Rate G CWH	-	-	-	-	-	-
Rate G UWH	171,606	53,325	45,215	19,803	337,423	627,372
Rate G LCS	36,031	71,165	35,628	26,428	450,312	619,564
Rate G Space	236,440	103,585	90,828	31,948	544,368	1,007,169
Rate G OTOD	199,627	37,479	11,946	5,016	85,468	339,536
Rate G	98,059,734	33,317,417	22,424,238	10,137,913	172,742,416	336,681,718
Rate GV	42,474,203	29,851,680	17,712,355	9,777,142	203,918,468	303,733,848
Rate LG	23,760,313	19,418,882	3,573,962	7,341,311	153,115,196	207,209,664
Rate OL/EOL	5,554,739	397,309	454,882	167,018	2,845,861	9,419,809
TOTAL	419,744,587	149,155,621	89,731,254	46,612,914	859,597,125	1,564,841,501

Source of data is EAD-7 (Perm), pages 2 through 11

Comparison of Current vs Proposed
Permanent Rates

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Rate R - Residential Electric Service							
Customer Charge							
Customer Charge	5,289,264	\$ 12.69	\$ 67,120,760	\$ 13.89	\$ 73,467,877	\$ 6,347,117	9.46%
Energy Charge All kWh	3,144,509,315						
Distribution		\$ 0.04141	\$130,214,131	\$ 0.05427	\$170,652,521	\$ 40,438,390	31.06%
Transmission		0.02039	64,116,545	0.02039	64,116,545	-	0.00%
Stranded Cost Recovery Charge		0.01398	43,960,240	0.01398	43,960,240	-	0.00%
System Benefits Charge		0.00586	18,426,825	0.00586	18,426,825	-	0.00%
Energy Service Charge		0.09985	313,979,255	0.09985	313,979,255	-	0.00%
Distribution Impact Only		\$ 0.06276	\$197,334,891	\$ 0.07763	\$ 244,120,398	\$ 46,785,507	23.71%
Total Change		\$ 0.20284	\$637,817,756	\$ 0.21771	\$684,603,263	\$ 46,785,507	7.34%
Rate R - Residential Uncontrolled Water Heating							
Customer Charge							
Customer Charge	513,638	\$ 4.47	\$ 2,295,964	\$ 4.89	\$ 2,511,692	\$ 215,728	9.40%
Energy Charge All kWh	92,371,389						
Distribution		\$ 0.02030	\$ 1,875,139	\$ 0.02872	\$ 2,652,906	\$ 777,767	41.48%
Transmission		0.01578	1,457,621	0.01578	1,457,621	-	0.00%
Stranded Cost Recovery Charge		0.01398	1,291,352	0.01398	1,291,352	-	0.00%
System Benefits Charge		0.00586	541,296	0.00586	541,296	-	0.00%
Energy Service Charge		0.09985	9,223,283	0.09985	9,223,283	-	0.00%
Distribution Impact Only		\$ 0.04516	\$ 4,171,103	\$ 0.05591	\$ 5,164,598	\$ 993,495	23.82%
Total Change		\$ 0.18063	\$ 16,684,655	\$ 0.19138	\$ 17,678,150	\$ 993,495	5.95%
Rate R - Residential Controlled Water Heating							
Customer Charge							
Customer Charge	2,990	\$ 7.88	\$ 23,564	\$ 4.89	\$ 14,623	\$ (8,941)	-37.94%
Energy Charge All kWh	544,730						
Distribution		\$ 0.00120	\$ 654	\$ 0.01496	\$ 8,149	\$ 7,495	1146.67%
Transmission		0.01578	8,596	0.01578	8,596	-	0.00%
Stranded Cost Recovery Charge		0.00827	4,505	0.00827	4,505	-	0.00%
System Benefits Charge		0.00586	3,192	0.00586	3,192	-	0.00%
Energy Service Charge		0.09985	54,391	0.09985	54,391	-	0.00%
Distribution Impact Only		\$ 0.04446	\$ 24,218	\$ 0.04180	\$ 22,772	\$ (1,446)	-5.97%
Total Change		\$ 0.17422	\$ 94,902	\$ 0.17156	\$ 93,456	\$ (1,446)	-1.52%

Comparison of Current vs Proposed
Permanent Rates

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Rate R - Load Control Service, Radio Controlled							
Customer Charge	41,348	\$ 9.11	\$ 376,678	\$ 11.27	\$ 465,989	\$ 89,311	23.71%
Energy Charge All kWh	36,095,933						
Distribution		\$ 0.00120	\$ 43,315	\$ 0.00148	\$ 53,422	\$ 10,107	23.33%
Transmission		0.01578	569,594	0.01578	569,594	-	0.00%
Stranded Cost Recovery Charge		0.00827	298,513	0.00827	298,513	-	0.00%
System Benefits Charge		0.00586	211,522	0.00586	211,522	-	0.00%
Energy Service Charge		0.09985	3,604,179	0.09985	3,604,179	-	0.00%
Distribution Impact Only		\$ 0.01164	\$ 419,993	\$ 0.01439	\$ 519,411	\$ 99,418	23.67%
Total Change		\$ 0.14140	\$ 5,103,801	\$ 0.14415	\$ 5,203,219	\$ 99,418	1.95%
Rate R - Load Control Service, 8 Hour Switch							
Customer Charge	145	\$ 9.11	\$ 1,316	\$ 4.89	\$ 707	\$ (609)	-46.32%
Energy Charge All kWh	44,152						
Distribution		\$ 0.00120	\$ 53	\$ 0.01496	\$ 661	\$ 608	1146.67%
Transmission		0.01578	697	0.01578	697	-	0.00%
Stranded Cost Recovery Charge		0.00827	365	0.00827	365	-	0.00%
System Benefits Charge		0.00586	259	0.00586	259	-	0.00%
Energy Service Charge		0.09985	4,409	0.09985	4,409	-	0.00%
Distribution Impact Only		\$ 0.03101	\$ 1,369	\$ 0.03098	\$ 1,368	\$ (1)	-0.07%
Total Change		\$ 0.16079	\$ 7,099	\$ 0.16076	\$ 7,098	\$ (1)	-0.01%
Rate R - Load Control Service, 8 Hour No Switch							
Customer Charge	1,249	\$ 7.88	\$ 9,844	\$ 4.89	\$ 6,109	\$ (3,735)	-37.94%
Energy Charge All kWh	357,451						
Distribution		\$ 0.00120	\$ 429	\$ 0.01496	\$ 5,347	\$ 4,918	1146.67%
Transmission		0.01578	5,641	0.01578	5,641	-	0.00%
Stranded Cost Recovery Charge		0.00827	2,956	0.00827	2,956	-	0.00%
System Benefits Charge		0.00586	2,095	0.00586	2,095	-	0.00%
Energy Service Charge		0.09985	35,691	0.09985	35,691	-	0.00%
Distribution Impact Only		\$ 0.02874	\$ 10,273	\$ 0.03205	\$ 11,456	\$ 1,183	11.52%
Total Change		\$ 0.15850	\$ 56,656	\$ 0.16181	\$ 57,839	\$ 1,183	2.09%
Rate R - Load Control Service, 10/11 Hour Switch							
Customer Charge	60	\$ 9.11	\$ 547	\$ 4.89	\$ 293	\$ (254)	-46.32%
Energy Charge All kWh	13,784						
Distribution		\$ 0.02448	\$ 337	\$ 0.02872	\$ 396	\$ 59	17.32%
Transmission		0.01578	218	0.01578	218	-	0.00%
Stranded Cost Recovery Charge		0.00827	114	0.00827	114	-	0.00%
System Benefits Charge		0.00586	81	0.00586	81	-	0.00%
Energy Service Charge		0.09985	1,376	0.09985	1,376	-	0.00%
Distribution Impact Only		\$ 0.06413	\$ 884	\$ 0.04999	\$ 689	\$ (195)	-22.06%
Total Change		\$ 0.19392	\$ 2,673	\$ 0.17977	\$ 2,478	\$ (195)	-7.30%
Rate R - Load Control Service, 10/11 Hour No Switch							
Customer Charge	1,070	\$ 7.88	\$ 8,432	\$ 4.89	\$ 5,232	\$ (3,200)	-37.94%
Energy Charge All kWh	265,564						
Distribution		\$ 0.02448	\$ 6,501	\$ 0.02872	\$ 7,627	\$ 1,126	17.32%
Transmission		0.01578	4,191	0.01578	4,191	-	0.00%
Stranded Cost Recovery Charge		0.00827	2,196	0.00827	2,196	-	0.00%
System Benefits Charge		0.00586	1,556	0.00586	1,556	-	0.00%
Energy Service Charge		0.09985	26,517	0.09985	26,517	-	0.00%
Distribution Impact Only		\$ 0.05623	\$ 14,933	\$ 0.04842	\$ 12,859	\$ (2,074)	-13.89%
Total Change		\$ 0.18599	\$ 49,393	\$ 0.17818	\$ 47,319	\$ (2,074)	-4.20%

Comparison of Current vs Proposed
Permanent Rates

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
11	Rate R - Optional Time of Day						
16	Customer Charge						
17	466	\$ 29.47	\$ 13,721	\$ 32.25	\$ 15,016	\$ 1,295	9.44%
19	Energy Charge On Peak kWh						
19	153,613						
20	Distribution	\$ 0.13235	\$ 20,331	\$ 0.15380	\$ 23,626	\$ 3,295	16.21%
21	Transmission	0.02039	3,132	0.02039	3,132	-	0.00%
22	Stranded Cost Recovery Charge	0.01208	1,856	0.01208	1,856	-	0.00%
23	System Benefits Charge	0.00586	900	0.00586	900	-	0.00%
24	Energy Service Charge	0.09985	15,338	0.09985	15,338	-	0.00%
26	Energy Charge Off Peak kWh						
26	307,907						
27	Distribution	\$ 0.00193	\$ 594	\$ 0.01106	\$ 3,405	\$ 2,811	473.23%
28	Transmission	0.01331	4,098	0.01331	4,098	-	0.00%
29	Stranded Cost Recovery Charge	0.01208	3,720	0.01208	3,720	-	0.00%
30	System Benefits Charge	0.00586	1,804	0.00586	1,804	-	0.00%
31	Energy Service Charge	0.09985	30,745	0.09985	30,745	-	0.00%
33	Distribution Impact Only	\$ 0.07507	\$ 34,646	\$ 0.09111	\$ 42,047	\$ 7,401	21.36%
34	Total Change	\$ 0.20853	\$ 96,239	\$ 0.22456	\$ 103,640	\$ 7,401	7.69%

Comparison of Current vs Proposed
Permanent Rates

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg	
11	Rate G - General Service							
16	Customer Charge							
17	Customer Charge 1 Phase	682,271	\$ 14.89	\$ 10,159,015	\$ 18.00	\$ 12,280,878	2,121,863	20.89%
18	Customer Charge 3 Phase	235,118	29.76	6,997,118	36.00	8,464,255	1,467,137	20.97%
21	Demand Charge >5 kW							
22	Distribution	4,060,918	\$ 8.72	\$ 35,411,205	\$ 10.47	\$ 42,517,811	7,106,606	20.07%
23	Transmission		5.26	21,360,429	5.26	21,360,429	-	0.00%
24	Stranded Cost Recovery Charge		0.96	3,898,481	0.96	3,898,481	-	0.00%
26	Energy Charge < 500 kWh							
27	Distribution	273,389,497	\$ 0.06986	\$ 19,098,990	\$ 0.07646	\$ 20,903,361	1,804,371	9.45%
28	Transmission		0.01900	5,194,400	0.01900	5,194,400	-	0.00%
29	Stranded Cost Recovery Charge		0.01069	2,922,534	0.01069	2,922,534	-	0.00%
30	System Benefits Charge		0.00586	1,602,062	0.00586	1,602,062	-	0.00%
31	Energy Service Charge		0.09985	27,297,941	0.09985	27,297,941	-	0.00%
34	Energy Charge 501 - 1500 kWh							
35	Distribution	292,926,918	\$ 0.01731	\$ 5,070,565	\$ 0.01894	\$ 5,548,036	477,471	9.42%
36	Transmission		0.00715	2,094,427	0.00715	2,094,427	-	0.00%
37	Stranded Cost Recovery Charge		0.01069	3,131,389	0.01069	3,131,389	-	0.00%
38	System Benefits Charge		0.00586	1,716,552	0.00586	1,716,552	-	0.00%
39	Energy Service Charge		0.09985	29,248,753	0.09985	29,248,753	-	0.00%
42	Energy Charge >1500 kWh							
43	Distribution	1,149,505,765	\$ 0.00612	7,034,975	\$ 0.00670	7,701,689	666,714	9.48%
44	Transmission		0.00383	4,402,607	0.00383	4,402,607	-	0.00%
45	Stranded Cost Recovery Charge		0.01069	12,288,217	0.01069	12,288,217	-	0.00%
46	System Benefits Charge		0.00586	6,736,104	0.00586	6,736,104	-	0.00%
47	Energy Service Charge		0.09985	114,778,151	0.09985	114,778,151	-	0.00%
49	Distribution Impact Only		\$ 0.04882	83,771,868	\$ 0.05678	\$ 97,416,030	\$ 13,644,162	16.29%
50	Total Change		\$ 0.18676	320,443,915	\$ 0.19471	\$334,088,077	\$ 13,644,162	4.26%

Comparison of Current vs Proposed
Permanent Rates

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
11	Rate G - General Service Uncontrolled Water Heating						
16	Customer Charge						
17	Customer Charge	15,246	\$ 4.47	\$ 68,150	\$ 4.89	\$ 74,553	\$ 6,403 9.40%
19	Energy Charge All kWh						
20	Distribution	3,379,300	\$ 0.02030	\$ 68,600	\$ 0.02872	\$ 97,053	\$ 28,453 41.48%
21	Transmission		0.01578	53,325	0.01578	53,325	- 0.00%
22	Stranded Cost Recovery Charge		0.01338	45,215	0.01338	45,215	- 0.00%
23	System Benefits Charge		0.00586	19,803	0.00586	19,803	- 0.00%
24	Energy Service Charge		0.09985	337,423	0.09985	337,423	- 0
26	Distribution Impact Only		\$ 0.04047	\$ 136,750	\$ 0.05078	\$ 171,606	\$ 34,856 25.49%
27	Total Change		\$ 0.17534	\$ 592,516	\$ 0.18565	\$ 627,372	\$ 34,856 5.88%
29	Rate G - General Service Controlled Water Heating						
32	Customer Charge						
33	Customer Charge	-	\$ 7.88	\$ -	\$ 4.89	\$ -	\$ - -37.94%
35	Energy Charge All kWh						
36	Distribution	-	\$ 0.00120	\$ -	\$ 0.01496	\$ -	\$ - 1146.67%
37	Transmission		0.01578	-	0.01578	-	- 0.00%
38	Stranded Cost Recovery Charge		0.00790	-	0.00790	-	- 0.00%
39	System Benefits Charge		0.00586	-	0.00586	-	- 0.00%
40	Energy Service Charge		0.09985	-	0.09985	-	- 0.00%
42	Distribution Impact Only			\$ -		\$ -	\$ -
43	Total Change			\$ -		\$ -	\$ -

Comparison of Current vs Proposed
Permanent Rates

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Rate G - Space Heating							
Customer Charge							
Customer Charge	5,015	\$ 2.98	\$ 14,944	\$ 3.26	\$ 16,348	\$ 1,404	9.40%
Energy Charge All kWh							
Distribution	5,451,861	\$ 0.03426	\$ 186,781	\$ 0.04037	\$ 220,092	\$ 33,311	17.83%
Transmission		0.01900	103,585	0.01900	103,585	-	0.00%
Stranded Cost Recovery Charge		0.01666	90,828	0.01666	90,828	-	0.00%
System Benefits Charge		0.00586	31,948	0.00586	31,948	-	0.00%
Energy Service Charge		0.09985	544,368	0.09985	544,368	-	0.00%
Distribution Impact Only		\$ 0.03700	\$ 201,725	\$ 0.04337	\$ 236,440	\$ 34,715	17.21%
Total		\$ 0.17837	\$ 972,454	\$ 0.18474	\$ 1,007,169	\$ 34,715	3.57%
Rate G - Optional Time of Day							
Customer Charge							
Customer Charge 1 Phase	199	\$ 38.57	\$ 7,675	\$ 42.21	\$ 8,400	\$ 725	9.44%
Customer Charge 3 Phase	261	55.12	14,364	60.32	15,719	1,355	
Demand Charge							
Distribution	10,801	\$ 12.15	\$ 131,232	\$ 14.23	\$ 153,698	\$ 22,466	
Transmission		3.47	37,479	3.47	37,479	-	0.00%
Stranded Cost Recovery Charge		0.48	5,184	0.48	5,184	-	
Energy Charge On Peak kWh							
Distribution	323,044	\$ 0.04901	\$ 15,832	\$ 0.05364	\$ 17,328	\$ 1,496	9.45%
Transmission		-	-	-	-	-	
Stranded Cost Recovery Charge		0.00790	2,552	0.00790	2,552	-	0.00%
System Benefits Charge		0.00586	1,893	0.00586	1,893	-	0.00%
Energy Service Charge		0.09985	32,256	0.09985	32,256	-	0.00%
Energy Charge Off Peak kWh							
Distribution	532,915	\$ 0.00768	\$ 4,093	\$ 0.00841	\$ 4,482	\$ 389	9.51%
Transmission		-	-	-	-	-	
Stranded Cost Recovery Charge		0.00790	4,210	0.00790	4,210	-	0.00%
System Benefits Charge		0.00586	3,123	0.00586	3,123	-	0.00%
Energy Service Charge		0.09985	53,212	0.09985	53,212	-	0.00%
Distribution Impact Only		\$ 0.20234	\$ 173,196	\$ 0.23322	\$ 199,627	\$ 26,431	15.26%
Total Change		\$ 0.36579	\$ 313,105	\$ 0.39667	\$ 339,536	\$ 26,431	8.44%

Comparison of Current vs Proposed
Permanent Rates

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Rate G - Load Control Service, Radio Controlled							
Customer Charge							
Customer Charge	2,298	\$ 9.11	\$ 20,935	\$ 11.27	\$ 25,898	\$ 4,963	23.71%
Energy Charge All kWh	4,365,538						
Distribution		\$ 0.00120	\$ 5,239	\$ 0.00148	\$ 6,461	\$ 1,222	23.33%
Transmission		0.01578	68,888	0.01578	68,888	-	0.00%
Stranded Cost Recovery Charge		0.00790	34,488	0.00790	34,488	-	0.00%
System Benefits Charge		0.00586	25,582	0.00586	25,582	-	0.00%
Energy Service Charge		0.09985	435,899	0.09985	435,899	-	0.00%
Distribution Impact Only		\$ 0.00600	\$ 26,174	\$ 0.00741	\$ 32,359	\$ 6,185	23.63%
Total Change		\$ 0.13539	\$ 591,031	\$ 0.13680	\$ 597,216	\$ 6,185	1.05%
Rate G - Load Control Service, 8 Hour No Switch							
Customer Charge							
Customer Charge	72	\$ 7.88	\$ 567	\$ 4.89	\$ 352	\$ (215)	-37.94%
Energy Charge All kWh	68,521						
Distribution		\$ 0.00120	\$ 82	\$ 0.01496	\$ 1,025	\$ 943	1146.67%
Transmission		0.01578	1,081	0.01578	1,081	-	0.00%
Stranded Cost Recovery Charge		0.00790	541	0.00790	541	-	0.00%
System Benefits Charge		0.00586	402	0.00586	402	-	0.00%
Energy Service Charge		0.09985	6,842	0.09985	6,842	-	0.00%
Distribution Impact Only		\$ 0.00947	\$ 649	\$ 0.02010	\$ 1,377	\$ 728	112.17%
Total Change		\$ 0.13886	\$ 9,515	\$ 0.14949	\$ 10,243	\$ 728	7.65%
Rate G - Load Control Service, 8 Hour Switch							
Customer Charge							
Customer Charge	0	\$ 9.11	\$ -	\$ 4.89	\$ -	\$ -	-46.32%
Energy Charge All kWh	0						
Distribution		\$ 0.00120	\$ -	\$ 0.01496	\$ -	\$ -	1146.67%
Transmission		0.01578	-	0.01578	-	-	0.00%
Stranded Cost Recovery Charge		0.00790	-	0.00790	-	-	0.00%
System Benefits Charge		0.00586	-	0.00586	-	-	0.00%
Energy Service Charge		0.09985	-	0.09985	-	-	0.00%
Distribution Impact Only			\$ -		\$ -	\$ -	
Total Change			\$ -		\$ -	\$ -	
Rate G - Load Control Service, 10/11 Hour Switch							
Customer Charge							
Customer Charge	0	\$ 9.11	\$ -	\$ 4.89	\$ -	\$ -	-46.32%
Energy Charge All kWh	0						
Distribution		\$ 0.02448	\$ -	\$ 0.02872	\$ -	\$ -	17.32%
Transmission		0.01578	-	0.01578	-	-	0.00%
Stranded Cost Recovery Charge		0.00790	-	0.00790	-	-	0.00%
System Benefits Charge		0.00586	-	0.00586	-	-	0.00%
Energy Service Charge		0.09985	-	0.09985	-	-	0.00%
Distribution Impact Only			\$ -		\$ -	\$ -	
Total Change			\$ -		\$ -	\$ -	
Rate G - Load Control Service, 10/11 Hour No Switch							
Customer Charge							
Customer Charge	24	\$ 7.88	\$ 189	\$ 4.89	\$ 117	\$ (72)	-37.94%
Energy Charge All kWh	75,820						
Distribution		\$ 0.02448	\$ 1,856	\$ 0.02872	\$ 2,178	\$ 322	17.32%
Transmission		0.01578	1,196	0.01578	1,196	-	0.00%
Stranded Cost Recovery Charge		0.00790	599	0.00790	599	-	0.00%
System Benefits Charge		0.00586	444	0.00586	444	-	0.00%
Energy Service Charge		0.09985	7,571	0.09985	7,571	-	0.00%
Distribution Impact Only		\$ 0.02697	\$ 2,045	\$ 0.03027	\$ 2,295	\$ 250	12.22%
Total Change		\$ 0.15636	\$ 11,855	\$ 0.15965	\$ 12,105	\$ 250	2.11%

Comparison of Current vs Proposed
Permanent Rates

Rate GV	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Customer Charge							
Customer Charge	16,601	\$ 194.03	\$ 3,221,053	\$ 226.65	\$ 3,762,571	\$ 541,518	16.81%
Demand 1-100 kW	1,568,428						
Distribution		\$ 5.58	\$ 8,751,828	\$ 6.67	\$ 10,461,415	\$ 1,709,587	19.53%
Transmission		7.04	11,041,733	7.04	11,041,733	-	0.00%
Stranded Cost Recovery Charge		0.83	1,301,795	0.83	1,301,795	-	0.00%
Demand > 100 kW	2,667,694						
Distribution		\$ 5.34	\$ 14,245,486	\$ 6.40	\$ 17,073,242	\$ 2,827,756	19.85%
Transmission		7.04	18,780,566	7.04	18,780,566	-	0.00%
Stranded Cost Recovery Charge		0.83	2,214,186	0.83	2,214,186	-	0.00%
Minimum Charge	123	\$ 893.00	\$ 110,064	\$ 1,043.00	\$ 128,552	\$ 18,488	16.80%
Energy Charge 1 - 200,000 kWh	1,448,276,753						
Distribution		\$ 0.00606	\$ 8,776,557	\$ 0.00663	\$ 9,602,075	\$ 825,518	9.41%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00850	12,310,352	0.00850	12,310,352	-	0.00%
System Benefits Charge		0.00586	8,486,902	0.00586	8,486,902	-	0.00%
Energy Service Charge		0.12222	177,008,385	0.12222	177,008,385	-	0.00%
Energy Charge >200,000 kWh	217,399,074						
Distribution		\$ 0.00509	\$ 1,106,561	\$ 0.00557	\$ 1,210,913	\$ 104,352	9.43%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00850	1,847,892	0.00850	1,847,892	-	0.00%
System Benefits Charge		0.00586	1,273,959	0.00586	1,273,959	-	0.00%
Energy Service Charge		0.12222	26,570,515	0.12222	26,570,515	-	0.00%
Distribution Impact Only		\$ 0.02174	\$ 36,211,549	\$ 0.02536	\$ 42,238,768	\$ 6,027,219	16.64%
Total Change		\$ 0.17833	\$297,047,834	\$ 0.18195	\$303,075,053	\$ 6,027,219	2.03%
Rate GV - Backup Service < 115 KV							
Administrative Charge	108	\$ 341.84	\$ 36,919	\$ 374.12	\$ 40,405	\$ 3,486	9.44%
Translation Charge	39	\$ 57.34	\$ 2,236	62.75	\$ 2,447	\$ 211	9.43%
Demand Charge	35,399						
Distribution		\$ 4.48	\$ 158,588	\$ 4.92	\$ 174,163	\$ 15,575	9.82%
Transmission		0.83	29,381	0.83	29,381	-	0.00%
Stranded Cost Recovery Charge		0.41	14,514	0.41	14,514	-	0.00%
Energy Charge 1 - 200,000 kWh	2,778,333						
Distribution		\$ 0.00606	\$ 16,837	\$ 0.00663	\$ 18,420	\$ 1,583	9.41%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00850	23,616	0.00850	23,616	-	0.00%
System Benefits Charge		0.00586	16,281	0.00586	16,281	-	0.00%
Energy Service Charge		0.12222	339,568	0.12222	339,568	-	0.00%
Energy Charge >200,000 kWh	0						
Distribution		\$ 0.00509	\$ -	\$ 0.00557	\$ -	\$ -	9.43%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00850	-	0.00850	-	-	0.00%
System Benefits Charge		0.00586	-	0.00586	-	-	0.00%
Energy Service Charge		0.12222	-	0.12222	-	-	0.00%
Distribution Impact Only		\$ 0.07723	\$ 214,580	\$ 0.08474	\$ 235,435	\$ 20,855	9.72%
Total Change		\$ 0.22961	\$ 637,940	\$ 0.23712	\$ 658,795	\$ 20,855	3.27%
Rate GV - Backup Service > 115 KV							
Administrative Charge	-	\$ 341.84	\$ -	\$ 374.12	\$ -	\$ -	9.44%
Translation Charge	-	\$ 57.34	\$ -	62.75	\$ -	\$ -	9.43%
Demand Charge	-						
Transmission		0.83	-	0.83	-	-	0.00%
Stranded Cost Recovery Charge		0.15	-	0.15	-	-	0.00%
Energy Charge On Peak	-						
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00256	-	0.00256	-	-	0.00%
System Benefits Charge		0.00586	-	0.00586	-	-	0.00%
Energy Service Charge		0.12222	-	0.12222	-	-	0.00%
Energy Charge Off Peak	-						
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00171	-	0.00171	-	-	0.00%
System Benefits Charge		0.00586	-	0.00586	-	-	0.00%
Energy Service Charge		0.12222	-	0.12222	-	-	0.00%
Distribution Impact Only		\$ -	\$ -	\$ -	\$ -	\$ -	
Total Charge		\$ -	\$ -	\$ -	\$ -	\$ -	

**Comparison of Current vs Proposed
Permanent Rates**

Rate LG	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Customer Charge							
Customer Charge	1,272	\$ 606.47	\$ 771,430	\$ 719.88	\$ 915,687	\$ 144,257	18.70%
Demand	2,661,538						
Distribution		\$ 4.75	\$ 12,642,306	\$ 5.81	\$ 15,463,536	\$ 2,821,230	22.32%
Transmission		6.93	18,444,458	6.93	18,444,458	-	0.00%
Stranded Cost Recovery Charge		0.30	798,461	0.30	798,461	-	0.00%
Minimum Charge	0	\$ 947.00	\$ -	\$ 1,124.00	\$ -	\$ -	18.69%
Discount for above 115kV	0	\$ (0.43)	\$ -	\$ (0.51)	\$ -	\$ -	18.60%
Energy Charge On Peak	510,025,661						
Distribution		\$ 0.00508	\$ 2,590,930	\$ 0.00556	\$ 2,835,743	\$ 244,813	9.45%
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00256	1,305,666	0.00256	1,305,666	-	0.00%
System Benefits Charge		0.00586	2,988,750	0.00586	2,988,750	-	0.00%
Energy Service Charge		0.12222	62,335,336	0.12222	62,335,336	-	0.00%
Energy Charge Off Peak	662,413,106						
Distribution		\$ 0.00429	\$ 2,841,752	\$ 0.00470	\$ 3,113,342	\$ 271,590	9.56%
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00171	1,132,726	0.00171	1,132,726	-	0.00%
System Benefits Charge		0.00586	3,881,741	0.00586	3,881,741	-	0.00%
Energy Service Charge		0.12222	80,960,130	0.12222	80,960,130	-	0.00%
Distribution Impact Only		\$ 0.01607	\$ 18,846,418	\$ 0.01904	\$ 22,328,308	\$ 3,481,890	18.48%
Total Charge		\$ 0.16265	\$190,693,686	\$ 0.16562	\$194,175,576	\$ 3,481,890	1.83%
Rate LG - Backup Service < 115 KV							
Administrative Charge	109	\$ 341.84	\$ 37,329	\$ 374.12	\$ 40,854	\$ 3,525	9.44%
Translation Charge	26	\$ 57.34	\$ 1,491	62.75	\$ 1,632	\$ 141	9.43%
Demand Charge	260,477						
Distribution		\$ 4.48	\$ 1,166,937	\$ 4.92	\$ 1,281,547	\$ 114,610	9.82%
Transmission		0.83	216,196	0.83	216,196	-	0.00%
Stranded Cost Recovery Charge		0.15	39,072	0.15	39,072	-	0.00%
Energy Charge On Peak	6,651,595						
Distribution		\$ 0.00508	\$ 33,790	\$ 0.00556	\$ 36,983	\$ 3,193	9.45%
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00256	17,028	0.00256	17,028	-	0.00%
System Benefits Charge		0.00586	38,978	0.00586	38,978	-	0.00%
Energy Service Charge		0.12222	812,958	0.12222	812,958	-	0.00%
Energy Charge Off Peak	8,704,697						
Distribution		\$ 0.00429	\$ 37,343	\$ 0.00470	\$ 40,912	\$ 3,569	9.56%
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00171	14,885	0.00171	14,885	-	0.00%
System Benefits Charge		0.00586	51,010	0.00586	51,010	-	0.00%
Energy Service Charge		0.12222	1,063,888	0.12222	1,063,888	-	0.00%
Distribution Impact Only		\$ 0.08315	\$ 1,276,890	\$ 0.09129	\$ 1,401,928	\$ 125,038	9.79%
Total Charge		\$ 0.22993	\$ 3,530,905	\$ 0.23807	\$ 3,655,943	\$ 125,038	3.54%
Rate LG - Backup Service > 115 KV							
Administrative Charge	80	\$ 341.84	\$ 27,482	\$ 374.12	\$ 30,077	\$ 2,595	9.44%
Translation Charge	-	\$ 57.34	\$ -	62.75	\$ -	\$ -	9.43%
Demand Charge	913,528						
Transmission		0.83	\$ 758,228	0.83	\$ 758,228	-	0.00%
Stranded Cost Recovery Charge		0.15	137,029	0.15	137,029	-	0.00%
Energy Charge On Peak	21,134,611						
Transmission		-	\$ -	-	\$ -	-	0.00%
Stranded Cost Recovery Charge		0.00256	54,105	0.00256	54,105	-	0.00%
System Benefits Charge		0.00586	123,849	0.00586	123,849	-	0.00%
Energy Service Charge		0.12222	2,583,072	0.12222	2,583,072	-	0.00%
Energy Charge Off Peak	43,853,801						
Transmission		-	\$ -	-	\$ -	-	0.00%
Stranded Cost Recovery Charge		0.00171	74,990	0.00171	74,990	-	0.00%
System Benefits Charge		0.00586	256,983	0.00586	256,983	-	0.00%
Energy Service Charge		0.12222	5,359,812	0.12222	5,359,812	-	0.00%
Distribution Impact Only		\$ 0.00042	\$ 27,482	\$ 0.00046	\$ 30,077	\$ 2,595	9.44%
Total Charge		\$ 0.14426	\$ 9,375,550	\$ 0.14430	\$ 9,378,145	\$ 2,595	0.03%

**Comparison of Current vs Proposed
Permanent Rates**

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Rate OL - Outdoor Lighting							
16	Energy Charge All kWh	17,130,466					
17	Transmission	\$ 0.01394	\$ 238,799	\$ 0.01394	\$ 238,799	\$ -	0.00%
18	Stranded Cost Recovery Charge	0.01596	273,402	0.01596	273,402	-	0.00%
19	System Benefits Charge	0.00586	100,385	0.00586	100,385	-	0.00%
20	Energy Service Charge	0.09985	1,710,477	0.09985	1,710,477	-	0.00%
21	Total	\$ 0.13561	\$ 2,323,063	\$ 0.13561	\$ 2,323,063	\$ -	0.00%
Distribution Charge (per fixture)							
24	4000 LUMEN HP SODIUM	42,792	\$ 15.83	\$ 677,397	\$ 14.21	\$ 608,059	\$ (69,338) -10.24%
25	5800 LUMEN HP SODIUM	7,260	15.83	114,926	14.21	103,162	(11,764) -10.24%
26	9500 LUMEN HP SODIUM	10,692	21.05	225,067	18.90	202,029	(23,038) -10.24%
27	16000 LUMEN HP SODIUM	9,936	29.77	295,795	26.72	265,517	(30,278) -10.24%
28	30000 LUMEN HP SODIUM	15,480	30.51	472,295	27.39	423,951	(48,344) -10.24%
29	50000 LUMEN HP SODIUM	22,860	30.85	705,231	27.69	633,044	(72,187) -10.24%
30	130000 LUMEN HP SODIUM	3,684	49.51	182,395	44.44	163,725	(18,670) -10.24%
31	5000 LUMEN METAL HALIDE	2,700	16.51	44,577	14.82	40,014	(4,563) -10.24%
32	8000 LUMEN METAL HALIDE	1,608	22.60	36,341	20.29	32,621	(3,720) -10.24%
33	13000 LUMEN METAL HALIDE	-	31.01	-	27.84	-	-10.24%
34	13500 LUMEN METAL HALIDE	1,464	31.67	46,365	28.43	41,619	(4,746) -10.24%
35	20000 LUMEN METAL HALIDE	3,696	31.67	117,052	28.43	105,071	(11,981) -10.24%
36	36000 LUMEN METAL HALIDE	5,136	31.96	164,147	28.69	147,345	(16,802) -10.24%
37	100000 LUMEN METAL HALIDE	3,216	47.91	154,079	43.01	138,307	(15,772) -10.24%
38	600 LUMEN INCANDESCENT	1,068	9.12	9,740	8.19	8,743	(997) -10.24%
39	1000 LUMEN INCANDESCENT	2,844	10.18	28,952	9.14	25,988	(2,964) -10.24%
40	2500 LUMEN INCANDESCENT	48	13.06	627	11.72	563	(64) -10.21%
41	6000 LUMEN INCANDESCENT	-	22.44	-	20.14	-	-10.24%
42	3500 LUMEN MERCURY	59,064	13.96	824,533	12.53	740,134	(84,399) -10.24%
43	7000 LUMEN MERCURY	11,472	16.80	192,730	15.08	173,002	(19,728) -10.24%
44	11000 LUMEN MERCURY	684	20.77	14,207	18.64	12,752	(1,455) -10.24%
45	15000 LUMEN MERCURY	36	23.76	855	21.33	768	(87) -10.18%
46	20000 LUMEN MERCURY	5,088	25.65	130,507	23.02	117,148	(13,359) -10.24%
47	56000 LUMEN MERCURY	1,632	40.77	66,537	36.60	59,726	(6,811) -10.24%
48	20000 LUMEN FLUORESCENT	24	34.79	835	31.23	749	(86) -10.30%
49	12000 LUMEN HP SODIUM	96	21.77	2,090	19.54	1,876	(214) -10.24%
50	34200 LUMEN HP SODIUM	60	27.87	1,672	25.02	1,501	(171) -10.23%
51	Average Number of Fixtures/Month	17,720					
53	Distribution Impact Only	\$ 0.26321	\$ 4,508,952	\$ 0.23627	\$ 4,047,414	\$ (461,538)	-10.24%
54	Total Charge	\$ 0.39882	\$ 6,832,015	\$ 0.37188	\$ 6,370,477	\$ (461,538)	-6.76%
Rate EOL - Efficient Outdoor Lighting							
Energy Charge All kWh							
60	Transmission	\$ 0.01394	\$ 158,510	\$ 0.01394	\$ 158,510	\$ -	0.00%
61	Stranded Cost Recovery Charge	0.01596	181,480	0.01596	181,480	-	0.00%
62	System Benefits Charge	0.00586	66,633	0.00586	66,633	-	0.00%
63	Energy Service Charge	0.09985	1,135,384	0.09985	1,135,384	-	0.00%
64	Total		\$ 1,542,007		\$ 1,542,007	\$ -	0.00%
Distribution Charge (per fixture)							
67	4000 LUMEN HP SODIUM	45,216	\$ 8.42	\$ 380,719	\$ 5.03	\$ 227,523	\$ (153,196) -40.24%
68	5800 LUMEN HP SODIUM	2,616	8.42	22,027	5.34	13,966	(8,061) -36.60%
69	9500 LUMEN HP SODIUM	4,272	10.36	44,258	5.76	24,614	(19,644) -44.39%
70	16000 LUMEN HP SODIUM	6,648	11.39	75,721	6.42	42,664	(33,057) -43.66%
71	30000 LUMEN HP SODIUM	20,784	11.39	236,730	7.64	158,882	(77,848) -32.88%
72	50000 LUMEN HP SODIUM	1,584	11.76	18,628	9.35	14,806	(3,822) -20.52%
73	130000 LUMEN HP SODIUM	684	22.32	15,267	16.02	10,959	(4,308) -28.22%
74	5000 LUMEN METAL HALIDE	9,984	8.75	87,360	5.36	53,512	(33,848) -38.75%
75	8000 LUMEN METAL HALIDE	1,152	11.57	13,329	5.70	6,564	(6,765) -50.75%
76	13000 LUMEN METAL HALIDE	-	12.35	-	6.43	-	-47.95%
77	13500 LUMEN METAL HALIDE	1,056	13.00	13,728	6.60	6,967	(6,761) -49.25%
78	20000 LUMEN METAL HALIDE	840	13.22	11,105	7.46	6,270	(4,835) -43.54%
79	36000 LUMEN METAL HALIDE	528	13.59	7,176	9.18	4,846	(2,330) -32.47%
80	100000 LUMEN METAL HALIDE	1,236	24.21	29,924	15.84	19,580	(10,344) -34.57%
81	LEDs	388,872	3.37	1,310,499	1.92	748,061	(562,438) -42.92%
82	Average Number of Fixtures/Month	40,456					
Distribution Charge (per Watt)							
85	LEDs	15,894,084	\$ 0.05130	\$ 815,367	\$ 0.01058	\$ 168,111	\$ (647,256) -79.38%
87	Distribution Impact Only	\$ 0.27103	\$ 3,081,838	\$ 0.13256	\$ 1,507,325	\$ (1,574,513)	-51.09%
88	Total Charge	\$ 0.40664	\$ 4,623,845	\$ 0.26817	\$ 3,049,332	\$ (1,574,513)	-34.05%

Attachment EAD-8 (Perm)
STREET LIGHTING
November 20, 2019 Update

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STREET LIGHTING DISTRIBUTION RATE DESIGN

Distribution Breakout by Component

	Rate EOL		Rate OL	
Total Fixtures	A	40,456	E	17,720
	Aa - Non-LED	8,050	Ea - Non-LED	17,720
	Ab - LED	32,406	Eb - LED	-
Connected Demand KW	B	2,619	F	3,947
Annual kWh	C	11,370,898	G	17,130,466
Proposed Distribution Revenue	D	\$ 1,507,325	H	\$ 4,047,414
Distribution by Category				
1) D - System Demand				
Revenue \$	I	\$ 332,442	K = J* F* 12* 1000	\$501,029
Charge Per Watt	J = I / B / 1000 / 12	0.01058	L = K / F	0.01058
2) D - System Customer				
Revenue \$	M = D - Q - I	\$799,316	O = N* E* 12* 1000	\$350,106
Charge Per Fixture	N = M / A	\$1.65	P = O / E	\$1.65
3) D - Operations & Maintenance				
Revenue \$	Q = R*Aa*12 + S*Ab*12	\$375,567	T = U*Ea*12 + V*Eb*12	\$589,433
Charge Per Fixture Non-LED	R	\$2.77	U = R	\$2.77
LED = 10% of Non-LED	S	\$0.28	V = S	\$0.28
4) D - Equipment				
Revenue \$			W = H- K- O- T	\$ 2,606,847
Total D		\$1,507,325		\$4,047,414

Note: A, B, C, D - See Attachment EAD-8, page 4.
E, F, G, H - See Attachment EAD-8, page 5.
I - See Attachment AN-1, page 3, lines 41 and 42.
R - See Attachment EAD-8, page 2, line 28.
S - See Attachment EAD-8, page 2, line 30.

Street Lighting Operations & Maintenance

Charge Per Fixture

Source

14	Test Year Street Lighting O & M	\$965,000	A = EAD-8, page 3, line 26
16	<u>Non-LED Fixtures</u>		
17	Rate EOL	8,050	B = EAD-8, page 4, lines 38 & 41
18	Rate OL	<u>17,720</u>	C = EAD-8, page 5, line 66
19	Total Non-LED	25,770	D = B + C
21	<u>LED Fixtures</u>		
22	Rate EOL	32,406	E = EAD-8, page 4, line 38
23	Rate OL	<u>-</u>	F = EAD-8, page 5, lines 36-41
24	Total LED	32,406	G = E + F
26	Average Cost Per Fixture	\$2.77	$H = A / (D+G*10\%) / 12$
28	Non-LED Monthly Charge Per Fixture	\$2.77	I = H
30	LED Monthly Charge Per Fixture	\$0.28	J = H * 10%

Street Lighting Operations & Maintenance Expense

Distribution Expense *			
	<u>Operation</u>	<u>Maintenance</u>	<u>Total</u>
Supervision and Engineering	444	2	446
Street Lighting	519	52	571
Other	67	277	345
Total Distribution Expense	1,031	331	1,362

Street Lighting Expense			
	<u>Operation</u>	<u>Maintenance</u>	<u>Total</u>
Derived Supervision and Engineering	393	0	393
Street Lighting	519	52	571
Total Distribution Expense	912	53	965

Note * See Attachment AN-1, page 10

Street Lighting EOL- Efficient Outdoor Lighting

Unbundled Rate Calculation

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High Pressure Sodium

Watts	Lumens	TY Fixtures			Connected Demand	kWh per Fixture			Annual kWh			Current Distribution		Proposed Adjustment	Distribution Bundled			Proposed Distribution Unbundled (A)					
		All Night	Mid-night	Total		All Night	Mid-night	All Night	Mid-night	Total	Rate	Revenue	Rate		Revenue	% Chg	Customer	Demand	O&M	Monthly	Annual	% Chg	
58	4,000	3,753	15	3,768	219	252	117	945,756	1,755	947,511	\$8.42	\$ 380,719	-\$4.30	\$4.12	\$ 186,210	-51.1%	1.65	\$ 0.61	\$2.77	\$5.03	\$ 227,523	-40%	
87	5,800	218		218	19	376		81,968		81,968	8.42	22,027	-\$4.30	4.12	10,773	-51.1%	1.65	0.92	2.77	\$5.34	\$ 13,966	-37%	
127	9,500	356		356	45	550		195,800		195,800	10.36	44,258	-\$5.29	5.07	21,647	-51.1%	1.65	1.34	2.77	\$5.76	\$ 24,614	-44%	
189	16,000	554	-	554	105	821	379	454,834	-	454,834	11.39	75,721	-\$5.82	5.57	37,035	-51.1%	1.65	2.00	2.77	\$6.42	\$ 42,664	-44%	
305	30,000	1,731	1	1,732	528	1326	614	2,295,306	614	2,295,920	11.39	236,730	-\$5.82	5.57	115,785	-51.1%	1.65	3.23	2.77	\$7.64	\$ 158,882	-33%	
466	50,000	132		132	62	2026		267,432		267,432	11.76	18,628	-\$6.01	5.75	9,111	-51.1%	1.65	4.93	2.77	\$9.35	\$ 14,806	-21%	
1097	130,000	57		57	63	4765		271,605		271,605	22.32	15,267	-\$11.40	10.92	7,467	-51.1%	1.65	11.60	2.77	\$16.02	\$ 10,959	-28%	
Metal Halide																							
89	5,000	832		832	74	386		321,152		321,152	\$8.75	\$ 87,360	-\$4.47	\$4.28	\$ 42,728	-51.1%	1.65	0.94	2.77	\$5.36	\$ 53,512	-39%	
121	8,000	96		96	12	527		50,592		50,592	11.57	13,329	-\$5.91	5.66	6,519	-51.1%	1.65	1.28	2.77	\$5.70	\$ 6,564	-51%	
190	13,000	-		-	-	825		-		-	12.35	-	-\$6.31	6.04	-	-	1.65	2.01	2.77	\$6.43	\$ -	-48%	
206	13,500	88		88	18	896		78,848		78,848	13.00	13,728	-\$6.64	6.36	6,714	-51.1%	1.65	2.18	2.77	\$6.60	\$ 6,967	-49%	
288	20,000	70		70	20	1251		87,570		87,570	13.22	11,105	-\$6.75	6.47	5,431	-51.1%	1.65	3.05	2.77	\$7.46	\$ 6,270	-44%	
450	36,000	44		44	20	1956		86,064		86,064	13.59	7,176	-\$6.94	6.65	3,510	-51.1%	1.65	4.76	2.77	\$9.18	\$ 4,846	-32%	
1080	100,000	103		103	111	4692		483,276		483,276	24.21	29,924	-\$12.37	11.84	14,636	-51.1%	1.65	11.42	2.77	\$15.84	\$ 19,580	-35%	
Light Emitting Diodes (LED)																							
Various		32,367	39	32,406																			
Demand		1,321,662	2,845	1,324,507	1,325	4345	2005	<u>5,742,621</u>	<u>5,704</u>	<u>5,748,326</u>	\$0.0513	<u>815,367</u>	-\$0.02621	\$0.0251	<u>398,796</u>	-51.1%							
Total EOL		40,401	55	40,456	2,619			11,362,824	8,073	11,370,898		\$ 3,081,834			\$ 1,507,325							\$ 1,507,325	-51%

Note: A - Distribution Component Source:
Customer - See EAD-8 page 1, line 39
Demand - See EAD-8, page 1, line 34
O&M - See EAD-8, page 1, line 44 & 45

Calculation of Current Installed Cost of LED Street Lighting Equipment

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		LED Equipment Calculation					
		28 Watts	36 Watts	51 Watts	92 Watts	142 Watts	220 Watts
LABOR COST							
Hours							
Work Tasks		1.41	1.41	1.41	1.41	1.41	1.41
Setup/Span		0.53	0.53	0.53	0.53	0.53	0.53
Travel		0.36	0.36	0.36	0.36	0.36	0.36
Total		2.30	2.30	2.30	2.30	2.30	2.30
Labor Cost (Unloaded)	\$	105.30	105.30	105.30	105.30	105.30	105.30
Labor Loaders							
Non-Productive	\$	16.03	16.03	16.03	16.03	16.03	16.03
Labor	\$	46.14	46.14	46.14	46.14	46.14	46.14
Direct Engineering	\$	13.44	13.44	13.44	13.44	13.44	13.44
Total	\$	75.61	75.61	75.61	75.61	75.61	75.61
Total Labor Cost	\$	180.91	180.91	180.91	180.91	180.91	180.91
EQUIPMENT COST							
Hours		1.15	1.15	1.15	1.15	1.15	1.15
Rate	\$	32.40	32.40	32.40	32.40	32.40	32.40
Total Equipment Cost	\$	37.31	37.31	37.31	37.31	37.31	37.31
MATERIAL COST							
(From Materials Tab)	\$	288.86	279.65	279.65	328.99	383.69	579.55
Material Loader		13.25%	13.25%	13.25%	13.25%	13.25%	13.25%
Total Material Cost	\$	327.13	316.70	316.70	372.58	434.53	656.33
OTHER LOADERS							
Eng. & Sup.	\$	77.19	77.19	77.19	77.19	77.19	77.19
Small Tool	\$	5.43	5.43	5.43	5.43	5.43	5.43
AS&E	\$	2.73	2.67	2.67	2.95	3.26	4.37
Total Other Cost	\$	85.34	85.29	85.29	85.57	85.88	86.99
Total Installed Cost	\$	630.70	620.22	620.22	676.38	738.64	961.55
Annual Carrying Charge		12.73%	12.73%	12.73%	12.73%	12.73%	12.73%
Per Month Charge	\$	6.69	6.58	6.58	7.18	7.84	10.20

Attachment EAD-9 (Perm)
CUSTOMER BILL COMPARISONS
November 20, 2019 Update

Typical Bills by Rate Schedule

Residential Service - Rate R

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
<u>USAGE</u>	<u>TOTAL MONTHLY BILL</u>		<u>TOTAL BILL DIFFERENCE</u>	
<u>ENERGY</u> (kWh)	<u>TEMPORARY</u>	<u>PROPOSED</u>	<u>AMOUNT</u>	<u>PERCENT</u>
100	\$ 32.43	\$ 33.33	\$ 0.90	2.76%
200	50.97	52.76	1.79	3.51%
250	60.24	62.48	2.24	3.71%
300	69.51	72.20	2.69	3.86%
400	88.05	91.63	3.58	4.07%
500	106.59	111.07	4.48	4.20%
600	125.13	130.50	5.37	4.29%
700	143.67	149.94	6.26	4.36%
750	152.94	159.65	6.71	4.39%
1,000	199.29	208.24	8.95	4.49%
1,500	291.99	305.42	13.43	4.60%
2,000	384.69	402.59	17.90	4.65%
2,500	477.39	499.77	22.38	4.69%
3,000	570.09	596.94	26.85	4.71%
5,000	940.89	985.64	44.75	4.76%
7,500	1404.39	1471.52	67.13	4.78%

	<u>Temporary</u> <u>Rate</u>	<u>Proposed</u> <u>Rate</u>	<u>Difference</u>
Customer Charge	\$ 13.89	\$ 13.89	\$ -
Distribution Charge per kWh	0.04532	0.05427	0.00895
Transmission Charge per kWh	0.02039	0.02039	-
Energy Service Charge	0.09985	0.09985	-
Stranded Cost Recovery Charge	0.01398	0.01398	-
System Benefits Charge	0.00586	0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

Residential Service - Uncontrolled Water Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	TEMPORARY	PROPOSED	AMOUNT	PERCENT
100	\$ 20.66	\$ 21.31	\$ 0.65	3.15%
200	36.43	37.73	1.30	3.57%
300	52.20	54.15	1.95	3.74%
400	67.97	70.57	2.60	3.83%
500	83.74	86.99	3.25	3.88%
600	99.50	103.40	3.90	3.92%
700	115.27	119.82	4.55	3.95%
800	131.04	136.24	5.20	3.97%

	Temporary Rate	Proposed Rate	Difference
Customer Charge	\$ 4.89	\$ 4.89	\$ -
Distribution Charge per kWh	0.02222	0.02872	0.00650
Transmission Charge per kWh	0.01578	0.01578	-
Energy Service Charge	0.09985	0.09985	-
Stranded Cost Recovery Charge	0.01398	0.01398	-
System Benefits Charge	0.00586	0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

Residential Service - Controlled Water Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	TEMPORARY	PROPOSED	AMOUNT	PERCENT
100	\$ 21.73	\$ 19.36	\$ (2.37)	-10.89%
200	34.83	33.83	(1.00)	-2.87%
300	47.94	48.31	0.37	0.76%
400	61.05	62.78	1.73	2.83%
500	74.16	77.25	3.10	4.17%
600	87.26	91.72	4.46	5.11%
700	100.37	106.19	5.82	5.80%
800	113.48	120.67	7.19	6.34%

	Temporary Rate	Proposed Rate	Difference
Customer Charge	\$ 8.62	\$ 4.89	\$ (3.73)
Distribution Charge per kWh	0.00131	0.01496	0.01365
Transmission Charge per kWh	0.01578	0.01578	-
Energy Service Charge	0.09985	0.09985	-
Stranded Cost Recovery Charge	0.00827	0.00827	-
System Benefits Charge	0.00586	0.00586	-

Typical Bills by Rate Schedule

Residential Service - Optional Time of Day

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
<u>USAGE</u>	<u>TOTAL MONTHLY BILL</u>		<u>BILL DIFFERENCE</u>	
<u>TOTAL ENERGY</u> (kWh)	<u>TEMPORARY</u>	<u>PROPOSED</u>	<u>AMOUNT</u>	<u>PERCENT</u>
100	\$ 51.03	\$ 51.92	\$ 0.90	1.75%
200	69.80	71.59	1.79	2.56%
250	79.19	81.43	2.24	2.83%
300	88.58	91.27	2.69	3.03%
400	107.36	110.94	3.58	3.33%
500	126.13	130.61	4.47	3.55%
750	173.08	179.79	6.71	3.88%
1,000	220.02	228.97	8.95	4.07%
1,500	313.90	327.33	13.43	4.28%
2,000	407.79	425.69	17.90	4.39%
2,500	501.67	524.05	22.38	4.46%
3,000	595.56	622.41	26.85	4.51%
5,000	971.10	1,015.85	44.75	4.61%
7,500	1,440.52	1,507.64	67.13	4.66%

	<u>Temporary</u> <u>Rate</u>	<u>Proposed</u> <u>Rate</u>	<u>Difference</u>
Customer Charge	\$ 32.25	\$ 32.25	\$ -
<u>Energy Charge On Peak kWh</u>			
Distribution	\$ 0.14485	\$ 0.15380	\$ 0.00895
Transmission	0.02039	0.02039	-
Stranded Cost Recovery Charge	0.01208	0.01208	-
System Benefits Charge	0.00586	0.00586	-
<u>Energy Service Charge</u>	<u>0.09985</u>	<u>0.09985</u>	<u>-</u>
Total per On Peak kWh	0.28303	0.29198	0.00895
<u>Energy Charge Off Peak kWh</u>			
Distribution	\$ 0.00211	\$ 0.01106	\$ 0.00895
Transmission	0.01331	0.01331	-
Stranded Cost Recovery Charge	0.01208	0.01208	-
System Benefits Charge	0.00586	0.00586	-
<u>Energy Service Charge</u>	<u>0.09985</u>	<u>0.09985</u>	<u>-</u>
Total per Off Peak kWh	0.13321	0.14216	0.00895
% Sales On Peak	36%	36%	
% Sales Off Peak	64%	64%	

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

Residential Load Control Service - Radio Controlled

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		BILL DIFFERENCE	
ENERGY (kWh)	TEMPORARY	PROPOSED	AMOUNT	PERCENT
100	\$ 23.08	\$ 24.39	\$ 1.32	5.71%
200	36.18	37.52	1.33	3.69%
300	49.29	50.64	1.35	2.74%
400	62.40	63.77	1.37	2.19%
500	75.51	76.89	1.39	1.83%
600	88.61	90.01	1.40	1.58%
700	101.72	103.14	1.42	1.40%
800	114.83	116.26	1.44	1.25%
900	127.93	129.39	1.45	1.14%
1,000	141.04	142.51	1.47	1.04%

	Temporary Rate	Proposed Rate	Difference
Customer Charge	\$ 9.97	\$ 11.27	\$ 1.30
Distribution Charge per kWh	0.00131	0.00148	0.00017
Transmission Charge per kWh	0.01578	0.01578	-
Energy Service Charge	0.09985	0.09985	-
Stranded Cost Recovery Charge	0.00827	0.00827	-
System Benefits Charge	0.00586	0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

Residential Load Control Service - 8 Hour Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
<u>USAGE</u>	<u>TOTAL MONTHLY BILL</u>		<u>BILL DIFFERENCE</u>	
<u>TOTAL ENERGY</u> (kWh)	<u>TEMPORARY</u>	<u>PROPOSED</u>	<u>AMOUNT</u>	<u>PERCENT</u>
100	\$ 23.08	\$ 19.36	\$ (3.72)	-16.10%
200	36.18	33.83	(2.35)	-6.49%
300	49.29	48.31	(0.98)	-2.00%
400	62.40	62.78	0.38	0.61%
500	75.51	77.25	1.75	2.31%
600	88.61	91.72	3.11	3.51%
700	101.72	106.19	4.47	4.40%
800	114.83	120.67	5.84	5.09%
900	127.93	135.14	7.20	5.63%
1,000	141.04	149.61	8.57	6.08%
1,200	167.25	178.55	11.30	6.76%
1,500	206.58	221.97	15.40	7.45%
1,800	245.90	265.39	19.49	7.93%
2,000	272.11	294.33	22.22	8.17%
2,500	337.65	366.69	29.05	8.60%
3,000	403.18	439.05	35.87	8.90%

	<u>Temporary</u> <u>Rate</u>	<u>Proposed</u> <u>Rate</u>	<u>Difference</u>
Customer Charge	\$ 9.97	\$ 4.89	\$ (5.08)
Distribution Charge per kWh	0.00131	0.01496	0.01365
Transmission Charge per kWh	0.01578	0.01578	-
Energy Service Charge	0.09985	0.09985	-
Stranded Cost Recovery Charge	0.00827	0.00827	-
System Benefits Charge	0.00586	0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

Residential Load Control Service - 8 Hour No Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
<u>USAGE</u>	<u>TOTAL MONTHLY BILL</u>		<u>BILL DIFFERENCE</u>	
<u>TOTAL ENERGY</u> (kWh)	<u>TEMPORARY</u>	<u>PROPOSED</u>	<u>AMOUNT</u>	<u>PERCENT</u>
100	\$ 21.73	\$ 19.36	\$ (2.37)	-10.89%
200	34.83	33.83	(1.00)	-2.87%
300	47.94	48.31	0.37	0.76%
400	61.05	62.78	1.73	2.83%
500	74.16	77.25	3.10	4.17%
600	87.26	91.72	4.46	5.11%
700	100.37	106.19	5.82	5.80%
800	113.48	120.67	7.19	6.34%
900	126.58	135.14	8.55	6.76%
1,000	139.69	149.61	9.92	7.10%
1,200	165.90	178.55	12.65	7.62%
1,500	205.23	221.97	16.75	8.16%
1,800	244.55	265.39	20.84	8.52%
2,000	270.76	294.33	23.57	8.71%
2,500	336.30	366.69	30.40	9.04%
3,000	401.83	439.05	37.22	9.26%

	<u>Temporary</u> <u>Rate</u>	<u>Proposed</u> <u>Rate</u>	<u>Difference</u>
Customer Charge	\$8.62	\$4.89	(3.73)
Distribution Charge per kWh	\$0.00131	\$0.01496	0.01365
Transmission Charge per kWh	\$0.01578	\$0.01578	-
Energy Service Charge	\$0.09985	\$0.09985	-
Stranded Cost Recovery Charge	\$0.00827	\$0.00827	-
System Benefits Charge	\$0.00586	\$0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

Residential Load Control Service - 10/11 Hour Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
<u>USAGE</u>	<u>TOTAL MONTHLY BILL</u>		<u>BILL DIFFERENCE</u>	
<u>TOTAL ENERGY</u> (kWh)	<u>TEMPORARY</u>	<u>PROPOSED</u>	<u>AMOUNT</u>	<u>PERCENT</u>
100	\$ 25.63	\$ 20.74	\$ (4.89)	-19.07%
200	41.28	36.59	(4.69)	-11.37%
300	56.94	52.43	(4.50)	-7.91%
400	72.59	68.28	(4.31)	-5.93%
500	88.25	84.13	(4.11)	-4.66%
600	103.90	99.98	(3.92)	-3.77%
700	119.56	115.83	(3.73)	-3.12%
800	135.21	131.67	(3.54)	-2.62%
900	150.87	147.52	(3.34)	-2.22%
1,000	166.52	163.37	(3.15)	-1.89%
1,200	197.83	195.07	(2.76)	-1.40%
1,500	244.80	242.61	(2.19)	-0.89%
1,800	291.76	290.15	(1.61)	-0.55%
2,000	323.07	321.85	(1.22)	-0.38%
2,500	401.35	401.09	(0.26)	-0.06%
3,000	479.62	480.33	0.71	0.15%

	<u>Temporary</u> <u>Rate</u>	<u>Proposed</u> <u>Rate</u>	<u>Difference</u>
Customer Charge	\$9.97	\$4.89	(5.08)
Distribution Charge per kWh	\$0.02679	\$0.02872	0.00193
Transmission Charge per kWh	\$0.01578	\$0.01578	-
Energy Service Charge	\$0.09985	\$0.09985	-
Stranded Cost Recovery Charge	\$0.00827	\$0.00827	-
System Benefits Charge	\$0.00586	\$0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

Residential Load Control Service - 10/11 Hour No Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
<u>USAGE</u>	<u>TOTAL MONTHLY BILL</u>		<u>BILL DIFFERENCE</u>	
<u>TOTAL ENERGY</u> (kWh)	<u>TEMPORARY</u>	<u>PROPOSED</u>	<u>AMOUNT</u>	<u>PERCENT</u>
100	\$ 24.28	\$ 20.74	\$ (3.54)	-14.57%
200	39.93	36.59	(3.34)	-8.37%
300	55.59	52.43	(3.15)	-5.67%
400	71.24	68.28	(2.96)	-4.15%
500	86.90	84.13	(2.77)	-3.18%
600	102.55	99.98	(2.57)	-2.51%
700	118.21	115.83	(2.38)	-2.01%
800	133.86	131.67	(2.19)	-1.63%
900	149.52	147.52	(1.99)	-1.33%
1,000	165.17	163.37	(1.80)	-1.09%
1,200	196.48	195.07	(1.41)	-0.72%
1,500	243.45	242.61	(0.84)	-0.34%
1,800	290.41	290.15	(0.26)	-0.09%
2,000	321.72	321.85	0.13	0.04%
2,500	400.00	401.09	1.09	0.27%
3,000	478.27	480.33	2.06	0.43%

	<u>Temporary</u> <u>Rate</u>	<u>Proposed</u> <u>Rate</u>	<u>Difference</u>
Customer Charge	\$8.62	\$4.89	(3.73)
Distribution Charge per kWh	\$0.02679	\$0.02872	0.00193
Transmission Charge per kWh	\$0.01578	\$0.01578	-
Energy Service Charge	\$0.09985	\$0.09985	-
Stranded Cost Recovery Charge	\$0.00827	\$0.00827	-
System Benefits Charge	\$0.00586	\$0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

General Service 1 Phase

(A)	(B)	(C)	(D)	(E) = (D) - (C)	(F) = (E) / (C)
USAGE		TOTAL MONTHLY BILL		BILL DIFFERENCE	
MONTHLY DEMAND (KW)	MONTHLY USE (KWH)	TEMPORARY	PROPOSED	AMOUNT	PERCENT
3	375	\$ 95.75	\$ 97.45	\$ 1.70	1.78%
3	1,000	193.48	195.18	1.70	0.88%
6	750	173.61	176.24	2.63	1.51%
6	1,500	280.48	283.11	2.63	0.94%
12	1,500	375.04	383.25	8.21	2.19%
30	6,000	1,229.91	1,254.86	24.95	2.03%
40	10,000	1,895.23	1,929.48	34.25	1.81%

	Temporary Rate	Proposed Rate	Difference
Customer Charge	\$ 16.30	\$ 18.00	\$ 1.70
<u>Demand Charge >5kWh</u>			
Distribution	\$ 9.54	\$ 10.47	\$ 0.93
Transmission	5.26	5.26	-
Stranded Cost Recovery Charge	0.96	0.96	-
Total	\$ 15.76	\$ 16.69	\$ 0.93
<u>Energy Charge < 500kWh</u>			
Distribution	\$ 0.07646	\$ 0.07646	\$ -
Transmission	0.01900	0.01900	-
Stranded Cost Recovery Charge	0.01069	0.01069	-
System Benefits Charge	0.00586	0.00586	-
Energy Service Charge	0.09985	0.09985	-
Total	\$ 0.21186	\$ 0.21186	\$ -
<u>Energy Charge 501 - 1500 kWh</u>			
Distribution	\$ 0.01894	\$ 0.01894	\$ -
Transmission	0.00715	0.00715	-
Stranded Cost Recovery Charge	0.01069	0.01069	-
System Benefits Charge	0.00586	0.00586	-
Energy Service Charge	0.09985	0.09985	-
Total	\$ 0.14249	\$ 0.14249	\$ -
<u>Energy Charge >1500 kWh</u>			
Distribution	\$ 0.00670	\$ 0.00670	\$ -
Transmission	0.00383	0.00383	-
Stranded Cost Recovery Charge	0.01069	0.01069	-
System Benefits Charge	0.00586	0.00586	-
Energy Service Charge	0.09985	0.09985	-
Total	\$ 0.12693	\$ 0.12693	\$ -

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

General Service 3 Phase

(A)	(B)	(C)	(D)	(E) = (D) - (C)	(F) = (E) / (C)
USAGE		TOTAL MONTHLY BILL		BILL DIFFERENCE	
MONTHLY DEMAND (KW)	MONTHLY USE (KWH)	TEMPORARY	PROPOSED	AMOUNT	PERCENT
3	375	\$ 112.02	\$ 115.45	\$ 3.43	3.06%
3	1,000	209.75	213.18	3.43	1.64%
6	750	189.88	194.24	4.36	2.30%
6	1,500	296.75	301.11	4.36	1.47%
12	1,500	391.31	401.25	9.94	2.54%
30	6,000	1,246.18	1,272.86	26.68	2.14%
40	10,000	1,911.50	1,947.48	35.98	1.88%

	Temporary Rate	Proposed Rate	Difference
Customer Charge	\$ 32.57	\$ 36.00	\$ 3.43
<u>Demand Charge >5kWh</u>			
Distribution	\$ 9.54	\$ 10.47	0.93
Transmission	5.26	5.26	-
Stranded Cost Recovery Charge	0.96	0.96	-
Total	\$ 15.76	\$ 16.69	\$ 0.93
<u>Energy Charge < 500kWh</u>			
Distribution	\$ 0.07646	\$ 0.07646	\$ -
Transmission	0.01900	0.01900	-
Stranded Cost Recovery Charge	0.01069	0.01069	-
System Benefits Charge	0.00586	0.00586	-
Energy Service Charge	0.09985	0.09985	-
Total	\$ 0.21186	\$ 0.21186	\$ -
<u>Energy Charge 501 - 1500 kWh</u>			
Distribution	\$ 0.01894	\$ 0.01894	\$ -
Transmission	0.00715	0.00715	-
Stranded Cost Recovery Charge	0.01069	0.01069	-
System Benefits Charge	0.00586	0.00586	-
Energy Service Charge	0.09985	0.09985	-
Total	\$ 0.14249	\$ 0.14249	\$ -
<u>Energy Charge >1500 kWh</u>			
Distribution	\$ 0.00670	\$ 0.00670	\$ -
Transmission	0.00383	0.00383	-
Stranded Cost Recovery Charge	0.01069	0.01069	-
System Benefits Charge	0.00586	0.00586	-
Energy Service Charge	0.09985	0.09985	-
Total	\$ 0.12693	\$ 0.12693	\$ -

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

General Service - Uncontrolled Water Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
<u>USAGE</u>	<u>TOTAL MONTHLY BILL</u>		<u>TOTAL BILL DIFFERENCE</u>	
<u>ENERGY</u> (kWh)	<u>TEMPORARY</u>	<u>PROPOSED</u>	<u>AMOUNT</u>	<u>PERCENT</u>
100	\$ 20.60	\$ 21.25	\$ 0.65	3.16%
200	36.31	37.61	1.30	3.58%
300	52.02	53.97	1.95	3.75%
400	67.73	70.33	2.60	3.84%
500	83.44	86.69	3.25	3.90%
600	99.14	103.04	3.90	3.93%
700	114.85	119.40	4.55	3.96%

	<u>Temporary</u> <u>Rate</u>	<u>Proposed</u> <u>Rate</u>	<u>Difference</u>
Customer Charge	\$ 4.89	\$ 4.89	\$ -
Distribution Charge per kWh	0.02222	0.02872	0.00650
Transmission Charge per kWh	0.01578	0.01578	-
Energy Service Charge	0.09985	0.09985	-
Stranded Cost Recovery Charge	0.01338	0.01338	-
System Benefits Charge	0.00586	0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

General Service - Controlled Water Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	TEMPORARY	PROPOSED	AMOUNT	PERCENT
100	\$ 21.69	\$ 19.33	\$ (2.37)	-10.90%
200	34.76	33.76	(1.00)	-2.88%
300	47.83	48.20	0.37	0.76%
400	60.90	62.63	1.73	2.84%
500	73.97	77.07	3.09	4.18%
600	87.04	91.50	4.46	5.12%
700	100.11	105.94	5.82	5.82%

	Temporary Rate	Proposed Rate	Difference
Customer Charge	\$ 8.62	\$ 4.89	\$ (3.73)
Distribution Charge per kWh	0.00131	0.01496	0.01365
Transmission Charge per kWh	0.01578	0.01578	-
Energy Service Charge	0.09985	0.09985	-
Stranded Cost Recovery Charge	0.00790	0.00790	-
System Benefits Charge	0.00586	0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

General Service Load Control Service - Radio Controlled

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	TEMPORARY	PROPOSED	AMOUNT	PERCENT
100	\$ 23.04	\$ 24.36	\$ 1.32	5.72%
200	36.11	37.44	1.33	3.69%
300	49.18	50.53	1.35	2.75%
400	62.25	63.62	1.37	2.20%
500	75.32	76.71	1.38	1.84%
600	88.39	89.79	1.40	1.59%
700	101.46	102.88	1.42	1.40%
800	114.53	115.97	1.44	1.25%
900	127.60	129.05	1.45	1.14%
1,000	140.67	142.14	1.47	1.04%

	Temporary Rate	Proposed Rate	Difference
Customer Charge	\$ 9.97	\$ 11.27	\$ 1.30
Distribution Charge per kWh	0.00131	0.00148	0.00017
Transmission Charge per kWh	0.01578	0.01578	-
Energy Service Charge	0.09985	0.09985	-
Stranded Cost Recovery Charge	0.00790	0.00790	-
System Benefits Charge	0.00586	0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

General Service Load Control Service - 8 Hour Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	TEMPORARY	PROPOSED	AMOUNT	PERCENT
100	\$ 23.04	\$ 19.33	\$ (3.72)	-16.12%
200	36.11	33.76	(2.35)	-6.51%
300	49.18	48.20	(0.98)	-2.00%
400	62.25	62.63	0.38	0.61%
500	75.32	77.07	1.74	2.32%
600	88.39	91.50	3.11	3.52%
700	101.46	105.94	4.47	4.41%
800	114.53	120.37	5.84	5.10%
900	127.60	134.81	7.21	5.65%
1,000	140.67	149.24	8.57	6.09%

	Temporary Rate	Proposed Rate	Difference
Customer Charge	\$ 9.97	\$ 4.89	\$ (5.08)
Distribution Charge per kWh	0.00131	0.01496	0.01365
Transmission Charge per kWh	0.01578	0.01578	-
Energy Service Charge	0.09985	0.09985	-
Stranded Cost Recovery Charge	0.00790	0.00790	-
System Benefits Charge	0.00586	0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

General Service Load Control Service - 8 Hour No Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	TEMPORARY	PROPOSED	AMOUNT	PERCENT
100	\$ 21.69	\$ 19.33	\$ (2.37)	-10.90%
200	34.76	33.76	(1.00)	-2.88%
300	47.83	48.20	0.37	0.76%
400	60.90	62.63	1.73	2.84%
500	73.97	77.07	3.09	4.18%
600	87.04	91.50	4.46	5.12%
700	100.11	105.94	5.82	5.82%
800	113.18	120.37	7.19	6.35%
900	126.25	134.81	8.55	6.78%
1,000	139.32	149.24	9.92	7.12%

	Temporary Rate	Proposed Rate	Difference
Customer Charge	\$ 8.62	\$ 4.89	\$ (3.73)
Distribution Charge per kWh	0.00131	0.01496	0.01365
Transmission Charge per kWh	0.01578	0.01578	-
Energy Service Charge	0.09985	0.09985	-
Stranded Cost Recovery Charge	0.00790	0.00790	-
System Benefits Charge	0.00586	0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

General Service Load Control Service - 10/11 Hour Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	TEMPORARY	PROPOSED	AMOUNT	PERCENT
100	\$ 25.59	\$ 20.70	\$ (4.89)	-19.10%
200	41.21	36.51	(4.69)	-11.39%
300	56.82	52.32	(4.50)	-7.92%
400	72.44	68.13	(4.31)	-5.95%
500	88.06	83.95	(4.11)	-4.67%
600	103.68	99.76	(3.92)	-3.78%
700	119.30	115.57	(3.73)	-3.13%
800	134.91	131.38	(3.54)	-2.62%
900	150.53	147.19	(3.34)	-2.22%
1,000	166.15	163.00	(3.15)	-1.90%

	Temporary Rate	Proposed Rate	Difference
Customer Charge	\$ 9.97	\$ 4.89	\$ (5.08)
Distribution Charge per kWh	0.02679	0.02872	0.00193
Transmission Charge per kWh	0.01578	0.01578	-
Energy Service Charge	0.09985	0.09985	-
Stranded Cost Recovery Charge	0.00790	0.00790	-
System Benefits Charge	0.00586	0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

General Service Load Control Service - 10/11 Hour No Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	TEMPORARY	PROPOSED	AMOUNT	PERCENT
100	\$ 24.24	\$ 20.70	\$ (3.54)	-14.59%
200	39.86	36.51	(3.34)	-8.39%
300	55.47	52.32	(3.15)	-5.68%
400	71.09	68.13	(2.96)	-4.16%
500	86.71	83.95	(2.77)	-3.19%
600	102.33	99.76	(2.57)	-2.51%
700	117.95	115.57	(2.38)	-2.02%
800	133.56	131.38	(2.19)	-1.64%
900	149.18	147.19	(1.99)	-1.34%
1,000	164.80	163.00	(1.80)	-1.09%

	Temporary Rate	Proposed Rate	Difference
Customer Charge	\$ 8.62	\$ 4.89	\$ (3.73)
Distribution Charge per kWh	0.02679	0.02872	0.00193
Transmission Charge per kWh	0.01578	0.01578	-
Energy Service Charge	0.09985	0.09985	-
Stranded Cost Recovery Charge	0.00790	0.00790	-
System Benefits Charge	0.00586	0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

General Service - Optional Time of Day
Single Phase

(A)	(B)	(C)	(D)	(E)	(F)	(G) = (F) - (E)	(H) = (G) / (E)
MONTHLY DEMAND (KW)	MONTHLY USE (kWh)	ON-PEAK USE (kWh)	OFF-PEAK USE (kWh)	TOTAL MONTHLY BILL		BILL DIFFERENCE	
				TEMPORARY	PROPOSED	AMOUNT	PERCENT
12	1,500	600	900	\$ 459.38	\$ 470.54	\$ 11.16	2.43%
12	1,500	900	600	472.95	484.11	11.16	2.36%
12	3,000	1,200	1,800	669.55	680.71	11.16	1.67%
12	3,000	1,800	1,200	696.68	707.84	11.16	1.60%
30	4,500	1,800	2,700	1,190.21	1,218.11	27.90	2.34%
30	4,500	2,700	1,800	1,230.92	1,258.82	27.90	2.27%
30	9,000	3,600	5,400	1,820.72	1,848.62	27.90	1.53%
30	9,000	5,400	3,600	1,902.13	1,930.03	27.90	1.47%
50	7,500	3,000	4,500	1,955.55	2,002.05	46.50	2.38%
50	7,500	4,500	3,000	2,023.40	2,069.90	46.50	2.30%
50	15,000	6,000	9,000	3,006.39	3,052.89	46.50	1.55%
50	15,000	9,000	6,000	3,142.08	3,188.58	46.50	1.48%
75	11,250	4,500	6,750	2,912.22	2,981.97	69.75	2.40%
75	11,250	6,750	4,500	3,013.99	3,083.74	69.75	2.31%
75	22,500	9,000	13,500	4,488.48	4,558.23	69.75	1.55%
75	22,500	13,500	9,000	4,692.02	4,761.77	69.75	1.49%

	Temporary Rate	Proposed Rate	Difference
Customer Charge - Single Phase	\$ 42.21	\$ 42.21	\$ -
<u>Demand Charges</u>			
Distribution	\$ 13.30	\$ 14.23	\$ 0.93
Transmission	3.47	3.47	-
Stranded Cost Recovery	0.48	0.48	-
Total Demand Charge	17.25	18.18	0.93
<u>Energy Charge On Peak kWh</u>			
Distribution	\$ 0.05364	\$ 0.05364	\$ -
Transmission	-	-	-
Stranded Cost Recovery Charge	0.00790	0.00790	-
System Benefits Charge	0.00586	0.00586	-
Energy Service Charge	0.09985	0.09985	-
Total per On Peak kWh	0.16725	0.16725	-
<u>Energy Charge Off Peak kWh</u>			
Distribution	\$ 0.00841	\$ 0.00841	\$ -
Transmission	-	-	-
Stranded Cost Recovery Charge	0.00790	0.00790	-
System Benefits Charge	0.00586	0.00586	-
Energy Service Charge	0.09985	0.09985	-
Total per Off Peak kWh	0.12202	0.12202	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

General Service - Optional Time of Day
Three Phase

(A)	(B)	(C)	(D)	(E)	(F)	(G) = (F) - (E)	(H) = (G) / (E)
MONTHLY DEMAND (KW)	MONTHLY USE (kWh)	ON-PEAK USE (kWh)	OFF-PEAK USE (kWh)	TOTAL MONTHLY BILL		BILL DIFFERENCE	
				TEMPORARY	PROPOSED	AMOUNT	PERCENT
12	1,500	600	900	\$ 477.49	\$ 488.65	\$ 11.16	2.34%
12	1,500	900	600	491.06	502.22	11.16	2.27%
12	3,000	1,200	1,800	687.66	698.82	11.16	1.62%
12	3,000	1,800	1,200	714.79	725.95	11.16	1.56%
30	4,500	1,800	2,700	1,208.32	1,236.22	27.90	2.31%
30	4,500	2,700	1,800	1,249.03	1,276.93	27.90	2.23%
30	9,000	3,600	5,400	1,838.83	1,866.73	27.90	1.52%
30	9,000	5,400	3,600	1,920.24	1,948.14	27.90	1.45%
50	7,500	3,000	4,500	1,973.66	2,020.16	46.50	2.36%
50	7,500	4,500	3,000	2,041.51	2,088.01	46.50	2.28%
50	15,000	6,000	9,000	3,024.50	3,071.00	46.50	1.54%
50	15,000	9,000	6,000	3,160.19	3,206.69	46.50	1.47%
75	11,250	4,500	6,750	2,930.33	3,000.08	69.75	2.38%
75	11,250	6,750	4,500	3,032.10	3,101.85	69.75	2.30%
75	22,500	9,000	13,500	4,506.59	4,576.34	69.75	1.55%
75	22,500	13,500	9,000	4,710.13	4,779.88	69.75	1.48%

	Temporary Rate	Proposed Rate	Difference
Customer Charge - Three Phase	\$ 60.32	\$ 60.32	\$ -
<u>Demand Charges</u>			
Distribution	\$ 13.30	\$ 14.23	\$ 0.93
Transmission	3.47	3.47	-
Stranded Cost Recovery	0.48	0.48	-
Total Demand Charge	17.25	18.18	0.93
<u>Energy Charge On Peak kWh</u>			
Distribution	\$ 0.05364	\$ 0.05364	\$ -
Transmission	-	-	-
Stranded Cost Recovery Charge	0.00790	0.00790	-
System Benefits Charge	0.00586	0.00586	-
Energy Service Charge	0.09985	0.09985	-
Total per On Peak kWh	0.16725	0.16725	-
<u>Energy Charge Off Peak kWh</u>			
Distribution	\$ 0.00841	\$ 0.00841	\$ -
Transmission	-	-	-
Stranded Cost Recovery Charge	0.00790	0.00790	-
System Benefits Charge	0.00586	0.00586	-
Energy Service Charge	0.09985	0.09985	-
Total per Off Peak kWh	0.12202	0.12202	-

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

General Service - Space Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
<u>USAGE</u>	<u>TOTAL MONTHLY BILL</u>		<u>TOTAL BILL DIFFERENCE</u>	
<u>ENERGY</u> (kWh)	<u>TEMPORARY</u>	<u>PROPOSED</u>	<u>AMOUNT</u>	<u>PERCENT</u>
100	\$ 21.15	\$ 21.43	\$ 0.29	1.36%
200	39.03	39.61	0.57	1.47%
300	56.92	57.78	0.86	1.51%
400	74.81	75.96	1.15	1.53%
500	92.70	94.13	1.44	1.55%
600	110.58	112.30	1.72	1.56%
700	128.47	130.48	2.01	1.56%

	<u>Temporary</u> <u>Rate</u>	<u>Proposed</u> <u>Rate</u>	<u>Difference</u>
Customer Charge	\$ 3.26	\$ 3.26	\$ -
Distribution Charge per kWh	0.03750	0.04037	0.00287
Transmission Charge per kWh	0.01900	0.01900	-
Energy Service Charge	0.09985	0.09985	-
Stranded Cost Recovery Charge	0.01666	0.01666	-
System Benefits Charge	0.00586	0.00586	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

Rate GV

(A)	(B)	(C)	(D)	(E) = (D) - (C)	(F) = (E) / (C)
USAGE		TOTAL MONTHLY BILL		BILL DIFFERENCE	
MONTHLY DEMAND (KW)	MONTHLY USE (KWH)	TEMPORARY	PROPOSED	AMOUNT	PERCENT
75	15,000	\$ 3,409.00	\$ 3,465.30	\$ 56.30	1.65%
75	30,000	5,557.15	5,613.45	56.30	1.01%
150	30,000	6,592.15	6,690.45	98.30	1.49%
150	60,000	10,888.45	10,986.75	98.30	0.90%
300	60,000	12,944.95	13,127.25	182.30	1.41%
300	120,000	21,537.55	21,719.85	182.30	0.85%
500	100,000	21,415.35	21,709.65	294.30	1.37%
500	200,000	35,736.35	36,030.65	294.30	0.82%
1,000	200,000	42,591.35	43,165.65	574.30	1.35%
1,000	400,000	71,021.35	71,595.65	574.30	0.81%

	Temporary Rate	Proposed Rate	Difference
Customer Charge	\$ 212.35	\$ 226.65	\$ 14.30
Demand 1-100 kW			
Distribution	\$ 6.11	\$ 6.67	\$ 0.56
Transmission	7.04	7.04	-
Stranded Cost Recovery Charge	0.83	0.83	-
Total	\$ 13.98	\$ 14.54	\$ 0.56
Demand > 100 kW			
Distribution	\$ 5.84	\$ 6.40	\$ 0.56
Transmission	7.04	7.04	-
Stranded Cost Recovery Charge	0.83	0.83	-
Total	\$ 13.71	\$ 14.27	\$ 0.56
Energy Charge 1 - 200,000 kWh			
Distribution	\$ 0.00663	\$ 0.00663	\$ -
Transmission	-	-	-
Stranded Cost Recovery Charge	0.00850	0.00850	-
System Benefits Charge	0.00586	0.00586	-
Energy Service Charge	0.12222	0.12222	-
Total	\$ 0.14321	\$ 0.14321	\$ -
Energy Charge >200,000 kWh			
Distribution	\$ 0.00557	\$ 0.00557	\$ -
Transmission	-	-	-
Stranded Cost Recovery Charge	0.00850	0.00850	-
System Benefits Charge	0.00586	0.00586	-
Energy Service Charge	0.12222	0.12222	-
Total	\$ 0.14215	\$ 0.14215	\$ -

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

Rate LG

(A)	(B)	(C)	(D)	(E)	(F)	(G) = (F) - (E)	(H) = (G) / (E)
MONTHLY DEMAND (KVA)	MONTHLY USE (KWH)	ON-PEAK USE (KWH)	OFF-PEAK USE (KWH)	TOTAL MONTHLY BILL		BILL DIFFERENCE	
				TEMPORARY	PROPOSED	AMOUNT	PERCENT
3,000	300,000	120,000	180,000	\$ 78,505.94	\$ 80,392.08	\$ 1,886.14	2.40%
3,000	600,000	240,000	360,000	119,058.14	120,944.28	1,886.14	1.58%
3,000	900,000	360,000	540,000	159,610.34	161,496.48	1,886.14	1.18%
3,000	1,200,000	480,000	720,000	200,162.54	202,048.68	1,886.14	0.94%
3,000	1,500,000	600,000	900,000	240,714.74	242,600.88	1,886.14	0.78%
3,000	1,800,000	720,000	1,080,000	281,266.94	283,153.08	1,886.14	0.67%
3,000	2,100,000	840,000	1,260,000	321,819.14	323,705.28	1,886.14	0.59%
				Temporary Rate	Proposed Rate	Difference	
Customer Charge				\$ 663.74	\$ 719.88	\$ 56.14	
<u>Demand</u>							
Distribution				\$ 5.20	\$ 5.81	\$ 0.61	
Transmission				6.93	6.93	-	
Stranded Cost Recovery Charge				0.30	0.30	-	
Total				\$ 12.43	\$ 13.04	\$ 0.61	
<u>Energy Charge - On-Peak</u>							
Distribution				\$ 0.00556	\$ 0.00556	\$ -	
Transmission				-	-	-	
Stranded Cost Recovery Charge				0.00256	0.00256	-	
System Benefits Charge				0.00586	0.00586	-	
Energy Service Charge				0.12222	0.12222	-	
Total				\$ 0.13620	\$ 0.13620	\$ -	
<u>Energy Charge - Off-Peak</u>							
Distribution				\$ 0.00470	\$ 0.00470	\$ -	
Transmission				-	-	-	
Stranded Cost Recovery Charge				0.00171	0.00171	-	
System Benefits Charge				0.00586	0.00586	-	
Energy Service Charge				0.12222	0.12222	-	
Total				\$ 0.13449	\$ 0.13449	\$ -	

Note: Immaterial differences due to rounding.