NWE SD LIGHTING COST ANALYSIS - 12/31/22

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NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 1 - RATE 19 - U10 RESIDENTIAL REDDY-GUARD SUMMARY RESULTS

Line No. **BILLING STATISTICS** SCALED ANNUAL CURRENT TOT\$ NET ANNUAL ANNUAL BASE MONTHLY 4 Rev Code Watts KWH/MO INSTALLED PLANT KWH UNITS REVENUES CHARGE (1) 6 Unmetered 7 RR001 4,095 14.07 \$0 \$0 \$4.00000 8 RR002 50 5,850 19.77 \$102 \$76 554 \$113 \$4.15000 HPS 27 \$7.856 104.185 9 RR003 HPS 100 11.700 49.58 \$161 2.063 \$15.293 \$7,43000 10 RR004 HPS 150 17,550 69.68 \$179 \$23,580 411,324 5,796 \$44,812 \$7.75000 11 RR005 250 29,250 107.87 \$280 \$4,614 66,751 605 \$6,716 \$10.96000 12 RR006 400 46,800 166.16 \$286 \$1,608 32,164 188 \$2,437 \$12.94000 13 RR007 HPS 1000 117,000 389.94 \$0 \$0 0 \$27.07000 15 RR010 175 8,750 \$234 \$56,328 800,865 10,865 \$53,170 \$4.92000 72.36 16 RR011 MV 250 12,500 100.84 \$251 \$1,315 \$6.24000 19,767 191 \$1,220 17 RR012 400 20,000 158.79 \$0 \$0 \$9.26000 0 18 RR013 MV 1000 50,000 380.23 \$0 \$0 0 \$17.56000 20 RR014 175 \$0 \$5.05000 15,225 68.68 \$0 0 21 RR015 250 21,750 97.15 \$365 \$546 5,313 48 \$306 \$6.43000 22 RR016 34,800 \$835 \$937 7,830 \$9.43000 MH 400 153.43 46 \$431 24 RR026 60 20.10 \$224 \$57,637 29,897 1,201 \$7,488 \$8.88000 25 RR030 66 22.11 \$224 \$84 \$17 \$9.76800 26 RR035 LED 73 24.46 \$224 \$504 1,158 46 \$455 \$9.34400 27 RR060 42.21 \$274 \$13.60800 LED 126 \$513 416 8 \$71 28 RR070 189 \$352 \$527 330 \$35 \$20.41200 63.32 29 30 31 TOTAL \$156,126 1,480,583 21,089 \$132,563 CHECK TOTAL \$156,126 1,480,583 21,089 \$132,563 32 33 34 35 SCALED ANNUAL 36 TOT \$ NET ANNUAL ANNUAL BASE MONTHLY 37 Rev Code Watts KWH/MO INSTALLED PLANT KWH UNITS REVENUES CHARGE (1) 38 39 Metered 40 RR100 35 4,095 14.07 \$0 \$0 \$3.63 41 RR101 HPS 50 5,850 19.77 \$102 \$191 1,186 60 \$219 \$3.63 42 RR102 HPS 100 11,700 49.58 \$161 \$2,659 27,616 557 \$2,811 \$5.00 43 RR103 HPS 150 17,550 69.68 \$179 \$17,618 225,275 3,233 \$19,203 \$5.88 44 RR104 HPS 250 29,250 107.87 \$280 \$629 8,630 80 \$616 \$7.64 45 RR105 HPS 400 46,800 166.16 \$286 \$1,179 21,933 132 \$1,072 \$8.05 46 RR106 HPS 1000 117,000 389.94 \$0 \$0 0 \$14.92 47 48 RR110 MV 175 8,750 72.36 \$234 \$48,782 494,002 6,827 \$15,933 \$2.31 49 RR111 MV 250 12,500 100.84 \$251 \$282 3,630 36 \$2.88 50 RR112 MV 400 20,000 158.79 \$0 \$0 0 \$3.63 51 RR113 MV 1000 50,000 380.23 \$0 \$0 0 \$7.10 52 53 RR114 МН 175 15,225 68 68 \$0 \$0 0 \$2.73 54 RR115 55 RR116 MH 250 21,750 97.15 \$365 \$273 2,332 24 \$158 \$6.35 MH 400 34,800 153.43 \$0 \$0 0 \$8.05 56 57 RR125 LED 55 18.54 \$223 \$167 241 13 \$99 \$7.21 58 RR126 LED 60 20.10 \$224 \$3,193 1,246 62 \$356 \$7.86 59 RR160 LED 126 42.21 \$274 \$103 42 \$11 \$11.47 60 RR170 189 63.32 \$352 \$132 63 \$10 \$17.20 62 TOTAL \$75,208 786,196 11,026 \$40,593 63 CHECK TOTAL \$75,208 11,026 \$40,593 64 65 66

(1) Current monthly charge excludes fuel, ad valorem, and transmission by others charge

67 68

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 1 - RATE 19 - U10 RESIDENTIAL REDDY-GUARD SUMMARY RESULTS

No.	A	В	C	D	E	F	G	н		J	K	L	M	N	O	Р	Q	ĸ	S
1	В	UNMET	TERED A	LLOCATED	COSTS RESU	ILTS													
2						PROD	TRANS	DIST	TOT PTDG	LIGHTING	LIGHTING	COST BASED	CAPPED			CALCULATED		CURRENT	INCR/DECR
3	Rev Cod	•	Watts	ANNUAL UNITS	ANNUAL KWH	(Excl Fuel) \$0.00942	\$0.00092	(WO LTG) \$0.01681	NOE \$0.02715	NOE \$0.03707	PLANT \$0.03971	CALCULATED	PROPOSED THLY CHARGES (*	EXISTING	INCREASE/	ANNUAL REVENUES	ANNUAL REVENUES	ANNUAL REVENUES	ANNUAL REVENUES
5	ner oou	•	watts	Oiiiio		ψ0.0034 <u>2</u>	40.00052	ψ0.01001	Q0.02710	40.00707	ψ0.00571		ustment Factors	.,	DEGREAGE	REVENUEU	KEVENOLO	REVEROLO	REVENOLO
	Unmeter											(0.21)	0.21						
7 8	RR001	HPS	35	0	0	\$0.13 \$0.13	\$0.01 \$0.01	\$0.24 \$0.24	\$0.38 \$0.38	\$0.52 \$0.52	\$0.56 \$0.56	\$1,46	C4.04	£4.00	21.01%	60	60	\$0	0.0
9	RR002	HPS	50		554	\$5.22	\$0.01	\$0.24 \$9.32	\$0.36 \$15.05	\$0.52 \$20.55	\$22.02	\$1.40	\$4.84	\$4.00	21.01%	\$0	\$0	\$0	\$0
10				27		\$0.19	\$0.02	\$0.35	\$0.56	\$0.76	\$0.82	\$2.13	\$5.02	\$4.15	21.01%	\$58	\$136	\$113	\$22
	RR003	HPS	100		104,185	\$981.42	\$95.85	\$1,751.34	\$2,828.61	\$3,862.13	\$4,137.17								
12	RR004	HPS	150	2,063	411,324	\$0.48 \$3,874.67	\$0.05 \$378.42	\$0.85 \$6,914.36	\$1.37 \$11,167.45	\$1.87 \$15,247.78	\$2.01 \$16,333.68	\$5.25	\$8.99	\$7.43	21.01%	\$10,828	\$18,548	\$15,293	\$3,255
14	1111004	0	100	5,796	411,024	\$0.67	\$0.07	\$1.19	\$1.93	\$2.63	\$2.82	\$7.38	\$9.38	\$7.75	21.01%	\$42,749	\$54,356	\$44,812	\$9,544
15	RR005	HPS	250		66,751	\$628.79	\$61.41	\$1,122.08	\$1,812.29	\$2,474.45	\$2,650.68								
16	RR006	HPS	400	605	32,164	\$1.04 \$302.98	\$0.10 \$29.59	\$1.85 \$540.67	\$3.00 \$873.25	\$4.09 \$1,192.32	\$4.38 \$1,277.23	\$11.47	\$13.26	\$10.96	20.96%	\$6,937	\$8,020	\$6,716	\$1,305
18	KKUUU	пгэ	400	188	32,104	\$302.96 \$1.61	\$29.59 \$0.16	\$540.67 \$2.88	\$673.25 \$4.64	\$1,192.32 \$6.34	\$1,277.23	\$17.78	\$15.66	\$12.94	21.01%	\$3,343	\$2,944	\$2,437	\$506
	RR007	HPS	1000		0	\$3.67	\$0.36	\$6.55	\$10.59	\$14.46	\$15.48	ψσ	ψ10.00	Ų.Z.O.	21.0170	ψ0,010	Q2,0 · ·	Q2, 101	\$
20				0		\$3.67	\$0.36	\$6.55	\$10.59	\$14.46	\$15.48	\$40.53	\$32.76	\$27.07	21.01%	\$0	\$0	\$0	\$0
21	RR010	MV	175		800,865	\$7,544.15	\$736.80	\$13,462.54	\$21,743.48	\$29,688.06	\$31,802.34								
23	KKUIU	IVIV	175	10,865	000,003	\$0.69	\$0.07	\$13,402.54	\$21,743.46	\$29,000.00	\$2.93	\$7.66	\$5.95	\$4.92	21.01%	\$83.234	\$64.686	\$53,170	\$11,516
24	RR011	MV	250		19,767	\$186.21	\$18.19	\$332.28	\$536.67	\$732.76	\$784.95	,	,,,,,	****		,	, , , , , , , , , , , , , , , , , , , ,	****	
25				191		\$0.97	\$0.10	\$1.74	\$2.81	\$3.84	\$4.11	\$10.76	\$7.55	\$6.24	21.01%	\$2,054	\$1,442	\$1,220	\$223
26 27	RR012	MV	400	0	0	\$1.50 \$1.50	\$0.15 \$0.15	\$2.67 \$2.67	\$4.31 \$4.31	\$5.89 \$5.89	\$2.87 \$2.87	\$13.07	\$11.21	\$9.26	21.01%	\$0	\$0	\$0	\$0
28	RR013	MV	1000		0	\$3.58	\$0.35	\$6.39	\$10.32	\$14.09	\$2.87	Ψ10.07	Ψ11.21	ψ5.20	21.0170	ψo	ΨΟ	ψÜ	ΨΟ
29				0		\$3.58	\$0.35	\$6.39	\$10.32	\$14.09	\$2.87	\$27.29	\$21.25	\$17.56	21.01%	\$0	\$0	\$0	\$0
30 31	RR014	МН	175		0	\$0.65	\$0.06	\$1.15	\$1.86	\$2.55	\$2.73								
32	KKU14	IVIT	175	0	U	\$0.65	\$0.06	\$1.15	\$1.86	\$2.55 \$2.55	\$2.73	\$7.14	\$6.11	\$5.05	21.01%	\$0	\$0		\$0
33	RR015	МН	250		5,313	\$50.04	\$4.89	\$89.30	\$144.23	\$196.93	\$210.96	·				•			
34	DDO40		400	48	7 000	\$1.04	\$0.10	\$1.86	\$3.00	\$4.10	\$4.39	\$11.50	\$7.78	\$6.43	21.01%	\$552	\$373	\$306	\$68
35 36	RR016	МН	400	46	7,830	\$73.76 \$1.60	\$7.20 \$0.16	\$131.63 \$2.86	\$212.59 \$4.62	\$290.27 \$6.31	\$310.94 \$6.76	\$17.69	\$11.41	\$9.43	21.01%	\$814	\$525	\$431	\$94
37				40		Ψ1.00	\$0.10	Ψ2.00	ψ+.0 <u>2</u>	ψ0.01	ψ0.70	Ψ17.03	Ψ11.41	ψ5.40	21.0170	ΨΟΙΨ	Ψ020	ΨΨΟΙ	ΨΟΨ
38	RR026	LED	60		29,897	\$281.63	\$27.51	\$502.57	\$811.71	\$1,108.29	\$1,187.22								
39	RR030	LED	66	1,201	28	\$0.23 \$0.27	\$0.02 \$0.03	\$0.42 \$0.48	\$0.68 \$0.77	\$0.92 \$1.06	\$0.99 \$1.13	\$2.59	\$10.75	\$8.88	21.01%	\$3,107	\$12,905	\$7,488	\$5,417
41	KKUSU	LED	00	1	20	\$0.27	\$0.03	\$0.48	\$0.77	\$1.06	\$1.13	\$2.96	\$11.82	\$9.77	21.01%	\$3	\$12	\$17	(\$5)
42	RR035	LED	73		1,158	\$10.91	\$1.07	\$19.47	\$31.45	\$42.93	\$45.99								
43		. ==		46		\$0.24	\$0.02	\$0.42	\$0.68	\$0.93	\$1.00	\$2.62	\$11.31	\$9.34	21.01%	\$120	\$520	\$455	\$65
44 45	RR060	LED	126	8	416	\$3.92 \$0.49	\$0.38 \$0.05	\$7.00 \$0.87	\$11.30 \$1.41	\$15.43 \$1.93	\$16.53 \$2.07	\$5.41	\$16.47	\$13.61	21.01%	\$43	\$132	\$71	\$61
46	RR070	LED	189		330	\$3.11	\$0.30	\$5.55	\$8.96	\$12.24	\$13.11	ψ0.41	ψ10.47	ψ10.01	21.0170	Ψ+0	Ψ102	Ψ	ΨΟΙ
47				4		\$0.78	\$0.08	\$1.39	\$2.24	\$3.06	\$3.28	\$8.58	\$24.70	\$20.41	21.01%	\$34	\$99	\$35	\$64
48 49	TOTAL			21,089	1,480,583			REV REQ	\$40,225	\$54,923	\$58,794					\$153,877	\$164,699	\$132,563	\$32,136
50	TOTAL			21,009	1,400,565			CHECK	\$40,225	\$54,885	\$58,794	\$153,877			Pre	sent Revenues	\$132,563	\$132,303	φ32, 130
51									\$27	\$38	\$0	*,				Increase	\$32,136		
52						Difference	due to no kW	h in light units	\$27	\$38									
53 54																			
55																			
56																			
57 58	NOTES																		
59			monthly	charge exclu	udes fuel, ad va	alorem, and tran	smission by of	hers charge											
60						ite monthly char			from Table 7										
61 62																			
02																			

NOTES:

(1) Current monthly charge excludes fuel, ad valorem, and transmission by others charge.

(2) Revenue Codes with no annual kWh calculate monthly charges based on kWh/Mo rating from Table 7

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 1 - RATE 19 - U10 RESIDENTIAL REDDY-GUARD SUMMARY RESULTS

С	METER	RED ALLO	CATED C	OSTS RESULT	S PROD	TRANS	DIST	TOT PTDG	LIGHTING	LIGHTING	COST BASED	CAPPED		DEDOENT		PROPOSER	CURRENT	WOD/DEOD
Rev Co	de	Watts	ANNUAL UNITS	ANNUAL KWH	(Excl Fuel)	IKANS	(WO LTG)	NOE \$0.00000	NOE \$0.03355	PLANT \$0.04858	CALCULATED MON	PROPOSED THLY CHARGES (ustment Factors	EXISTING 1)	INCREASE/	CALCULATED ANNUAL REVENUES	ANNUAL REVENUES	ANNUAL REVENUES	INCR/DECR ANNUAL REVENUES
Metered	d HPS	35		0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.47	\$0.68	(0.21)	0.21						
RR100	прэ	35	0	U	\$0.00	\$0.00	\$0.00	\$0.00 \$0.00	\$0.47 \$0.47	\$0.68	\$1.16	\$4.39	\$3.63	21.01%	\$0.00	\$0	\$0	\$0
RR101	HPS	50		1,186	\$0.00	\$0.00	\$0.00	\$0.00	\$39.79	\$57.61								
RR102	HPS	100	60	27.616	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.66 \$926.59	\$0.96 \$1,341.59	\$1.62	\$4.39	\$3.63	21.01%	\$97.40	\$264	\$219	\$44
NN 102	пгэ	100	557	27,010	\$0.00	\$0.00	\$0.00	\$0.00	\$1.66	\$2.41	\$4.07	\$6.05	\$5.00	21.01%	\$2,268.18	\$3,370	\$2,811	\$559
RR103	HPS	150		225,275	\$0.00	\$0.00	\$0.00	\$0.00	\$7,558.58	\$10,943.88			4= 00		*** *** ***	***	***	*****
RR104	HPS	250	3,233	8,630	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$2.34 \$289.55	\$3.39 \$419.23	\$5.72	\$7.12	\$5.88	21.01%	\$18,502.46	\$23,004	\$19,203	\$3,800
111104	111-5	250	80	0,030	\$0.00	\$0.00	\$0.00	\$0.00	\$3.62	\$5.24	\$8.86	\$9.24	\$7.64	20.94%	\$708.77	\$739	\$616	\$123
RR105	HPS	400		21,933	\$0.00	\$0.00	\$0.00	\$0.00	\$735.91	\$1,065.51								
RR106	HPS	1000	132	0	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$5.58 \$13.08	\$8.07 \$18.94	\$13.65	\$9.74	\$8.05	21.01%	\$1,801.42	\$1,286	\$1,072	\$214
W 100	111-5	1000	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$13.08	\$18.94	\$32.03	\$18.05	\$14.92	21.01%	\$0.00	\$0	\$0	\$0
RR110	MV	175	6,827	494,002	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$16,575.04 \$2.43	\$23,998.60 \$3.52	\$5.94	\$2.80	\$2.31	21.01%	\$40,573.64	\$19,084	\$15,933	\$3,150
RR111	MV	250	0,027	3,630	\$0.00	\$0.00	\$0.00	\$0.00	\$121.80	\$176.35	ψ0.54	Ψ2.00	Ψ2.51	21.0170	ψ40,373.04	φ19,004	ψ10,933	\$3,130
			36	_	\$0.00	\$0.00	\$0.00	\$0.00	\$3.38	\$4.90	\$8.28	\$3.49	\$2.88	21.01%	\$298.15	\$125	\$105	\$21
RR112	MV	400	0	0	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$5.33 \$5.33	\$3.52 \$3.52	\$8.84	\$4.39	\$3.63	21.01%	\$0.00	\$0	\$0	\$0
RR113	MV	1000	Ū	0	\$0.00	\$0.00	\$0.00	\$0.00	\$12.76	\$3.52	ψ0.04	ψ+.00	ψ0.00	21.0170	ψ0.00	ΨΟ	ψŪ	ΨΟ
			0		\$0.00	\$0.00	\$0.00	\$0.00	\$12.76	\$3.52	\$16.27	\$8.59	\$7.10	21.01%	\$0.00	\$0	\$0	\$0
RR114	МН	175		0	\$0.00	\$0.00	\$0.00	\$0.00	\$2.30	\$3.34								
			0	· ·	\$0.00	\$0.00	\$0.00	\$0.00	\$2.30	\$3.34	\$5.64	\$3.30	\$2.73	21.01%	\$0.00	\$0	\$0	\$0
RR115	МН	250	24	2,332	\$0.00	\$0.00	\$0.00	\$0.00	\$78.23 \$3.26	\$113.27	\$7.98	27.00	***	04.040/	0404.50	0404	\$158	***
RR116	мн	400	24	0	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$5.26 \$5.15	\$4.72 \$7.45	\$7.96	\$7.68	\$6.35	21.01%	\$191.50	\$184	\$156	\$26
			0		\$0.00	\$0.00	\$0.00	\$0.00	\$5.15	\$7.45	\$12.60	\$9.74	\$8.05	21.01%	\$0.00	\$0	\$0	\$0
RR125	LED	55		241	\$0.00	\$0.00	\$0.00	\$0.00	\$8.09	\$11.71								
KK 125	LED	55	13	241	\$0.00	\$0.00	\$0.00	\$0.00	\$0.62	\$0.90	\$1.52	\$8.72	\$7.21	21.01%	\$19.80	\$113	\$99	\$15
RR126	LED	60		1,246	\$0.00	\$0.00	\$0.00	\$0.00	\$41.81	\$60.54								
RR160	LED	126	62	42	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.67 \$1.42	\$0.98 \$2.05	\$1.65	\$9.51	\$7.86	21.01%	\$102.35	\$590	\$356	\$234
KK 100	LED	120	1	42	\$0.00	\$0.00	\$0.00	\$0.00	\$1.42	\$2.05	\$3.47	\$13.87	\$11.47	21.01%	\$3.47	\$14	\$11	\$2
RR170	LED	189		63	\$0.00	\$0.00	\$0.00	\$0.00	\$2.12	\$3.08								
			1		\$0.00	\$0.00	\$0.00	\$0.00	\$2.12	\$3.08	\$5.20	\$20.81	\$17.20	21.01%	\$5.20	\$21	\$10	\$11
TOTAL			11,026	786,196			REV REQ	\$0	\$26,418	\$38,193					\$64,572	\$48,794	\$40,593	\$8,200
							CHECK	\$0	\$26,379	\$38,193	\$64,572			Pres	sent Revenues	\$40,593		
					Difference	due to no kW	h in light units	\$0 \$0	\$39 \$39	\$0						\$8,200		
					50.0.00	ado to no mi	g.ii. u.ii.o	ψ0	400									
														Proposed Tota	al Rate 19 U10	\$213,492		
														Current Tota	al Rate 19 U10	\$173,156		
NOTE	s.														Increase	\$40,336		
		t monthly o	harge excl	udes fuel, ad va	alorem, and tran	smission by ot	hers charge.											
					ed in metered ra				the customer;s	service bill.								
(اد) Kevenu	ue Codes v	vitri no ann	uai KVVN calcula	ite monthly char	ges based on l	kvvii/ivio rating	IIOII1 I able /										

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 2 - RATE 19 - U20 COMMERCIAL REDDY-GUARD SUMMARY RESULTS

Line No. В С Е G - 1 J K L М 0 Р Q R S A BILLING STATISTICS ANNUAL CURRENT SCALED PI ANT ANNUAL BASE TOT \$ ΔΝΝΙΙΔΙ MONTHI Y NFT KWH/MO CHARGE (1) 4 Rev Code Watts Lumens INSTALLED ΡΙ ΔΝΤ KWH UNITS REVENUES 6 Unmetered 7 RC001 HPS 35 4.095 14.07 \$0 \$0 0 \$0 \$4,00000 \$102 \$4.15000 8 RC002 HPS 50 5.850 19.77 \$38 168 \$38 9 RC003 HPS 100 11,700 49.58 \$161 \$6,526 76,513 1,568 \$11,710 \$7.43000 10 RC004 HPS 150 17,550 \$179 \$31,217 490,128 7,158 \$56,008 \$7.75000 69.68 11 RC005 HPS 5,854 \$10.96000 250 29,250 107.87 \$280 \$47,296 623,563 \$65,140 12 RC006 HPS \$12.94000 400 46,800 166.16 \$286 \$37,093 783,524 4,827 \$63,677 13 RC007 HPS \$391 \$1,024 \$27.07000 1000 117,000 389.94 32,427 84 \$2,318 15 RC010 MV 175 8,750 72.36 \$234 \$59,925 738,513 10,383 \$51,623 \$4.92000 16 RC011 MV 250 12,500 100.84 \$251 \$3,288 49,067 493 \$3,085 \$6.24000 17 RC012 MV 400 20,000 158.79 \$295 \$1,216 22,730 145 \$1,365 \$9.26000 18 RC013 MV 1000 380.23 \$0 \$0 \$17.56000 20 RC014 MH 175 15,225 68.68 \$0 0 \$5,05000 \$8,704 21 RC015 MH 92,001 \$5,531 250 21,750 97.15 \$327 861 \$6.43000 22 RC016 MH 23 RC017 MH 400 34,800 153.43 \$365 \$25,543 425.990 2,584 \$24.254 \$9,43000 87.000 1000 380.23 \$835 \$8,436 174.998 469 \$8,434 \$17.59000 25 RC026 LED \$224 \$8.88000 60 20.10 \$43,354 20,926 839 \$5,249 26 RC030 LED 66 \$84 \$9.76800 22.11 \$224 211 \$101 10 27 RC035 LED 24.46 \$224 \$252 \$157 \$9.34400 73 397 15 28 RC060 LED \$274 \$13.60800 126 42.21 \$6,362 5,150 103 \$1,084 29 RC070 LED 30 RC080 LED 189 63.32 \$352 \$16,064 17,756 239 \$3,937 \$20.41200 319 106.87 \$610 \$29.34800 \$1,826 6,295 \$1,688 31 32 33 34 35 36 37 TOTAL \$298,249 3,560,355 35,698 \$305,399 CHECK TOTAL \$298,249 3,560,355 35,698 \$305,399 CURRENT SCALED. ΡΙ ΔΝΤ ΔΝΝΙΙΔΙ ANNUAL ANNUAL BASE MONTHI Y 38 TOT \$ NFT 39 Rev Code Watts Lumens KWH/MO INSTALLED PLANT KWH UNITS REVENUES CHARGE (1) 40 41 Metered 42 RC100 HPS 35 4.095 14.07 \$0 \$0 \$3.63 43 RC101 HPS 5,850 4,269 19.77 \$102 \$687 216 \$795 \$3.63 50 44 RC102 HPS 100 11,700 49.58 \$161 \$3,082 32,326 652 \$3,291 \$5.00 150 \$179 \$13,465 168,347 \$14,389 45 RC103 HPS 17,550 69.68 2,416 \$5.88 46 RC104 HPS \$280 250 29,250 107.87 \$26,427 350,685 3,251 \$25,131 \$7.64 47 RC105 HPS 400 \$286 487,513 2,934 \$23,834 \$8.05 46,800 166.16 \$26,051 48 RC106 HPS 1000 117,000 389.94 \$391 28,076 72 \$1,087 \$14.92 50 RC110 MV 175 8,750 72.36 \$234 \$4,475 295,012 4,077 \$9,518 \$2.31 51 RC111 MV 250 12,500 100.84 \$251 \$18,882 34,687 344 \$1,004 \$2.88 52 RC112 MV 400 20,000 158.79 \$295 \$27,855 14,767 93 \$342 \$3.63 53 RC113 MV 1000 50,000 380.23 \$423 \$38,491 4,563 12 \$86 \$7.10 55 RC114 MH 68.68 175 15,225 \$0 \$2.73 0 56 RC115 MH 57 RC116 MH 58 RC117 MH \$4,536 \$327 46.243 476 \$3.048 250 21,750 97.15 \$6.35 400 34.800 153.43 \$365 \$11,611 153,890 1,003 \$8,154 \$8.05 1000 87.000 \$224 \$420 1.327 60 \$905 22.11 \$17.56 60 RC126 LED 60 \$224 22 20.10 \$1.092 442 \$147 \$7.86 61 RC130 LED \$274 24 66 22.11 \$205 531 \$210 \$8.65 62 RC160 LED 126 42.21 \$352 \$658 253 \$41 \$11.47 6 63 RC170 LED 189 63.32 \$610 \$685 380 \$75 \$17.20 64 65 TOTAL \$179,499 1,623,312 15,664 \$92,057 66 CHECK TOTAL \$179,499 1,623,312 15,664 \$92,057

69 NOTES:
 70 (1) Current monthly charge excludes fuel, ad valorem, and transmission by others charge.

71 72

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 2 - RATE 19 - U20 COMMERCIAL REDDY-GUARD SUMMARY RESULTS

No. В C D Е G н . J Κ L м Ν 0 Q s B UNMETERED ALLOCATED COSTS RESULTS TOT PTDG LIGHTING LIGHTING CURRENT INCR/DECR PROD TRANS DIST COST BASED CAPPED PERCENT CALCULATED PROPOSED CALCULATED ΔΝΝΙΙΔΙ ΔΝΝΙΙΔΙ (Excl Fuel) (WO LTG) NOF NOF PI ANT PROPOSED EXISTING INCREASE/ ANNUAL ΔΝΝΙΙΔΙ ΔΝΝΙΙΔΙ ΔΝΝΙΙΔΙ --- MONTHLY CHARGES (1) ---Watts UNITS \$0,00092 \$0.03707 \$0.03971 DECREASE REVENUES REVENUES REVENUES REVENUES 4 Rev Code KWH \$0.00942 \$0.01681 \$0.02715 \$0.00993 Can Adjustment Factors Unmetered (0.21)35 \$0.01 \$0.38 \$0.52 \$0.56 RC001 HPS 0 \$0.13 \$0.24 \$0.13 \$0.01 \$0.38 \$0.52 \$0.56 \$1.46 \$4.84 \$4.00 21.01% \$0 \$0 \$0 \$0 0 \$0.24 9 RC002 HPS 50 168 \$1.58 \$0.15 \$2.82 \$4.55 \$6.22 \$6.66 \$0.18 \$0.02 \$0.31 \$0.51 \$0.69 \$0.74 \$1.94 \$5.02 \$4.15 21.01% \$17 \$45 \$38 \$7 11 RC003 HPS 100 76,513 \$720.75 \$70.39 \$1,286.18 \$2,077.33 \$2,836.34 \$3.038.33 1,568 \$0.46 \$0.04 \$0.82 \$1.81 \$5.07 \$8.99 21.01% \$7,952 \$14,098 \$11,710 \$2,387 \$1.32 \$1.94 \$7.43 13 RC004 HPS 150 490,128 \$4,617.00 \$450.92 \$8,239.05 \$13,306.97 \$18,169.04 \$19,462.98 7,158 \$0.65 \$0.06 \$1.15 \$1.86 \$2.54 \$2.72 \$7.12 \$9.38 \$7.75 21.01% \$50,939 \$67,129 \$56,008 \$11,121 15 RC005 HPS 250 623,563 \$5,873.96 \$573.68 \$10,482.09 \$16,929.73 \$23,115.47 \$24,761,67 5,854 \$1.00 \$0.10 \$1.79 \$2.89 \$3.95 \$4.23 \$11.07 \$13.26 \$10.96 20.99% \$64,807 \$77,627 \$65,140 \$12,488 \$31,113.72 17 RC006 HPS 400 783,524 \$7,380.79 \$720.84 \$13,171,03 \$21 272 67 \$29.045.22 18 4,827 \$1.53 \$0.15 \$2.73 \$4.41 \$6.02 \$6.45 \$16.87 \$15.66 \$12.94 21.01% \$81,432 \$75,584 \$63,677 \$11,907 19 RC007 HPS 1000 32,427 \$305.46 \$29.83 \$545.09 \$880.38 \$1,202.05 \$1,287,66 20 84 \$3.64 \$0.36 \$6.49 \$10.48 \$14.31 \$15.33 \$40.12 \$32.76 \$27.07 21.01% \$3,370 \$2,752 \$2,318 \$434 21 22 RC010 MV 175 738,513 \$6,956.79 \$679.43 \$12,414.40 \$20,050.62 \$27,376.67 \$29,326.34 10,383 23 \$0.67 \$0.07 \$1.20 \$1.93 \$2.64 \$2.82 \$7.39 \$5.95 \$4.92 21.01% \$76,754 \$61,817 \$51,623 \$10,193 24 RC011 MV 250 49.067 \$1,818.91 \$1.948.45 \$462.21 \$45.14 \$824.82 \$1,332,17 493 \$10.34 \$7.55 21.01% \$3,723 \$3.085 \$637 25 \$0.94 \$0.09 \$1.67 \$2.70 \$3.69 \$3.95 \$6.24 \$5,100 26 RC012 MV 22.730 \$214.12 \$842.62 400 \$20.91 \$382.10 \$617.13 \$902.63 27 145 \$1.48 \$0.14 \$2.64 \$4.26 \$5.81 \$6.23 \$16.29 \$11.21 \$9.26 21.01% \$2.362 \$1.625 \$1.365 \$259 28 RC013 MV 1000 0 \$3.58 \$0.35 \$6.39 \$10.32 \$14.09 \$2.87 0 \$0.35 \$6.39 \$10.32 \$14.09 \$2.87 \$27.29 \$21.25 \$17.56 21.01% \$0 \$0 \$0 \$0 \$3.58 30 31 RC014 MH 175 0 \$0.65 \$0.06 \$1.15 \$1.86 \$2.55 \$2.73 32 0 \$0.65 \$0.06 \$1.15 \$1.86 \$2.55 \$2.73 \$7.14 \$6.11 \$5.05 21.01% \$0 \$0 \$0 \$0 33 RC015 MH 250 92.001 \$866.65 \$84.64 \$1,546.54 \$2,497.83 \$3,410.48 \$3,653,36 34 861 \$1.01 \$0.10 \$1.80 \$2.90 \$3.96 \$4 24 \$11.11 \$7.78 \$6.43 21.01% \$9.562 \$6,699 \$5.531 \$1,168 35 RC016 MH 400 425,990 \$4 012 82 \$391.91 \$7 160 89 \$11 565 62 \$15 791 44 \$16,916,05 2.584 \$1.55 \$0.15 \$2.77 \$4.48 \$6.11 \$6.55 \$17.13 \$11.41 \$9.43 21.01% \$44.273 \$29,486 \$24,254 \$5.232 37 RC017 MH 1000 174 998 \$1,648,48 \$161.00 \$2.941.72 \$4 751 20 \$6 487 18 \$6,949,18 38 469 \$3.51 \$0.34 \$6.27 \$10.13 \$13.83 \$14.82 \$38.78 \$21.29 \$17.59 21.01% \$18,188 \$9,983 \$8,434 \$1,549 60 \$197.12 \$19.25 \$351.76 \$568.13 \$775.71 \$830.95 40 RC026 LED 20,926 839 \$10.75 \$8.88 21.01% \$2,175 \$3,766 41 \$0.23 \$0.02 \$0.42 \$0.68 \$0.92 \$0.99 \$2.59 \$9.016 \$5,249 42 RC030 LED 66 211 \$1.99 \$0.19 \$3.55 \$5.74 \$7.83 \$8.39 10 21.01% \$18 43 \$0.20 \$0.02 \$0.36 \$0.57 \$0.78 \$0.84 \$2.20 \$11.82 \$9.77 \$22 \$118 \$101 44 RC035 LED 73 397 \$10.78 \$14.72 \$3.74 \$0.37 \$6.67 \$15.76 45 15 \$0.25 \$0.02 \$0.44 \$0.72 \$0.98 \$1.05 \$2.75 \$11.31 \$9.34 21.01% \$41 \$170 \$157 \$12 46 RC060 LED 126 5,150 \$48.51 \$4.74 \$86.57 \$139.82 \$190.90 \$204.50 103 \$0.47 \$0.05 \$0.84 \$1.36 \$1.85 \$1.99 \$5.20 \$16.47 \$13.61 21.01% \$535 \$1,696 \$1,084 \$613 48 RC070 LED 189 17,756 \$167.26 \$16.34 \$298.48 \$482.08 \$658.22 \$705.09 239 \$0.70 \$0.07 \$1.25 \$2.02 \$2.75 \$2.95 \$7.72 \$24.70 \$20.41 21.01% \$1,845 \$5,903 \$3,937 \$1,966 \$170.90 50 RC080 LED 319 6,295 \$59.30 \$5.79 \$105.81 \$233.34 \$249.96 51 57 \$1.04 \$0.10 \$1.86 \$3.00 \$4.09 \$4.39 \$11.48 \$35.51 \$29.35 21.01% \$654 \$2.024 \$1.688 \$337 52 53 TOTAL 35,698 3,560,355 **REV REQ** \$96,676 \$132,000 \$141,382 \$370,028 \$369,494 \$305,399 \$64,095 54 CHECK \$96,664 \$131,982 \$141,382 \$370,028 Present Revenues 55 \$13 \$17 \$0 Increase \$64.095

58 NOTES

56 57

61 62

Line

Difference due to no kWh in light units

\$13

\$17

⁵⁹ (1) Current monthly charge excludes fuel, ad valorem, and transmission by others charge. 60

⁽²⁾ Revenue Codes with no annual kWh calculate monthly charges based on kWh/Mo rating from Table 7

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 2 - RATE 19 - U20 COMMERCIAL REDDY-GUARD SUMMARY RESULTS

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C METERED ALLOCATED COSTS RESULTS LIGHTING TOT PTDG LIGHTING CURRENT INCR/DECR PROD TRANS DIST COST BASED CAPPED PERCENT CALCULATED PROPOSED CALCULATED ΔΝΝΙΙΔΙ ΔΝΝΙΙΔΙ (Excl Fuel) (WO LTG) NOF NOF PI ANT PROPOSED EXISTING INCREASE/ ANNUAL ΔΝΝΙΙΔΙ ΔΝΝΙΙΔΙ ΔΝΝΙΙΔΙ Watts UNITS \$0,00000 \$0.03355 \$0.04858 --- MONTHLY CHARGES (1) ---DECREASE REVENUES REVENUES REVENUES REVENUES 4 Rev Code KWH \$0,00000 Can Adjustment Factors (0.21)0.21 6 Metered 35 \$0.00 \$0.00 \$0.00 \$0.00 \$0.68 RC100 HPS 0 \$0.47 0 \$0.00 \$0.00 \$0.00 \$0.00 \$0.47 \$0.68 \$1.16 \$4.39 \$3.63 21.01% \$0 \$0 \$0 \$0 9 RC101 HPS 50 4,269 \$0.00 \$0.00 \$0.00 \$0.00 \$143.24 \$207.40 216 \$0.00 \$0.00 \$0.00 \$0.00 \$0.66 \$0.96 \$1.62 \$4.39 \$3.63 21.01% \$351 \$949 \$795 \$154 11 RC102 HPS 100 32,326 \$0.00 \$0.00 \$0.00 \$1,084.63 \$1,570.40 \$0.00 652 \$0.00 \$0.00 \$0.00 \$1.66 \$2.41 \$4.07 \$6.05 21.01% \$2,655 \$3,945 \$3,291 \$654 \$0.00 \$5.00 13 RC103 HPS 150 168,347 \$0.00 \$0.00 \$0.00 \$0.00 \$5,648.47 \$8,178.29 2,416 \$0.00 \$0.00 \$0.00 \$0.00 \$2.34 \$3.39 \$5.72 \$7.12 \$5.88 21.01% \$13,827 \$17,191 \$14,389 \$2,801 15 RC104 HPS 250 350,685 \$0.00 \$0.00 \$0.00 \$0.00 \$11,766.40 \$17,036.30 3,251 \$0.00 \$0.00 \$0.00 \$0.00 \$3.62 \$5.24 \$8.86 \$9.24 \$7.64 20.94% \$28,803 \$30,038 \$25,131 \$4,908 \$23,683.40 17 RC105 HPS 400 487,513 \$0.00 \$0.00 \$0.00 \$0.00 \$16.357.34 18 2,934 \$0.00 \$0.00 \$0.00 \$0.00 \$5.58 \$8.07 \$13.65 \$9.74 \$8.05 21.01% \$40.041 \$28,581 \$23,834 \$4,747 19 RC106 HPS 1000 28,076 \$0.00 \$0.00 \$0.00 \$0.00 \$942.01 \$1,363,92 20 72 \$0.00 \$0.00 \$0.00 \$0.00 \$13.08 \$18.94 \$32.03 \$18.05 \$14.92 21.01% \$2,306 \$1,300 \$1,087 \$213 21 22 RC110 MV 175 295,012 \$0.00 \$0.00 \$0.00 \$0.00 \$9,898.41 \$0.00 4,077 \$2.79 23 \$0.00 \$0.00 \$0.00 \$0.00 \$2.43 \$0.00 \$2.43 \$2.31 20.69% \$9,898 \$11,366 \$9,518 \$1,848 24 RC111 MV 250 34.687 \$1.163.85 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 344 \$3.48 20.95% \$1,164 \$1,198 \$1.004 \$194 25 \$0.00 \$0.00 \$0.00 \$0.00 \$3.38 \$0.00 \$3.38 \$2.88 26 RC112 MV 14.767 \$495.49 400 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 27 \$67 93 \$0.00 \$0.00 \$0.00 \$0.00 \$5.33 \$0.00 \$5.33 \$4.39 \$3.63 21.01% \$495 \$409 \$342 28 RC113 MV 1000 4,563 \$0.00 \$0.00 \$0.00 \$153.09 \$0.00 \$0.00 29 12 \$0.00 \$0.00 \$0.00 \$0.00 \$12.76 \$0.00 \$12.76 \$8.59 \$7.10 21.01% \$153 \$103 \$86 \$17 30 31 RC114 MH 175 0 \$0.00 \$0.00 \$0.00 \$0.00 \$2.30 \$3.34 32 0 \$0.00 \$0.00 \$0.00 \$0.00 \$2.30 \$3.34 \$5.64 \$3.30 \$2.73 21.01% \$0 \$0 \$0 \$0 33 RC115 MH 250 46,243 \$0.00 \$0.00 \$0.00 \$0.00 \$1,551.59 \$2,246,50 34 476 \$0.00 \$0.00 \$0.00 \$0.00 \$3.26 \$4.72 \$7.98 \$7.68 \$6.35 21.01% \$3,798 \$3,658 \$3.048 \$609 35 RC116 MH 153,890 400 \$0.00 \$0.00 \$0.00 \$0.00 \$5,163,42 \$7 475 99 1,003 \$0.00 \$0.00 \$0.00 \$0.00 \$5.15 \$7.45 \$12.60 \$9.74 \$8.05 21.01% \$12,639 \$9,770 \$8,154 \$1,616 36 37 RC117 MH 1000 1.327 \$0.00 \$0.00 \$0.00 \$0.00 \$44.51 \$64.45 38 60 \$0.00 \$0.00 \$0.00 \$0.00 \$0.74 \$1.07 \$1.82 \$21.25 \$17.56 21.01% \$109 \$1,275 \$905 \$370 39 \$0.00 40 60 \$0.00 \$14.84 \$21.48 RC126 LED 442 \$0.00 \$0.00 22 \$7.86 21.01% \$36 \$147 \$63 41 \$0.00 \$0.00 \$0.00 \$0.00 \$0.67 \$0.98 \$1.65 \$9.51 \$209 42 RC130 LED 66 531 \$0.00 \$0.00 \$0.00 \$0.00 \$17.80 \$25.78 24 21.01% 43 \$0.00 \$0.00 \$0.00 \$0.00 \$0.74 \$1.07 \$1.82 \$10.47 \$8.65 \$44 \$251 \$210 \$41

\$8.50

\$1.42

\$2.12

\$54,469

\$54,466

\$3

\$3

\$12.75

\$12.30

\$2.05

\$18.46

\$3.08

\$61,905

\$61,905

\$0

\$3.47

\$5.20

\$116,371

\$13.87

\$20.81

Proposed Total Rate 19 U20 \$479,944
Current Total Rate 19 U20 \$397,456

21.01%

21.01%

\$21

\$31

\$116,371

Present Revenues

83.24916

\$110,451

\$125

\$41

\$75

\$92,057

\$43

\$50

\$18,394

\$11.47

\$17.20

44 RC160 LED

46 RC170 LED

45

47

49 TOTAL

51

59

60

61

62

189

189

6

15,664

Line No.

В

С

D

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G

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(1) Current monthly charge excludes fuel, ad valorem, and transmission by others charge.

253

380

1,623,312

(2) Metered plant costs per lamp are not included in metered rates since they are metered and included with the customer;s service bill.

\$0.00

\$0.00

\$0.00

\$0.00

\$0.00

\$0.00

\$0.00

\$0.00

Difference due to no kWh in light units

\$0.00

\$0.00

\$0.00

\$0.00

REV REQ

CHECK

\$0.00

\$0.00

\$0.00

\$0.00

\$0

\$0

\$0

(3) Revenue Codes with no annual kWh calculate monthly charges based on kWh/Mo rating from Table 7

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 3 - RATE 19 - U30 PUBLIC LIGHTING SUMMARY RESULTS

Line С No. D Е F G н Κ L M 0 Q BILLING STATISTICS SCALED NET ANNUAL ANNUAL BASE MONTHLY TOT \$ CHARGE (1) Watts KWH/MO INSTALLED PLANT KWH UNITS REVENUES 4 Rev Code Lumens 6 Unmetered 7 RM001 35 50 \$0 \$0 8 RM002 HPS 5,850 19.77 \$0 \$0 0 \$4.15 9 RM003 HPS 100 150 250 11,700 \$0 \$555 \$266 \$7.43 49.58 \$0 \$0 0 10 RM004 11 RM005 17,550 HPS 69.68 \$211 \$312 \$316 \$234 5.370 \$7.75 75 24 HPS 29,250 107.87 2,706 \$10.96 12 RM006 HPS 400 46,800 166.16 \$319 \$120 2,087 12 \$157 \$12.94 13 RM007 HPS 1000 117,000 389.94 \$0 \$0 \$27.07 14 15 RM010 MV 16 RM011 MV 17 RM012 MV 8,750 \$157 175 72.36 \$264 \$296 2.495 32 \$4.92 100.84 250 12.500 \$0 \$0 \$0 0 \$0 \$0 \$6.24 400 20,000 158.79 \$0 \$9.26 18 RM013 MV 1000 50,000 380.23 \$0 \$0 0 \$0 \$17.56 19 20 RM014 MH 21 RM015 MH 22 RM016 MH 23 Comp 175 15,225 68.68 \$0 \$0 Ω Ω \$0 \$5.05 250 21.750 97 15 \$396 \$594 4 271 39 \$242 \$6.43 400 153.43 \$322 12 \$112 34,800 \$859 2,087 \$9.43 Company Owned 23 RM026 25 RM035 26 27 28 29 30 31 32 33 34 Rev Code 20.10 \$224 \$252 380 14 \$61 \$8.88 LED 73 24.46 \$224 \$84 307 12 \$114 \$9.34 TOTAL \$2.217 19.703 220 \$1.663 CHECK TOTAL \$2,217 19,703 220 \$1,663 SCALED ANNUAL CURRENT TOT \$ NET ANNUAL ANNUAL BASE MONTHLY Watts KWH/MO INSTALLED PLANT KWH UNITS REVENUES CHARGE (1) 35 36 Metered 37 RM100 14.07 \$3.63 35 4,095 \$0 \$0 0 \$0 38 RM101 39 RM102 HPS 5,850 11,700 \$0 \$172 \$0 \$121 \$3.63 \$5.00 50 100 19.77 \$0 HPS 49.58 \$129 1,190 24 40 RM103 41 RM104 HPS 150 17,550 69.68 \$211 \$158 1,672 24 \$143 \$5.88 250 29,250 \$0 \$0 \$0 \$0 \$7.64 \$0 \$0 42 RM105 HPS 400 46,800 166.16 0 \$8.05 43 RM106 \$0 HPS 1000 117,000 389.94 \$0 \$0 0 \$14.92 44 45 RM110 MV 175 8,750 72.36 \$264 \$99 507 \$15 \$2.31 46 RM111 MV 47 RM112 MV 48 RM113 MV 250 12,500 100.84 \$0 \$0 0 \$0 \$2.88 400 20,000 \$0 \$0 \$3.63 1000 50.000 380.23 \$0 \$0 0 \$0 \$7.10 50 RM114 51 RM115 52 RM116 MH 175 15,225 68.68 \$0 \$0 0 0 \$0 \$2.73 250 21,750 MH 97.15 \$0 \$0 0 \$0 \$0 \$6.35 153.43 \$0 \$0 ō \$8.05 52 RM116 53 54 RM126 55 56 57 58 NOTES Company Owned LED 20.10 \$224 \$84 20 \$6 \$7.86 TOTAL \$470 3,389 56 \$285 CHECK TOTAL 56 \$285 \$470 3,389 59

(1) Current monthly charge excludes fuel, ad valorem, and transmission by others charge

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 3 - RATE 19 - U30 PUBLIC LIGHTING SUMMARY RESULTS

Line No.

No.	Α	В	С	D	E	F	G	Н	ı	J	ĸ	L	М	N	0	Р	Q		
1		UNMET	TERED AL	LOCATED	COSTS RES														
2				*******		PROD	TRANS	DIST	TOT PTDG	LIGHTING	LIGHTING	COST BASED	CAPPED	EVICTING		CALCULATED	PROPOSED ANNUAL	CURRENT	INCR/DECR ANNUAL
3		e	Watts	ANNUAL UNITS	ANNUAL KWH	(Excl Fuel) \$0.00942	\$0.00092	(WO LTG) \$0.01681	NOE \$0.02715	NOE \$0.03707	PLANT \$0.03971	CALCULATED MONTH	PROPOSED HLY CHARGES (1	EXISTING	INCREASE/ DECREASE	ANNUAL REVENUES	REVENUES	ANNUAL REVENUES	REVENUES
5	5					*******	*******	*******	*******	*******	V	Cap Adjı	ustment Factors	,					
7		ed HPS	35		0	\$0.13	\$0.01	\$0.24	\$0.38	\$0.52	\$0.56	(0.21)	0.21						
8		пгэ	33	0	U	\$0.13	\$0.01	\$0.24	\$0.38	\$0.52	\$0.56	\$1.46	\$4.84	\$4.00	21.01%	\$0	\$0	\$0	\$0
9		HPS	50		0	\$0.19	\$0.02	\$0.33	\$0.54	\$0.73	\$0.78	*0.05	#5.00	04.45	04.040/	**	••		**
10 11		HPS	100	0	0	\$0.19 \$0.47	\$0.02 \$0.05	\$0.33 \$0.83	\$0.54 \$1.35	\$0.73 \$1.84	\$0.78 \$1.97	\$2.05	\$5.02	\$4.15	21.01%	\$0	\$0	\$0	\$0
12				0		\$0.47	\$0.05	\$0.83	\$1.35	\$1.84	\$1.97	\$5.15	\$8.99	\$7.43	21.01%	\$0	\$0	\$0	\$0
13 14		HPS	150	75	5,370	\$50.59 \$0.67	\$4.94 \$0.07	\$90.27 \$1.20	\$145.80 \$1.94	\$199.07 \$2.65	\$213.25 \$2.84	\$7.44	\$9.38	\$7.75	21.01%	\$558	\$703	\$555	\$149
15	RM005	HPS	250		2,706	\$25.49	\$2.49	\$45.49	\$73.47	\$100.32	\$107.46					• • • • • • • • • • • • • • • • • • • •			
16	RM006	HPS	400	24	2,087	\$1.06 \$19.66	\$0.10 \$1.92	\$1.90 \$35.08	\$3.06 \$56.65	\$4.18 \$77.35	\$4.48 \$82.86	\$11.72	\$13.26	\$10.96	20.97%	\$281	\$318	\$266	\$52
18	3			12		\$1.64	\$0.16	\$2.92	\$4.72	\$6.45	\$6.90	\$18.07	\$15.66	\$12.94	21.01%	\$217	\$188	\$157	\$31
	RM007	HPS	1000		0	\$3.67	\$0.36	\$6.55	\$10.59	\$14.46	\$15.48	040.50	000.70	007.07	04.040/	**	••		**
20 21				0		\$3.67	\$0.36	\$6.55	\$10.59	\$14.46	\$15.48	\$40.53	\$32.76	\$27.07	21.01%	\$0	\$0	\$0	\$0
22	RM010	MV	175		2,495	\$23.50	\$2.30	\$41.94	\$67.74	\$92.49	\$99.08							4	
23 24		MV	250	32	0	\$0.73 \$0.95	\$0.07 \$0.09	\$1.31 \$1.70	\$2.12 \$2.74	\$2.89 \$3.74	\$3.10 \$2.87	\$8.10	\$5.95	\$4.92	21.01%	\$259	\$191	\$157	\$34
25	5			0		\$0.95	\$0.09	\$1.70	\$2.74	\$3.74	\$2.87	\$9.35	\$7.55	\$6.24	21.01%	\$0	\$0	\$0	\$0
26 27		MV	400	0	0	\$1.50 \$1.50	\$0.15 \$0.15	\$2.67 \$2.67	\$4.31 \$4.31	\$5.89 \$5.89	\$2.87 \$2.87	\$13.07	\$11.21	\$9.26	21.01%	\$0	\$0	\$0	\$0
28	RM013	MV	1000		0	\$3.58	\$0.35	\$6.39	\$10.32	\$14.09	\$2.87	,	·			•		•	
29 30				0		\$3.58	\$0.35	\$6.39	\$10.32	\$14.09	\$2.87	\$27.29	\$21.25	\$17.56	21.01%	\$0	\$0	\$0	\$0
31	RM014	MH	175		0	\$0.65	\$0.06	\$1.15	\$1.86	\$2.55	\$2.73								
32		мн	250	0	4,271	\$0.65 \$40.24	\$0.06 \$3.93	\$1.15 \$71.80	\$1.86 \$115.97	\$2.55 \$158.34	\$2.73 \$169.62	\$7.14	\$6.11	\$5.05	21.01%	\$0	\$0	\$0	\$0
34		WIII	250	39	4,271	\$1.03	\$0.10	\$1.84	\$2.97	\$4.06	\$4.35	\$11.38	\$7.78	\$6.43	21.01%	\$444	\$303	\$242	\$62
35		MH	400		2,087	\$19.66	\$1.92	\$35.08	\$56.65	\$77.35	\$82.86	640.07	644.44	eo 40	04.040/	\$217	\$137	\$112	¢o.∈
36)			12		\$1.64	\$0.16	\$2.92	\$4.72	\$6.45	\$6.90	\$18.07	\$11.41	\$9.43	21.01%	\$217	\$137	\$112	\$25
33		LED	60		380	\$3.58	\$0.35	\$6.38	\$10.31	\$14.08	\$15.08	***	040.75	00.00	04.040/	***	0.450	***	***
34 35		LED	73	14	307	\$0.26 \$2.90	\$0.02 \$0.28	\$0.46 \$5.17	\$0.74 \$8.35	\$1.01 \$11.40	\$1.08 \$12.21	\$2.82	\$10.75	\$8.88	21.01%	\$39	\$150	\$61	\$89
36				12		\$0.24	\$0.02	\$0.43	\$0.70	\$0.95	\$1.02	\$2.66	\$11.31	\$9.34	21.01%	\$32	\$136	\$114	\$22
37 38				220	19,703			REV REQ	\$567	\$774	\$782					\$2,048	\$2,126	\$1,663	\$463
39)							CHECK	\$535	\$730	\$782	\$2,048			Pre	sent Revenues	\$1,663	, ,	,
40 41						Differer	nce due to no k\	Wh in light units	\$32 \$32	\$44 \$44	\$0					Increase	\$463		
42								•											
43 44																			
45	5																		
46 47																			
48	3																		
49 50																			
51																			
52 53																			
54	ļ																		
55 56			t monthly c	harne evolu	ides fuel ad v	alorem, and tran	emission by oth	ers charge											
57	(2					late monthly char			rom Table 7										
58 59																			
60																			

NOTES:
(1) Current monthly charge excludes fuel, ad valorem, and transmission by others charge.
(2) Revenue Codes with no annual kWh calculate monthly charges based on kWh/Mo rating from Table 7

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 3 - RATE 19 - U30 PUBLIC LIGHTING SUMMARY RESULTS

G H I J L

0 \$0.00 1,190 \$0.00 1,672 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 50.00 50.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	\$0.66 \$0.66 \$39.92 \$1.66 \$56.11 \$2.34 \$3.62 \$5.58 \$1.3.08 \$13.08 \$17.00 \$2.43 \$3.38	\$0.96 \$0.96 \$57.81 \$2.41 \$81.24 \$3.39 \$5.24 \$5.27 \$8.07 \$18.94 \$24.61 \$3.52	(0.21) \$1.62 \$4.07 \$5.72 \$8.86 \$13.65	\$4.39 \$6.05 \$7.12 \$9.24 \$9.74	\$3.63 \$5.00 \$5.88 \$7.64 \$8.05	21.01% 21.01% 21.01% 20.94% 21.01%	\$0 \$98 \$137 \$0 \$0	\$0 \$145 \$171 \$0 \$0	\$0 \$121 \$143 \$0 \$0	
1,190 \$0.00 1,190 \$0.00 1,672 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 50.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.66 \$39.92 \$1.66 \$56.11 \$2.34 \$3.62 \$5.58 \$5.58 \$13.08 \$13.08	\$0.96 \$57.81 \$2.41 \$81.24 \$3.39 \$5.24 \$5.24 \$8.07 \$8.07 \$18.94 \$18.94	\$4.07 \$5.72 \$8.86 \$13.65	\$6.05 \$7.12 \$9.24 \$9.74	\$5.00 \$5.88 \$7.64 \$8.05	21.01% 21.01% 20.94% 21.01%	\$98 \$137 \$0 \$0	\$145 \$171 \$0	\$121 \$143 \$0	
1,190 \$0.00 1,672 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00	\$0.00 \$ \$0.00 \$	\$0.00 \$0.00	\$39.92 \$1.66 \$56.11 \$2.34 \$3.62 \$3.62 \$5.58 \$5.58 \$13.08 \$13.08	\$57.81 \$2.41 \$81.24 \$3.39 \$5.24 \$5.24 \$8.07 \$8.07 \$18.94 \$18.94	\$4.07 \$5.72 \$8.86 \$13.65	\$6.05 \$7.12 \$9.24 \$9.74	\$5.00 \$5.88 \$7.64 \$8.05	21.01% 21.01% 20.94% 21.01%	\$98 \$137 \$0 \$0	\$145 \$171 \$0	\$121 \$143 \$0	
\$0.00 1,672 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 50.00 50.00 0 \$0.00 50.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00	\$0.00 \$ \$0.00 \$	\$0.00 \$0.00 \$0.00 \$0.00	\$1.66 \$56.11 \$2.34 \$3.62 \$3.62 \$5.58 \$5.58 \$13.08 \$13.08	\$2.41 \$81.24 \$3.39 \$5.24 \$5.24 \$8.07 \$8.07 \$18.94 \$18.94	\$5.72 \$8.86 \$13.65	\$7.12 \$9.24 \$9.74	\$5.88 \$7.64 \$8.05	21.01% 20.94% 21.01%	\$137 \$0 \$0	\$171 \$0	\$143 \$0	
1,672 \$0.00	\$0.00 \$ \$0.00 \$	\$0.00 \$0.00 \$0.00 \$0.00	\$56.11 \$2.34 \$3.62 \$3.62 \$5.58 \$5.58 \$13.08 \$17.00 \$2.43	\$81.24 \$3.39 \$5.24 \$5.24 \$8.07 \$8.07 \$18.94 \$18.94	\$5.72 \$8.86 \$13.65	\$7.12 \$9.24 \$9.74	\$5.88 \$7.64 \$8.05	21.01% 20.94% 21.01%	\$137 \$0 \$0	\$171 \$0	\$143 \$0	
\$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 50.00 50.00 50.00 50.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00	\$0.00 \$ \$0.00 \$	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$2.34 \$3.62 \$3.62 \$5.58 \$13.08 \$13.08 \$17.00 \$2.43	\$3.39 \$5.24 \$5.24 \$8.07 \$8.07 \$18.94 \$18.94	\$8.86 \$13.65	\$9.24 \$9.74	\$7.64 \$8.05	20.94% 21.01%	\$0 \$0	\$0	\$0	
0 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$3.62 \$3.62 \$5.58 \$5.58 \$13.08 \$17.00 \$2.43	\$5.24 \$5.24 \$8.07 \$8.07 \$18.94 \$18.94	\$8.86 \$13.65	\$9.24 \$9.74	\$7.64 \$8.05	20.94% 21.01%	\$0 \$0	\$0	\$0	
\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$3.62 \$5.58 \$5.58 \$13.08 \$13.08 \$17.00 \$2.43	\$5.24 \$8.07 \$8.07 \$18.94 \$18.94	\$13.65	\$9.74	\$8.05	21.01%	\$0			
0 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$5.58 \$5.58 \$13.08 \$13.08 \$17.00 \$2.43	\$8.07 \$8.07 \$18.94 \$18.94 \$24.61	\$13.65	\$9.74	\$8.05	21.01%	\$0			
0 \$0.00 \$0.00 50.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$13.08 \$13.08 \$17.00 \$2.43	\$18.94 \$18.94 \$24.61						\$0	\$0	
\$0.00 507 \$0.00 \$0.00 0 \$0.00 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00	\$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$13.08 \$17.00 \$2.43	\$18.94 \$24.61	\$32.03	\$18.05	\$14.92	21.01%				
507 \$0.00 \$0.00 0 \$0.00 \$0.00 0 \$0.00 \$0.00 0 \$0.00	\$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$17.00 \$2.43	\$24.61	\$32.03	\$18.05	\$14.92	21.01%				
\$0.00 0 \$0.00 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00	\$0.00 \$ \$0.00 \$ \$0.00 \$ \$0.00 \$	\$0.00 \$0.00 \$0.00 \$0.00	\$2.43						\$0	\$0	\$0	
0 \$0.00 \$0.00 0 \$0.00 \$0.00 0 \$0.00	\$0.00 \$ \$0.00 \$ \$0.00 \$	\$0.00 \$0.00		\$3.52								
\$0.00 0 \$0.00 \$0.00 0 \$0.00	\$0.00 \$ \$0.00 \$				\$5.94	\$2.80	\$2.31	21.01%	\$42	\$20	\$15	
0 \$0.00 \$0.00 0 \$0.00	\$0.00 \$	00.00 \$0.00	\$3.38	\$3.52 \$3.52	\$6.90	\$3.49	\$2.88	21.01%	\$0	\$0	\$0	
\$0.00 0 \$0.00		\$0.00 \$0.00	\$5.33	\$3.52 \$3.52	\$6.90	\$3.49	\$2.88	21.01%	\$0	\$0	\$0	
0 \$0.00		\$0.00 \$0.00 \$0.00	\$5.33	\$3.52	\$8.84	\$4.39	\$3.63	21.01%	\$0	\$0	\$0	
	\$0.00 \$	\$0.00 \$0.00	\$12.76	\$3.52	ψ0.04	ψ+.00	ψ0.00	21.0170	ΨΟ	ΨΟ	ΨŪ	
		\$0.00 \$0.00	\$12.76	\$3.52	\$16.27	\$8.59	\$7.10	21.01%	\$0	\$0	\$0	
0 \$0.00	\$0.00 \$	0.00 \$0.00	\$2.30	\$3.34								
\$0.00		\$0.00 \$0.00 \$0.00	\$2.30	\$3.34	\$5.64	\$3.30	\$2.73	21.01%	\$0	\$0	\$0	
0 \$0.00		0.00 \$0.00	\$3.26	\$4.72	ψο.σ :	ψ0.00	Q2 O	21.0170	Q O	Ψ	Ų.	
\$0.00	\$0.00 \$	0.00 \$0.00	\$3.26	\$4.72	\$7.98	\$7.68	\$6.35	21.01%	\$0	\$0	\$0	
0 \$0.00	\$0.00 \$	0.00 \$0.00	\$5.15	\$7.45								
\$0.00	\$0.00 \$	\$0.00 \$0.00	\$5.15	\$7.45	\$12.60	\$9.74	\$8.05	21.01%	\$0	\$0	\$0	
20 \$0.00		\$0.00 \$0.00	\$0.67	\$0.98	24.05	00.54	67.00	04.040/	**	***	**	
,					\$1.05	\$9.51	\$7.86	21.01%				
3,389		HECK \$0	\$114	\$165	\$278			Pres	sent Revenues	\$285	\$285	
Difference d	due to no kWh in light			\$0					Decrease	\$60		
							ı		l Rate 19 U20	\$2,472 \$1,948		
	\$0.00 389	\$0.00 \$0.00 \$ 389 REV CF	\$0.00 \$0.00 \$0.00 \$0.00 889 REV REQ \$0 CHECK \$0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.67 \$89 REV REQ \$0 \$169 CHECK \$0 \$114 \$0 \$55	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.67 \$0.98 \$89 REV REQ \$0 \$169 \$165 CHECK \$0 \$114 \$165 \$0 \$55 \$0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.67 \$0.98 \$1.65 \$889 REV REQ \$0 \$169 \$165 CHECK \$0 \$114 \$165 \$278 \$0 \$55 \$0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.67 \$0.98 \$1.65 \$9.51 \$889 REV REQ \$0 \$169 \$165 CHECK \$0 \$114 \$165 \$278 \$0 \$55 \$0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.67 \$0.98 \$1.65 \$9.51 \$7.86 REV REQ \$0 \$169 \$165 CHECK \$0 \$114 \$165 \$278 50 \$55 \$0 Difference due to no kWh in light units \$0 \$55	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.67 \$0.98 \$1.65 \$9.51 \$7.86 21.01% REV REQ \$0 \$169 \$165 CHECK \$0 \$114 \$165 \$278 Pres Difference due to no kWh in light units \$0 \$55 Difference due to no kWh in light units \$0 \$55	\$0.00 \$0.00 \$0.00 \$0.00 \$0.67 \$0.98 \$1.65 \$9.51 \$7.86 21.01% \$2 889 REV REQ \$0 \$169 \$165 \$278 Present Revenues CHECK \$0 \$114 \$165 \$278 Present Revenues 50 \$55 \$0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.67 \$0.98 \$1.65 \$9.51 \$7.86 21.01% \$2 \$10 \$89 \$1.65 \$9.51 \$7.86 21.01% \$2 \$10 \$10 \$1.65	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.67 \$0.98 \$1.65 \$9.51 \$7.86 21.01% \$2 \$10 \$6 \$1.69 \$1.65 \$

Proposed Total Rate 19 U20	\$2,472
Current Total Rate 19 U20	\$1,948
Increase	\$524

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 4 - RATE 56 - U30 DISTRIBUTION POLE SUMMARY RESULTS

А	В	С	D E	F	G	н	I	J	K	L	М	N	0	Р	Q	R	S
Α	BILL	ING STATISTICS															
Rev Co		Watts Company Owned (*)		Lumens	кwн/мо		SCALED TOT \$ INSTALLED	NET PLANT	ANNUAL KWH	ANNUAL UNITS	BASE REVENUES	MONTHLY CHARGE (1)					
SMD37		100 *	With Pole	11,700	49.58		\$923	\$125,526	75,480	1,449	\$7,282	\$4.22					
D38		100		11,700	49.58		\$0	\$0	24,864	480	\$714	\$1.48					
D39		150 *	With Pole	17,550	69.68		\$948	\$1,423,308	1,299,120	17,820	\$138,071	\$7.53					
D40 D41		150	MGH- D-I-	17,550	69.68		\$0	\$0	11,309	155	\$327	\$2.08					
D41		250 * 250	With Pole	29,250 29,250	107.87 107.87		\$1,098 \$0	\$286,505 \$0	348,657 163,451	3,093 1,445	\$34,501 \$4,722	\$10.66 \$3.19					
D42		400 *	With Pole	46,800	166.16		\$1,108	\$35,467	68,774	404	\$5,672	\$12.58					
D44		400		46,800	166.16		\$0	\$0	428,488	2,468	\$12,604	\$4.76					
45	HPS	1000 *	With Pole	117,000	389.94		\$0	\$0	0	0	\$0	\$26.32					
Ì	HPS	1000		117,000	389.94		\$0	\$0	0	0	\$0	\$11.82					
,	MV	175 *	With Pole	8,750	72.36		\$1,027	\$1,993,689	1,749,803	23,128	\$115,880	\$4.79					
18		175	WILL FOLE	8,750	72.36		\$0	\$0	12,823	169	\$375	\$2.14					
9		250 *	With Pole	12,500	100.84		\$1,050	\$27,291	30,620	288	\$1,914	\$6.06					
50	MV	250		12,500	100.84		\$0	\$0	0	0	\$0	\$2.76					
51		400 *	With Pole	20,000	158.79		\$1,113	\$17,812	27,839	167	\$1,681	\$9.01					
52		400		20,000	158.79		\$0	\$0	9,224	55	\$299	\$4.84					
	MV MV	1000 *	With Pole	50,000	380.23		\$0	\$0	0	0	\$0	\$17.07					
	MV	1000		50,000	380.23		\$0	\$0	U	U	\$0	\$8.80					
	MH	250 *	With Pole	21,750	97.15		\$1,168	\$2,336	2,706	24	\$263	\$10.99					
	MH	250		21,750	97.15		\$0	\$0	0	0	\$0	\$3.52					
,		400 *	With Pole	34,800	153.43		\$1,222	\$2,444	3,946	23	\$305	\$12.98					
3	MH	400		34,800	153.43		\$0	\$0	0	0	\$0	\$4.48					
	LED	42*	With Pole		14.07		\$126	\$126	100	_6	\$109	\$10.71					
	LED LED	60*	With Pole		20.10		\$126	\$5,397	2,149	79	\$1,128	\$12.13					
	LED	73* 126*	With Pole With Pole		24.46 42.21		\$126 \$126	\$753 \$502	1,281 332	48 6	\$576 \$103	\$10.73 \$15.75					
	LED	189*	With Pole		63.32		\$126	\$377	875	12	\$295	\$23.63					
							7.27	****									
							TOTAL	\$3,921,532	4,261,841	51,319	\$326,820						
							CHECK TOTAL	\$3,921,532	4,261,841	51,319	\$326,820						
							Company Owned	\$3,921,532	3,611,682	46,547	\$307,780						
							Customer Owned	\$0	650,159	4,772	\$19,040						
							Total	\$3,921,532	4,261,841	51,319	\$326,820						
OTE																	
	(1) Curre	ent monthly charge exclud	les fuel, ad valorem, ar	nd transmission by o	others charge.												

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 4 - RATE 56 - U30 DISTRIBUTION POLE SUMMARY RESULTS

REVENUES REVENUES REVENUES REVENUES \$20,683 \$7,677 \$7,282 \$1,121 \$892 \$714 \$355,985 \$168,462 \$138,071		INCREASE/	EXISTING	CAPPED	COST BASED	LIGHTING	LIGHTING	TOT PTDG								
REVENUES REVENUES REVENUES REVENUES \$20,683 \$7,677 \$7,282 \$1,121 \$892 \$714 \$355,985 \$168,462 \$138,071				PROPOSED	CALCULATED	PLANT	NOE	NOE	DIST (WO LTG)	TRANS	PROD (Excl Fuel)	ANNUAL	ILTS ANNUAL	OCATED COSTS RESU Watts	ALLO	1 B
\$1,121 \$892 \$714 \$355,985 \$168,462 \$138,071		DECREASE		NTHLY CHARGES (1	MO	\$0.11897 \$0.02988	\$0.13351 \$0.00000	\$0.02154 \$0.01521	\$0.01299 \$0.00917	\$0.00076 \$0.00054	\$0.00779 \$0.00550	KWH	UNITS	Company Owned (Customer Owned	е	3 Rev Code
\$1,121 \$892 \$714 \$355,985 \$168,462 \$138,071				0.26	(0.26)											5
\$1,121 \$892 \$714 \$355,985 \$168,462 \$138,071	6 \$20.683	25.55%	\$4.22	\$5.30	\$14.27	\$8,979.82 \$6.20	\$10,077.29 \$6.95	\$1,625.83 \$1.12	\$980.48 \$0.68	\$57.36 \$0.04	\$587.99 \$0.41	75,480	1,449	100 *	HPS	6 SMD37 7
\$355,985 \$168,462 \$138,071			·			\$742.93	\$0.00	\$378.18	\$228.00	\$13.43	\$136.75	24,864		100	HPS	8 SMD38
, ,			\$1.48	\$1.86	\$2.34	\$1.55 \$154,556.27	\$0.00 \$173,445.47	\$0.79 \$27,983.04	\$0.48 \$16,875.56	\$0.03 \$987.33	\$0.28 \$10,120.14	1,299,120	480	150 *	HPS	9 10 SMD39
AE40 A405 A05-	6 \$355,985	25.55%	\$7.53	\$9.45	\$19.98	\$8.67 \$337.92	\$9.73 \$0.00	\$1.57 \$172.01	\$0.95 \$103.71	\$0.06 \$6.11	\$0.57 \$62.20	11,309	17,820	150	HPS	11 12 SMD40
\$510 \$405 \$327	6 \$510	25.55%	\$2.08	\$2.61	\$3.29	\$2.18	\$0.00	\$1.11	\$0.67	\$0.04	\$0.40		155			13
\$95,539 \$41,394 \$34,501	6 \$95,539	25.55%	\$10.66	\$13.38	\$30.89	\$41,479.77 \$13.41	\$46,549.25 \$15.05	\$7,510.08 \$2.43	\$4,529.06 \$1.46	\$264.98 \$0.09	\$2,716.04 \$0.88	348,657	3,093	250 *	HPS	14 SMD41 15
\$7,370 \$5,787 \$4,722	6 \$7.370	25.55%	\$3.19	\$4.00	\$5.10	\$4,883.91 \$3.38	\$0.00 \$0.00	\$2,486.09 \$1.72	\$1,498.84 \$1.04	\$88.26 \$0.06	\$898.98 \$0.62	163,451	1,445	250	HPS	16 SMD42 17
						\$8,182.03	\$9,182.00	\$1,481.39	\$893.37	\$52.27	\$535.75	68,774		400 *	HPS	18 SMD43
\$18,845 \$6,381 \$5,672	0 \$18,845	25.55%	\$12.58	\$15.79	\$46.65	\$20.25 \$12,803.23	\$22.73 \$0.00	\$3.67 \$6,517.31	\$2.21 \$3,929.24	\$0.13 \$231.38	\$1.33 \$2,356.69	428,488	404	400	HPS	19 20 SMD44
\$19,321 \$14,749 \$12,604	6 \$19,321	25.55%	\$4.76	\$5.98	\$7.83	\$5.19 \$46.39	\$0.00 \$52.06	\$2.64 \$8.40	\$1.59 \$5.07	\$0.09 \$0.30	\$0.95 \$3.04	0	2,468	1000 *	HPS	21 22 SMD45
\$0 \$0 \$0	6 \$0	25.55%	\$26.32	\$33.04	\$106.85	\$46.39	\$52.06	\$8.40	\$5.07	\$0.30	\$3.04	-	0			23
\$0 \$0 \$0	6 \$0	25.55%	\$11.82	\$14.84	\$17.58	\$11.65 \$11.65	\$0.00 \$0.00	\$5.93 \$5.93	\$3.58 \$3.58	\$0.21 \$0.21	\$2.14 \$2.14	0	0	1000	HPS	24 SMD46 25
						\$208,174.04	233,616.17	\$37,690.75	\$22,729.94	\$1,329.85	\$13,630.96	1,749,803		175 *	MV	26 27 SMD47
\$479,481 \$139,083 \$115,880	6 \$479,481	25.55%	\$4.79	\$6.01	\$20.73	\$9.00	\$10.10	\$1.63	\$0.98	\$0.06	\$0.59		23,128			28
\$578 \$454 \$375	6 \$578	25.55%	\$2.14	\$2.69	\$3.42	\$383.14 \$2.27	\$0.00 \$0.00	\$195.03 \$1.15	\$117.58 \$0.70	\$6.92 \$0.04	\$70.53 \$0.42	12,823	169	175	MV	29 SMD48 30
\$8,390 \$2,191 \$1,914	6 \$8.390	25.55%	\$6.06	\$7.61	\$29.13	\$3,642.84 \$12.65	\$4,088.05 \$14.19	\$659.55 \$2.29	\$397.75 \$1.38	\$23.27 \$0.08	\$238.53 \$0.83	30,620	288	250 *	MV	31 SMD49 32
\$0 \$0 \$0			\$2.76	\$3.47	\$4.55	\$3.01 \$3.01	\$0.00 \$0.00	\$1.53 \$1.53	\$0.92 \$0.92	\$0.05 \$0.05	\$0.55 \$0.55	0	0	250	MV	33 SMD50 34
						\$3,312.06	\$3,716.85	\$599.66	\$361.64	\$21.16	\$216.87	27,839		400 *	MV	35 SMD51
\$7,629 \$1,889 \$1,681	6 \$7,629	25.55%	\$9.01	\$11.31	\$45.68	\$19.83 \$275.62	\$22.26 \$0.00	\$3.59 \$140.30	\$2.17 \$84.58	\$0.13 \$4.98	\$1.30 \$50.73	9,224	167	400	MV	36 37 SMD52
\$416 \$334 \$299	6 \$416	25.55%	\$4.84	\$6.08	\$7.56	\$5.01 \$45.24	\$0.00 \$50.76	\$2.55 \$8.19	\$1.54 \$4.94	\$0.09 \$0.29	\$0.92 \$2.96	0	55	1000 *	MV	38 39 SMD53
\$0 \$0 \$0	6 \$0	25.55%	\$17.07	\$21.43	\$104.19	\$45.24	\$50.76	\$8.19	\$4.94	\$0.29	\$2.96		0			40
\$0 \$0 \$0	6 \$0	25.55%	\$8.80	\$11.05	\$17.14	\$11.36	\$0.00	\$5.78 \$5.78	\$3.49 \$3.49	\$0.21	\$2.09	U	0	1000	WV	42
						\$321.95	\$361.30	\$58.29	\$35.15	\$2.06	\$21.08	2,706		250 *	МН	43 44 SMD55
\$742 \$331 \$263	6 \$742	25.55%	\$10.99	\$13.80	\$30.90	\$13.41	\$15.05	\$2.43	\$1.46	\$0.09	\$0.88		24	260	мы	45 46 SMD56
\$0 \$0 \$0	6 \$0	25.58%	\$3.52	\$4.42	\$4.38	\$2.90	\$0.00	\$1.48	\$0.89	\$0.05	\$0.53		0			47
\$1,081 \$375 \$305	6 \$1,081	25.55%	\$12.98	\$16.30	\$47.01	\$469.43 \$20.41	\$526.80 \$22.90	\$84.99 \$3.70	\$51.26 \$2.23	\$3.00	\$1.34	3,946	23		МН	48 SMD57 49
\$0 \$0 \$0	6 \$0	25.55%	\$4.48	\$5.62	\$6.92							0	0	400	МН	
	•		*****	****	****							100	-	42*	LED	
\$27 \$81 \$109	6 \$27	25.55%	\$10.71	\$13.45	\$4.55	\$1.98	\$2.22	\$0.36	\$0.22	\$0.01	\$0.13		6			49
\$589 \$1,203 \$1,128	6 \$589	25.55%	\$12.13	\$15.23	\$7.46	\$255.71 \$3.24	\$286.96 \$3.63	\$46.30 \$0.59	\$27.92 \$0.35	\$1.63 \$0.02	\$16.74 \$0.21	2,149	79	60*	LED	48 SLD51 49
						\$152.39	\$171.01	\$27.59	\$16.64	\$0.97	\$9.98	1,281		73*	LED	48 SLD53
	• • • •					\$39.47	\$44.30	\$7.15	\$4.31	\$0.25	\$2.58	332		126*	LED	48 SLD57
\$91 \$119 \$103	6 \$91	25.55%	\$15.75	\$19.77	\$15.15	\$6.58 \$104.14	\$7.38 \$116.87	\$1.19 \$18.85	\$0.72 \$11.37	\$0.04 \$0.67	\$0.43 \$6.82	875		189*	LED	49 48 SLD63
\$240 \$356 \$295	6 \$240	25.55%	\$23.63	\$29.66	\$19.99	\$8.68	\$9.74	\$1.57	\$0.95	\$0.06	\$0.57		12			49
\$989,673 \$370,187 \$29,316 \$22,621		npany Owned														52
\$1,018,989 \$392,808 \$326,820	\$1,018,989		Cust			\$449,109	\$482,298	\$87,718	REV REQ			4,261,841	51,319			54 TOTAL
sent Revenues \$326,820 Increase \$65,988		Pres			\$1,018,989	\$449,109 \$0	\$482,196 \$103	\$87,685 \$34	CHECK							55 56
,							\$103	\$34	Wh in light units	ence due to no kV	Differe					57
\$1,018,989 \$392,808	\$1,018,989															59 NOTES
										others charge.				ent monthly charge excl costs per lamp are not		
									from Table 7	n kWh/Mo rating				nue Codes with no ann		62 (3)
\$0 \$742 \$0 \$1,081 \$0 \$27 \$589 \$351 \$91 \$240 \$989,673 \$29,316 \$1,018,989 sent Revenues Increase	6 \$416 6 \$0 6 \$742 6 \$0 6 \$1,081 6 \$27 6 \$589 6 \$351 6 \$91 6 \$240 d \$989,673 d \$1,018,989 esent Revenues Increase	25.55% 25.55% 25.55% 25.55% 25.55% 25.55% 25.55% 25.55% 25.55% 25.55% 25.55% 25.55% 25.55% 25.55% 25.55%	\$17.07 \$8.80 \$10.99 \$3.52 \$12.98 \$4.48 \$10.71 \$12.13 \$10.73 \$15.75	\$21.43 \$11.05 \$13.80 \$4.42 \$16.30 \$5.62 \$13.45 \$15.23 \$13.47	\$104.19 \$17.14 \$30.90 \$4.38 \$47.01 \$6.92 \$4.55 \$7.46 \$7.31 \$15.15	\$19.83 \$275.62 \$5.01 \$45.24 \$11.36 \$11.36 \$13.41 \$2.90 \$2.90 \$4.90 \$4.58 \$4.58 \$1.98 \$25.71 \$3.24 \$1.86 \$1.98 \$255.71 \$3.24 \$152.39 \$3.31 \$3.31 \$3.31 \$3.31 \$3.47 \$6.58 \$10.41 \$8.68	\$22.26 \$0.00 \$0.00 \$50.76 \$50.76 \$0.00 \$15.05 \$0.00 \$15.05 \$0.00 \$22.90 \$0.00 \$22.90 \$0.00 \$3.363 \$3.63 \$3.77.01 \$3.56 \$44.30 \$7.38 \$9.74	\$3.59 \$140.30 \$2.55 \$8.19 \$5.78 \$5.78 \$5.829 \$2.43 \$1.48 \$1.48 \$1.49 \$3.70 \$2.33 \$2.15 \$0.36 \$46.30 \$0.59 \$27.59 \$1.85 \$1.57	\$2.17 \$84.58 \$1.54 \$4.94 \$3.49 \$3.349 \$35.15 \$1.46 \$0.89 \$51.26 \$2.23 \$11.41 \$1.30 \$0.22 \$27.92 \$0.35 \$1.66 \$4.31 \$0.72 \$11.37 \$0.95	\$0.13 \$4.98 \$0.09 \$0.29 \$0.21 \$2.06 \$0.09 \$0.05 \$0.05 \$0.05 \$0.05 \$0.08 \$0.08 \$0.01 \$1.63 \$0.02 \$0.02 \$0.05	\$1.30 \$50.73 \$0.92 \$2.96 \$2.96 \$2.09 \$2.09 \$21.08 \$0.88 \$0.53 \$0.53 \$0.53 \$0.53 \$0.53 \$0.53 \$0.53 \$0.53 \$0.53 \$0.53 \$0.55 \$0.5	9,224 0 0 2,706 0 3,946 0 100 2,149 1,281 332 875 4,261,841	0 0 24 0 23 0 6 79 48 6 12 51,319	400 1000 * 1000 250 * 250 400 * 400 42* 60* 73* 126* 189*	MV MV MV MH MH LED	36 SMD52 38 SMD53 40 SMD54 42 43 SMD56 44 SMD56 46 SMD56 47 SMD58 51 TOTAL 55 SMD58 50 NOTES 60 (12

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 5 - RATE 56 - U30 METAL POLE SUMMARY RESULTS

ne . A	В	С	D	E	F	G	н	1	J	к	L	М	N	0	Р	Q	R	s
1 A 2 3	BILLI	NG STATISTICS Watts						SCALED TOT \$	NET	ANNUAL	ANNUAL	ANNUAL BASE	CURRENT MONTHLY					
4 Rev Co	de	Company Owned (*)			Lumens	KWH/MO		INSTALLED	PLANT	кwн	UNITS	REVENUES	CHARGE (1)					
6 SMM22		50			5,850	24.79		\$0	\$0	2,486	48	\$19	\$0.73					
7 SMM0 ⁻ 8 SMM0 ⁻		100 * 100		With Pole	11,700 11,700	49.58 49.58		\$0 \$0	\$0 \$0	0 5,548	0 107	\$0 \$161	\$19.07 \$1.48					
9 SMM03		150 *		With Pole	17,550	69.68		\$1,898	\$337,504	411,947	5,603	\$118,368	\$19.39					
0 SMM04 1 SMM05		150 250 *		With Pole	17,550 29,250	69.68 107.87		\$0 \$2,047	\$0 \$450.335	80,496 848,248	1,104 7,519	\$2,306 \$173,303	\$2.08 \$22.01					
2 SMM06		250			29,250	107.87		\$0	\$0	19,098	169	\$541	\$3.19					
3 SMM07 4 SMM08		400 * 400		With Pole	46,800 46,800	166.16 166.16		\$2,058 \$0	\$315,519 \$0	903,995 1,163,436	5,245 6,750	\$133,346 \$32,386	\$23.78 \$4.76					
5 SMM09	HPS	1000 *		With Pole	117,000	389.94		\$0	\$0	0	0	\$0	\$37.74					
6 SMM10) HPS	1000			117,000	389.94		\$0	\$0	0	0	\$0	\$11.82					
8 SMM1		175 *		With Pole	8,750	72.36		\$0	\$0	0	0	\$0	\$11.98					
9 SMM12 0 SMM13		175 250 *		With Pole	8,750 12,500	72.36 100.84		\$0 \$1,999	\$0 \$20,020	0 34,404	0 322	\$0 \$5,819	\$2.14 \$16.34					
1 SMM14	1 MV	250			12,500	100.84		\$0	\$0	0	0	\$0	\$2.76					
2 SMM15 3 SMM16		400 * 400		With Pole	20,000 20,000	158.79 158.79		\$2,063 \$0	\$4,986 \$0	12,661	75 0	\$1,577 \$0	\$18.92 \$4.84					
3 SMM18 4 SMM17		1000 *		With Pole	50,000	380.23		\$0	\$0 \$0	0	0	\$0 \$0	\$4.84 \$28.99					
5 SMM18	3 MV	1000			50,000	380.23		\$0	\$0	0	0	\$0	\$8.80					
7 SMM19	э мн	175 *		With Pole	21,750	68.68		\$1,968	\$680	1,353	12	\$249	\$19.20					
8 SMM20 9 SMM2		250 * 400 *		With Pole With Pole	20,000 8,750	97.15 153.43		\$2,063 \$0	\$4,274 \$0	12,203 0	70 0	\$1,559 \$0	\$20.55 \$21.55					
0					6,730													
1 SLM45 2 SLM50		42* 51*		With Pole		14.07 17.09		\$126	\$43 \$173	132 866	9 48	\$231	\$22.54 \$21.62					
2 SLM50 3 SLM07		71		With Pole		23.79		\$126 \$0	\$173	10,171	408	\$1,049 \$348	\$21.62					
4 SLM53	LED	73*		With Pole		24.46		\$126	\$87	548	22	\$524	\$22.56					
5 SLM55 6 SLM11		103* 108		With Pole		34.51 36.18		\$126 \$0	\$867 \$0	8,477 2,679	233 72	\$5,989 \$94	\$24.71 \$1.30					
7 SLM57	LED	126*		With Pole		42.21		\$126	\$303	640	11	\$266	\$27.58					
8 SLM15 9 SLM63		154 189*		With Pole		51.59 63.32		\$0 \$126	\$0 \$1,734	156,588 20,139	2,890 291	\$5,357 \$11,596	\$1.85 \$35.46					
0 SLM20	LED	200		WILLIAM ONE		69.01		\$0	\$0	0	0	\$0	\$2.47					
1 SLM22		268				89.78		\$0	\$0	2,263	24	\$77	\$3.22					
2 SLM67 3 SLM70		278* 309*		With Pole With Pole		93.13 103.52		\$126 \$126	\$390 \$520	10,570 15,663	108 144	\$4,250 \$6,114	\$38.84 \$41.91					
4 SLM75		319*		With Pole		106.87		\$126	\$87	2,696	24	\$1,043	\$42.90					
6																		
7 8								TOTAL	\$1,137,522	3,727,307	31,308	\$506,574						
9								CHECK TOTAL	\$1,137,522	3,727,307	31,308	\$506,574						
0 1								Company Owned	\$1,137,522	2,284,541	19.736	\$465,284						
2								Customer Owned	\$0	1,442,766	11,572	\$41,289						
3 4								Total	\$1,137,522	3,727,307	31,308	\$506,574						
5																		
6 7																		
8	-0.																	
		nt monthly charge exclud	les fuel, a	ad valorem, and t	transmission by o	thers charge.												
1					,	-												
3																		
4																		
5																		

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 5 - RATE 56 - U30 METAL POLE SUMMARY RESULTS

Α	В	С	D	E	F	G	н	1	J	K	L	м	N	0	P	Q	R	S
В	ALLO	CATED COSTS RESU			PROD	TRANS	DIST	TOT PTDG	LIGHTING	LIGHTING	COST BASED	CAPPED			CALCULATED		CURRENT	INCR/DE
tev Code	•	Watts Company Owned (* Customer Owned	ANNUAL UNITS	ANNUAL KWH	(Excl Fuel) \$0.00779 \$0.00550	\$0.00076 \$0.00054	(WO LTG) \$0.01299 \$0.00917	NOE \$0.02154 \$0.01521	NOE \$0.13351 \$0.00000	PLANT \$0.11897 \$0.02988		PROPOSED ITHLY CHARGES (1 ustment Factors 0.26	EXISTING	INCREASE/ DECREASE	ANNUAL REVENUES	ANNUAL REVENUES	ANNUAL REVENUES	REVEN
SMM22	HPS	50	48	2,486	\$13.68 \$0.28	\$1.34 \$0.03	\$22.80 \$0.48	\$37.82 \$0.79	\$0.00 \$0.00	\$74.29 \$1.55	\$2.34	\$0.92	\$0.73	25.55%	\$112	\$44	\$19	
MM01	HPS	100 *	0	0	\$0.39 \$0.39	\$0.04 \$0.04	\$0.64 \$0.64	\$1.07 \$1.07	\$6.62 \$6.62	\$5.90 \$5.90	\$13.59	\$23.94	\$19.07	25.55%	\$112	\$0	\$19	
MM02	HPS	100	107	5,548	\$30.52 \$0.29	\$3.00 \$0.03	\$50.88 \$0.48	\$84.39 \$0.79	\$0.02 \$0.00 \$0.00	\$165.78 \$1.55	\$2.34	\$1.86	\$19.07	25.55%	\$250	\$199	\$161	
8MM03	HPS	150 *		411,947	\$3,209.07	\$313.08	\$5,351.20	\$8,873.35	\$54,999.10	\$49,009.39								
SMM04	HPS	150	5,603	80,496	\$0.57 \$442.73	\$0.06 \$43.47	\$0.96 \$738.15	\$1.58 \$1,224.34	\$9.82 \$0.00	\$8.75 \$2,405.22	\$20.15	\$24.35	\$19.39	25.56%	\$112,882	\$136,414	\$118,368	\$1
SMM05	HPS	250 *	1,104	848,248	\$0.40 \$6,607.85	\$0.04 \$644.67	\$0.67 \$11,018.74	\$1.11 \$18,271.27	\$0.00 \$113,249.62	\$2.18 \$100,916.09	\$3.29	\$2.61	\$2.08	25.55%	\$3,630	\$2,883	\$2,306	
MM06	HPS	250	7,519	19,098	\$0.88 \$105.04	\$0.09 \$10.31	\$1.47 \$175.12	\$2.43 \$290.47	\$15.06 \$0.00	\$13.42 \$570.64	\$30.91	\$27.63	\$22.01	25.55%	\$232,437	\$207,769	\$173,303	\$3
SMM07	HPS	400 *	169	903,995	\$0.62 \$7,042.12	\$0.06 \$687.04	\$1.04 \$11,742.89	\$1.72 \$19,472.04	\$0.00 \$120,692.32	\$3.38 \$107,548.23	\$5.10	\$4.00	\$3.19	25.55%	\$861	\$677	\$541	
MM08	HPS	400	5,245	1.163.436	\$1.34 \$6.398.90	\$0.13 \$628.26	\$2.24 \$10.668.70	\$3.71 \$17.695.85	\$23.01 \$0.00	\$20.50 \$34.763.45	\$47.23	\$29.85	\$23.78	25.55%	\$247,713	\$156,588	\$133,346	\$2
MM09	HPS	1000 *	6,750	0	\$0.95 \$3.04	\$0.09 \$0.30	\$1.58 \$5.07	\$2.62 \$8.40	\$0.00 \$52.06	\$5.15 \$46.39	\$7.77	\$5.98	\$4.76	25.55%	\$52,459	\$40,338	\$32,386	\$
	HPS		0	0	\$3.04	\$0.30	\$5.07	\$8.40	\$52.06	\$46.39	\$106.85	\$47.38	\$37.74	25.55%	\$0	\$0	\$0	
SMM10	HPS	1000	0	0	\$2.14 \$2.14	\$0.21 \$0.21	\$3.58 \$3.58	\$5.93 \$5.93	\$0.00 \$0.00	\$11.65 \$11.65	\$17.58	\$14.84	\$11.82	25.55%	\$0	\$0	\$0	
SMM11	MV	175 *		0	\$0.56	\$0.05	\$0.94	\$1.56	\$9.66	\$8.61								
SMM12	MV	175	0	0	\$0.56 \$0.40	\$0.05 \$0.04	\$0.94 \$0.66	\$1.56 \$1.10	\$9.66 \$0.00	\$8.61 \$2.16	\$19.83	\$15.04	\$11.98	25.55%	\$0	\$0	\$0	
SMM13	MV	250 *	0	34,404	\$0.40 \$268.00	\$0.04 \$26.15	\$0.66 \$446.90	\$1.10 \$741.06	\$0.00 \$4,593.24	\$2.16 \$4,093.01	\$3.26	\$2.69	\$2.14	25.55%	\$0	\$0	\$0	
SMM14	MV	250	322	0	\$0.83 \$0.55	\$0.08 \$0.05	\$1.39 \$0.92	\$2.30 \$1.53	\$14.26 \$0.00	\$12.71 \$3.01	\$29.28	\$20.51	\$16.34	25.55%	\$9,427	\$6,606	\$5,819	
SMM15	MV	400 *	0	12,661	\$0.55 \$98.63	\$0.05 \$9.62	\$0.92 \$164.46	\$1.53 \$272.71	\$0.00 \$1,690.35	\$3.01 \$1,506.26	\$4.55	\$3.47	\$2.76	25.55%	\$0	\$0	\$0	
SMM16	MV	400	75	0	\$1.32 \$0.87	\$0.13 \$0.09	\$2.19 \$1.46	\$3.64 \$2.42	\$22.54 \$0.00	\$20.08 \$4.74	\$46.26	\$23.75	\$18.92	25.55%	\$3,469	\$1,781	\$1,577	
SMM17	MV	1000 *	0	0	\$0.87 \$2.96	\$0.09 \$0.29	\$1.46 \$4.94	\$2.42 \$8.19	\$0.00 \$50.76	\$4.74 \$45.24	\$7.16	\$6.08	\$4.84	25.55%	\$0	\$0	\$0	
	MV	1000	0	0	\$2.96 \$2.09	\$0.29 \$0.21	\$4.94 \$3.49	\$8.19 \$5.78	\$50.76 \$0.00	\$45.24 \$11.36	\$104.19	\$36.40	\$28.99	25.55%	\$0	\$0	\$0	
AVIIVI 10	141.0	1000	0	0	\$2.09	\$0.21	\$3.49	\$5.78	\$0.00	\$11.36	\$17.14	\$11.05	\$8.80	25.55%	\$0	\$0	\$0	
SMM19	МН	175 *	12	1,353	\$10.54 \$0.88	\$1.03 \$0.09	\$17.58 \$1.46	\$29.14 \$2.43	\$180.65 \$15.05	\$160.97 \$13.41	\$30.90	\$24.10	\$19.20	25.55%	\$371	\$289	\$249	
MM20	МН	250 *		12,203	\$95.06	\$9.27	\$158.51	\$262.85	\$1,629.18	\$1,451.75								
SMM21	мн	400 *	70	0	\$1.36 \$1.20	\$0.13 \$0.12	\$2.26 \$1.99	\$3.75 \$3.30	\$23.27 \$20.48	\$20.74 \$18.25	\$47.77	\$25.80	\$20.55	25.55%	\$3,344	\$1,806	\$1,559	
			0		\$1.20	\$0.12	\$1.99	\$3.30	\$20.48	\$18.25	\$42.04	\$27.05	\$21.55	25.55%	\$0	\$0	\$0	
SLM45	LED	42*	9	132	\$1.03 \$0.11	\$0.10 \$0.01	\$1.71 \$0.19	\$2.84 \$0.32	\$17.62 \$1.96	\$15.70 \$1.74	\$4.02	\$28.30	\$22.54	25.55%	\$36	\$255	\$231	
SLM50	LED	51*	48	866	\$6.75 \$0.14	\$0.66 \$0.01	\$11.25 \$0.23	\$18.65 \$0.39	\$115.63 \$2.41	\$103.03 \$2.15	\$4.94	\$27.15	\$21.62	25.55%	\$237	\$1,303	\$1,049	
SLM07	LED	71	408	10,171	\$55.94 \$0.14	\$5.49 \$0.01	\$93.27 \$0.23	\$154.71 \$0.38	\$0.00 \$0.00	\$303.92 \$0.74	\$1.12	\$1.07	\$0.85	25.54%	\$459	\$436	\$348	
SLM53	LED	73*	22	548	\$4.27 \$0.19	\$0.42 \$0.02	\$7.12 \$0.32	\$11.80 \$0.54	\$73.16 \$3.33	\$65.20 \$2.96	\$6.83	\$28.32	\$22.56	25.55%	\$150	\$623	\$524	
SLM55	LED	103*	233	8,477	\$66.04 \$0.28	\$6.44 \$0.03	\$110.12 \$0.47	\$182.60 \$0.78	\$1,131.79 \$4.86	\$1,008.54 \$4.33	\$9.97	\$31.02	\$24.71	25.55%	\$2.323	\$7.227	\$5,989	
SLM11	LED	108		2,679	\$14.74	\$1.45	\$24.57	\$40.75	\$0.00	\$80.06	•						,	
SLM57	LED	126*	72	640	\$0.20 \$4.98	\$0.02 \$0.49	\$0.34 \$8.31	\$0.57 \$13.78	\$0.00 \$85.43	\$1.11 \$76.13	\$1.68	\$1.63 \$34.63	\$1.30 \$27.58	25.54%	\$121	\$117	\$94	
SLM15	LED	154	11	156,588	\$0.45 \$861.24	\$0.04 \$84.56	\$0.76 \$1,435.92	\$1.25 \$2,381.71	\$7.77 \$0.00	\$6.92 \$4,678.86	\$15.94			25.55%	\$175	\$381	\$266	
SLM63	LED	189*	2,890	20,139	\$0.30 \$156.88	\$0.03 \$15.31	\$0.50 \$261.60	\$0.82 \$433.79	\$0.00 \$2,688.72	\$1.62 \$2,395.90	\$2.44	\$2.32	\$1.85	25.54%	\$7,061	\$6,712	\$5,357	
SLM20	LED	200	291	0	\$0.54 \$0.38	\$0.05 \$0.04	\$0.90 \$0.63	\$1.49 \$1.05	\$9.24 \$0.00	\$8.23 \$2.06	\$18.96	\$44.51	\$35.46	25.55%	\$5,518	\$12,953	\$11,596	
SLM22	LED	268	0	2.263	\$0.38 \$12.45	\$0.04 \$1.22	\$0.63 \$20.75	\$1.05 \$34.42	\$0.00 \$0.00	\$2.06 \$67.63	\$3.11	\$3.10	\$2.47	25.54%	\$0	\$0	\$0	
SLM67	LED	278*	24	10,570	\$0.52 \$82.34	\$0.05 \$8.03	\$0.86 \$137.30	\$1.43 \$227.67	\$0.00 \$1.411.14	\$2.82 \$1,257.46	\$4.25	\$4.04	\$3.22	25.55%	\$102	\$97	\$77	
SLM70	LED	309*	108	15.663	\$0.76 \$122.01	\$0.07 \$11.90	\$1.27 \$203.46	\$2.11 \$337.37	\$13.07 \$2.091.10	\$11.64 \$1.863.37	\$26.82	\$48.76	\$38.84	25.55%	\$2,896	\$5,267	\$4,250	:
SI M75	LED	319*	144	2.696	\$0.85 \$21.00	\$0.08 \$2.05	\$1.41 \$35.02	\$2.34 \$58.08	\$14.52 \$359.97	\$12.94 \$320.76	\$29.80	\$52.62	\$41.91	25.55%	\$4,292	\$7,577	\$6,114	:
LIVI/5	LED	319	24	2,090	\$0.88	\$0.09	\$35.02	\$2.42	\$359.97 \$15.00	\$13.37	\$30.78	\$53.86	\$42.90	25.55%	\$739	\$1,293	\$1,043	
														mpany Owned	\$626,010	\$548,130		
OTAL			31,308	3,727,307			REV REQ	\$71,194	\$305,149	\$314,902			Cu	stomer Owned	\$65,054 \$691,064	\$51,503 \$599,633	\$506,574	\$9
							CHECK	\$71,153 \$40	\$305,009 \$140	\$314,902 \$0	\$691,064			Pre	sent Revenues Increase	\$506,574 \$93,060		
					Differe	nce due to no kV	Vh in light units	\$40	\$140	- 0						130,000		

TES:

(1) Current monthly charge excludes fuel, ad valorem, and transmission by others charge.

(2) Plant costs per lamp are not included in Customer-Owned rates.

(3) Revenue Codes with no annual kWh calculate monthly charges based on kWh/Mo rating from Table 7

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 6 - RATE 56 - U30 WOOD POLE SUMMARY RESULTS

Line No. С D Ε G Κ L M Ν 0 Q s BILLING STATISTICS SCALED ANNUAL CURRENT NFT ANNUAL ANNUAL MONTHLY Watts TOT \$ BASE CHARGE (1) KWH/MO INSTALLED PLANT KWH UNITS REVENUES 4 Rev Code Company Owned (*) Lumens 6 SMW19 100 * With Pole 49.58 \$923 \$91,150 144,235 \$38,542 \$11.03 11,700 2,747 7 SMW20 100 11,700 \$0 \$0 \$257,533 \$1.48 HPS HPS \$948 \$605,081 1,575,797 21,599 8 SMW21 150 * With Pole 17,550 69.68 \$11.34 9 SMW22 \$2.08 150 17.550 69.68 \$0 \$0 \$0 10 SMW23 11 SMW24 HPS 250 * 250 With Pole 29.250 107.87 \$1,098 \$187,246 659,966 5,860 \$91,883 \$15.18 \$3.19 HPS 29,250 107.87 \$0 \$0 \$0 12 SMW25 400 * With Pole 46,800 166.16 \$1,108 \$16,839 83,303 481 \$8,790 \$16.96 13 SMW26 HPS 14 SMW27 HPS 15 SMW28 HPS 400 46,800 166.16 \$0 \$0 7,024 40 \$244 With Pole \$0 1000 * 117,000 389 94 \$0 \$0 \$30.99 1000 \$0 117.000 389.94 \$0 \$0 0 0 \$11.82 16 17 SMW29 MV 175 * With Pole 8,750 72.36 \$1,027 \$512,235 1,284,974 16,975 \$151,669 \$8.39 18 SMW30 MV 175 8,750 72.36 \$0 \$2.14 19 SMW31 MV 20 SMW32 MV 21 SMW33 MV 22 SMW34 MV 23 SMW35 MV \$7,611 \$3,557 250 * With Pole 12,500 100.84 \$1,050 26,983 258 \$12.96 250 12.500 100.84 \$0 \$0 0 \$0 \$2.76 With Pole \$8.698 42.998 261 \$4.056 400 * 20 000 158 79 \$1.050 \$14.32 400 158.79 \$4.84 20.000 \$0 \$0 \$0 \$0 0 1000 * With Pole 50,000 380.23 \$0 \$0 \$20.43 24 SMW36 MV 25 26 SMW37 MH 27 SMW38 MH 28 28 21 M45 LEB 1000 50,000 380.23 \$0 \$0 \$8.80 250 * With Pole 21,750 97.15 \$0 \$0 5 92 \$76 \$1,687 \$15.51 153.43 400 * \$1,050 \$3,262 \$17.36 With Pole 20.000 15.802 42* 51* 60* 73* 126* 29 SLW45 30 SLW50 31 SLW51 With Pole 14.07 \$14.50 LED 21,750 \$126 \$182 LED With Pole 20,000 17.09 \$126 \$347 1,143 64 \$887 \$13.58 109 117 19 LED With Pole 21,750 20.10 \$126 \$2,731 2,966 \$2,589 \$15.31 \$126 \$126 32 SLW53
33 SLW67
34 SLW15
35 SLW63
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60 20,000 \$520 \$173 \$1,857 \$14.52 \$19.54 LED With Pole 24.46 3,010 42.21 LED With Pole 919 \$434 154 156 \$289 LED 21,750 51.59 \$0 \$0 8,457 \$1.85 189* With Pole 20,000 63.32 \$126 \$43 228 1,449 \$110 \$27.42 TOTAL \$1,435,979 3,858,442 50,237 50,237 \$564.385 CHECK TOTAL \$1,435,979 3,858,442 \$564,385 Company Owned \$1,435,979 3,842,961 50,041 \$563,852 Customer Owned \$0 15,481 196 \$532 \$1,435,979 50,237 \$564,385 Total 3,858,442

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⁽¹⁾ Current monthly charge excludes fuel, ad valorem, and transmission by others charge.

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 6 - RATE 56 - U30 WOOD POLE SUMMARY RESULTS

Line																			
No.	Α	В	С	D	E	F	G	н	ı	J	K	L	М	N	0	P	Q	R	S
1 2 3			CATED COSTS RESULT Watts Company Owned (*)	S ANNUAL UNITS	ANNUAL KWH	PROD (Excl Fuel) \$0.00779	TRANS \$0.00076	DIST (WO LTG) \$0.01299	TOT PTDG NOE \$0.02154	LIGHTING NOE \$0.13351	LIGHTING PLANT \$0.11897		CAPPED PROPOSED ITHLY CHARGES (EXISTING 1)	INCREASE/		ANNUAL	CURRENT ANNUAL REVENUES	INCR/DECR ANNUAL REVENUES
4			Customer Owned			\$0.00550	\$0.00054	\$0.00917	\$0.01521	\$0.00000	\$0.02988	Cap Adj (0.26)	ustment Factors 0.26						
6	SMW19	HPS	100 *		144,235	\$1,123.59	\$109.62	\$1,873.61	\$3,106.82	\$19,256.83	\$17,159.65								
8	SMW20	HPS	100	2,747	0	\$0.41 \$0.27	\$0.04 \$0.03	\$0.68 \$0.45	\$1.13 \$0.75	\$7.01 \$0.00	\$6.25 \$1.48	\$14.39	\$13.85	\$11.03	25.55%	\$39,523	\$38,039	\$38,542	(\$503)
9			450 \$	0	4 575 707	\$0.27	\$0.03	\$0.45	\$0.75	\$0.00	\$1.48	\$2.24	\$1.86	\$1.48	25.55%	\$0	\$0	\$0	\$0
10	SMW21	HPS	150 *	21,599	1,575,797	\$12,275.46 \$0.57	\$1,197.61 \$0.06	\$20,469.60 \$0.95	\$33,942.66 \$1.57	\$210,384.63 \$9.74	\$187,472.54 \$8.68	\$19.99	\$14.24	\$11.34	25.55%	\$431,800	\$307,501	\$257,533	\$49,968
12 13	SMW22	HPS	150	0	0	\$0.38 \$0.38	\$0.04 \$0.04	\$0.64 \$0.64	\$1.06 \$1.06	\$0.00 \$0.00	\$2.08 \$2.08	\$3.14	\$2.61	\$2.08	25.55%	\$0	\$0	\$0	\$0
	SMW23	HPS	250 *	U	659,966	\$5,141.14	\$501.57	\$8,572.96	\$14,215.67	\$88,112.08	\$78,516.17					Φυ	φU	φυ	
15 16	SMW24	HPS	250	5,860	0	\$0.88 \$0.59	\$0.09 \$0.06	\$1.46 \$0.99	\$2.43 \$1.64	\$15.04 \$0.00	\$13.40 \$3.22	\$30.86	\$19.06	\$15.18	25.55%	\$180,844	\$111,678	\$91,883	\$19,796
17				0		\$0.59	\$0.06	\$0.99	\$1.64	\$0.00	\$3.22	\$4.86	\$4.00	\$3.19	25.55%	\$0	\$0	\$0	\$0
18 19	SMW25	HPS	400 *	481	83,303	\$648.93 \$1.35	\$63.31 \$0.13	\$1,082.10 \$2.25	\$1,794.34 \$3.73	\$11,121.76 \$23.12	\$9,910.54 \$20.60	\$47.46	\$21.29	\$16.96	25.55%	\$22,827	\$10,242	\$8,790	\$1,452
20	SMW26	HPS	400		7,024	\$38.63	\$3.79	\$64.41	\$106.83	\$0.00	\$209.87								
21 22		HPS	1000 *	40	0	\$0.97 \$3.04	\$0.09 \$0.30	\$1.61 \$5.07	\$2.67 \$8.40	\$0.00 \$52.06	\$5.25 \$46.39	\$7.92	\$5.98	\$4.76	25.55%	\$317	\$239	\$244	(\$4)
23				0		\$3.04	\$0.30	\$5.07	\$8.40	\$52.06	\$46.39	\$106.85	\$38.91	\$30.99	25.55%	\$0	\$0	\$0	\$0
24 25		HPS	1000	0	0	\$2.14 \$2.14	\$0.21 \$0.21	\$3.58 \$3.58	\$5.93 \$5.93	\$0.00 \$0.00	\$11.65 \$11.65	\$17.58	\$14.84	\$11.82	25.55%	\$0	\$0	\$0	\$0
26		NA) /	175 *		4 004 074	£40,000,0E	#070 F0	640 004 04	607.070.04	474 550 05	6450.070.00								
27 28		MV	1/5 "	16,975	1,284,974	\$10,009.95 \$0.59	\$976.58 \$0.06	\$16,691.81 \$0.98	\$27,678.34 \$1.63	171,556.85 \$10.11	\$152,873.33 \$9.01	\$20.74	\$10.53	\$8.39	25.55%	\$352,109	\$178,802	\$151,669	\$27,133
29 30		MV	175	0	0	\$0.40 \$0.40	\$0.04 \$0.04	\$0.66 \$0.66	\$1.10 \$1.10	\$0.00 \$0.00	\$2.16 \$2.16	\$3.26	\$2.69	\$2.14	25.55%	\$0	\$0	\$0	\$0
31	SMW31	MV	250 *		26,983	\$210.19	\$20.51	\$350.50	\$581.21	\$3,602.45	\$3,210.12								
32 33		MV	250	258	0	\$0.81 \$0.55	\$0.08 \$0.05	\$1.36 \$0.92	\$2.25 \$1.53	\$13.96 \$0.00	\$12.44 \$3.01	\$28.66	\$16.27	\$12.96	25.55%	\$7,394	\$4,198	\$3,557	\$641
34				0	-	\$0.55	\$0.05	\$0.92	\$1.53	\$0.00	\$3.01	\$4.55	\$3.47	\$2.76	25.55%	\$0	\$0	\$0	\$0
35 36		MV	400 *	261	42,998	\$334.96 \$1.28	\$32.68 \$0.13	\$558.55 \$2.14	\$926.19 \$3.55	\$5,740.72 \$22.00	\$5,115.53 \$19.60	\$45.14	\$17.98	\$14.32	25.55%	\$11,782	\$4,692	\$4,056	\$636
37	SMW34	MV	400		0	\$0.87	\$0.09	\$1.46	\$2.42	\$0.00	\$4.74	, ,							
38 39		MV	1000 *	0	0	\$0.87 \$2.96	\$0.09 \$0.29	\$1.46 \$4.94	\$2.42 \$8.19	\$0.00 \$50.76	\$4.74 \$45.24	\$7.16	\$6.08	\$4.84	25.55%	\$0	\$0	\$0	\$0
40				0		\$2.96	\$0.29	\$4.94	\$8.19	\$0.00	\$0.00	\$8.19	\$25.65	\$20.43	25.55%	\$0	\$0	\$0	\$0
41 42		MV	1000	0	0	\$2.09 \$2.09	\$0.21 \$0.21	\$3.49 \$3.49	\$5.78 \$5.78	\$0.00 \$0.00	\$11.36 \$11.36	\$17.14	\$11.05	\$8.80	25.55%	\$0	\$0	\$0	\$0
43 44		MLI	250 *		558	\$4.35	\$0.42	\$7.25	\$12.01	\$74.47	\$66.36								
45				5		\$0.87	\$0.08	\$1.45	\$2.40	\$14.89	\$13.27	\$30.57	\$19.47	\$15.51	25.55%	\$153	\$97	\$76	\$21
46 47		MH	400 *	92	15,802	\$123.10 \$1.34	\$12.01 \$0.13	\$205.27 \$2.23	\$340.38 \$3.70	\$2,109.73 \$22.93	\$1,879.97 \$20.43	\$47.07	\$21.79	\$17.36	25.55%	\$4,330	\$2,005	\$1,687	\$318
48				02								Ψ47.07	Ψ21.73	\$17.50	20.0070	φ+,000	Ψ2,000	ψ1,007	φοιο
49 50	SLW45	LED	42*	5	80	\$0.62 \$0.12	\$0.06 \$0.01	\$1.04 \$0.21	\$1.72 \$0.34	\$10.68 \$2.14	\$9.52 \$1.90	\$4.39	\$18.20	\$14.50	25.55%	\$22	\$91	\$182	(\$91)
51	SLW50	LED	51*		1,143	\$8.90	\$0.87	\$14.85	\$24.62	\$152.59	\$135.98								
52 53		LED	60*	64	2,966	\$0.14 \$23.10	\$0.01 \$2.25	\$0.23 \$38.52	\$0.38 \$63.88	\$2.38 \$395.94	\$2.12 \$352.82	\$4.89	\$17.05	\$13.58	25.55%	\$313	\$1,091	\$887	\$204
54				109		\$0.21	\$0.02	\$0.35	\$0.59	\$3.63	\$3.24	\$7.46	\$19.22	\$15.31	25.55%	\$813	\$2,095	\$2,589	(\$494)
55 56	SLW53	LED	73*	117	3,010	\$23.45 \$0.20	\$2.29 \$0.02	\$39.10 \$0.33	\$64.83 \$0.55	\$401.85 \$3.43	\$358.08 \$3.06	\$7.05	\$18.23	\$14.52	25.55%	\$825	\$2,133	\$1,857	\$276
	SLW57	LED	126*	40	919	\$7.16	\$0.70	\$11.94	\$19.80	\$122.70	\$109.34	***	204.50	040.54	05 550/	*****		2404	***
58 59		LED	154	19	8,457	\$0.38 \$46.51	\$0.04 \$4.57	\$0.63 \$77.55	\$1.04 \$128.63	\$6.46 \$0.00	\$5.75 \$252.70	\$13.25	\$24.53	\$19.54	25.55%	\$252	\$466	\$434	\$32
60 61		LED	189*	156	228	\$0.30	\$0.03 \$0.17	\$0.50 \$2.97	\$0.82	\$0.00 \$30.50	\$1.62 \$27.17	\$2.44	\$2.32	\$1.85	25.54%	\$381	\$362	\$289	\$74
62		LED	189"	1,449	228	\$1.78 \$0.00	\$0.17	\$2.97 \$0.00	\$4.92 \$0.00	\$30.50 \$0.02	\$27.17 \$0.02	\$0.04	\$34.42	\$27.42	25.55%	\$63	\$49,872	\$110	\$49,762
63 64														Com	pany Owned	\$1,053,048	\$713,003		
65															omer Owned	\$698	\$601		
66 67	TOTAL			50,237	3,858,442			REV REQ CHECK	\$83,050 \$83,013	\$513,177 \$513,074	\$457,660 \$457,660	\$1,053,746			Pro	\$1,053,746 sent Revenues	\$713,605 \$564,385	\$564,385	\$149,220
68									\$37	\$103	\$0	ψ1,000,140			716	Increase	\$149,220		
69 70						Differen	ce due to no kV	Vh in light units	\$37	\$103						\$1,053,746	\$713,605		
71																+ 1,000,1 40	ψ0,000		

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11 NOTES:
22 (1) Current monthly charge excludes fuel, ad valorem, and transmission by others charge.
23 (2) Plant costs per lamp are not included in Customer-Owned rates.
24 (3) Revenue Codes with no annual kWh calculate monthly charges based on kWh/Mo rating from Table 7

Line									TABLE	7 - COST CALC	UATION DETAI	LS SUPPORT	ING TABLES 1-	5					
No.	Α	В	С	D	E	F	G	н	I	J	К	L	M	N	0	Р	Q	R	s
1 2	RATE 1	9 - REDDY	GUARD											SCALED TO	SCALED			ANNUAL	CURRENT
3 4 5 6 7 8 9 10	Rev Coo RR001 RR002 RR003	le	-Guard - R Watts 35 50 100 150 250 400 1000	esidential	Unmetered	Lumens 4,095 5,850 11,700 17,550 29,250 46,800 117,000	KWH/MO 14.07 19.77 49.58 69.68 107.87 166.16 389.94	# UNITS YR END 0 2 130 352 44 15	BRACKET \$ \$76 \$76 \$76 \$76 \$76 \$76 \$115	FIXTURE \$ \$70 \$107 \$213 \$245 \$427 \$438 \$587	TOTAL \$ INSTALLED \$0 \$183 \$290 \$321 \$503 \$514 \$0	NET PLANT \$0 \$76 \$7,856 \$23,580 \$4,614 \$1,608 \$0	ESTIMATED PLT COSTS \$0 \$366 \$37,685 \$113,114 \$22,135 \$7,714 \$0	GROSS PLT COSTS \$0 \$204 \$20,982 \$62,980 \$12,324 \$4,295	TOT \$ INSTALLED \$0 \$102 \$161 \$179 \$280 \$286 \$0	ANNUAL KWH 554 104,185 411,324 66,751 32,164	ANNUAL UNITS 27 2,063 5,796 605 188	\$113 \$15,293 \$44,812 \$6,716 \$2,437	CURRENT MONTHLY CHARGE (1) \$4.00 \$4.15 \$7.43 \$7.75 \$10.96 \$12.94 \$27.07
13 14 15	RR010 RR011 RR012 RR013	MV MV MV	175 250 400 1000			8,750 12,500 20,000 50,000	72.36 100.84 158.79 380.23	642 14 0 0	\$76 \$76 \$76 \$115	\$344 \$374 \$454 \$645	\$421 \$451 \$0 \$0	\$56,328 \$1,315 \$0 \$0	\$270,208 \$6,309 \$0 \$0	\$150,447 \$3,513 \$0 \$0	\$234 \$251 \$0 \$0	800,865 19,767	10,865 191	\$53,170 \$1,220	\$4.92 \$6.24 \$9.26 \$17.56
	RR014 RR015 RR016	MH MH	175 250 400 ny Owned			15,225 21,750 34,800	68.68 97.15 153.43	0 4 3	\$76 \$76 \$115	\$479 \$579 \$1,384	\$0 \$655 \$1,499	\$0 \$546 \$937	\$0 \$2,621 \$4,497	\$0 \$1,459 \$2,504	\$0 \$365 \$835	5,313 7,830	48 46	\$306 \$431	\$5.05 \$6.43 \$9.43
22 23 24 25 26 27 28	RR035 RR060	LED LED LED LED LED	60 66 73 126 189				20.10 22.11 24.46 42.21 63.32	686 1 6 5 4 1,206 1,206	\$153 \$153 \$153 \$153 \$153 Total Unmetered	\$250 \$250 \$250 \$339 \$479	\$403 \$403 \$403 \$492 \$632	\$57,637 \$84 \$504 \$513 \$527 \$156,126 \$156,126	\$276,487 \$403 \$2,418 \$2,461 \$2,526 \$748,945	\$153,943 \$224 \$1,346 \$1,370 \$1,407 \$416,999	\$224 \$224 \$224 \$274 \$352	29,897 28 1,158 416 330 1,480,583	1,201 1 46 8 4 21,089	\$7,488 \$17 \$455 \$71 \$35	\$8.88 \$9.77 \$9.34 \$13.61 \$20.41
29 30 31 32 33 34 35 36		Mercury \ Other	√apor											RATIO	0.56	820,632 659,951	11,056 10,033	\$54,390 \$78,173	
37 38 39 40 41 42 43 44 45 46 47	Rev Coo	le	-Guard - R Watts 35 50 100 150 250 400 1000	esidential	Metered	Lumens 4,095 5,850 11,700 17,550 29,250 46,800 117,000	KWH/MO 14.07 19.77 49.58 69.68 107.87 166.16 389.94	# UNITS YR END 0 5 44 263 6 11 0	BRACKET \$	FIXTURE \$ \$70 \$107 \$213 \$245 \$427 \$438 \$587	TOTAL \$ INSTALLED \$0 \$183 \$290 \$321 \$503 \$514 \$0	NET PLANT \$0 \$191 \$2,659 \$17,618 \$629 \$1,179 \$0	ESTIMATED PLT COSTS \$0 \$916 \$12,755 \$84,514 \$3,018 \$5,657 \$0	SCALED TO GROSS PLT COSTS \$0 \$510 \$7,102 \$47,056 \$1,681 \$3,150	SCALED TOT \$ INSTALLED 0 \$102 \$161 \$179 \$280 \$286 \$0	ESTIMATED ANNUAL KWH 1,186 27,616 225,275 8,630 21,933	ANNUAL UNITS 60 557 3,233 80 132	ANNUAL BASE REVENUES \$219 \$2,811 \$19,203 \$616 \$1,072	CURRENT MONTHLY CHARGE (1) \$3.63 \$5.00 \$5.88 \$7.64 \$8.05 \$14.92
50 51	RR110 RR111 RR112 RR113	MV MV MV	175 250 400 1000			8,750 12,500 20,000 50,000	72.36 100.84 158.79 380.23	556 3 0 0	\$76 \$76 \$76 \$115	\$344 \$374 \$454 \$645	\$421 \$451 \$0 \$0	\$48,782 \$282 \$0 \$0	\$234,012 \$1,352 \$0 \$0	\$130,293 \$753 \$0 \$0	\$234 \$251 \$0 \$0	494,002 3,630	6,827 36	\$15,933 \$105	\$2.31 \$2.88 \$3.63 \$7.10
54 55	RR114 RR115 RR116	MH MH	175 250 400 ny Owned			15,225 21,750 34,800	68.68 97.15 153.43	0 2 0	\$76 \$76 \$115	\$479 \$579 \$1,384	\$0 \$655 \$0	\$0 \$273 \$0	\$0 \$1,311 \$0	\$0 \$730 \$0	\$0 \$365 \$0	2,332	24	\$158	\$2.73 \$6.35 \$8.05
58 59 60	RR160	LED LED LED LED	55 60 126 189				18.54 20.10 42.21 63.32	2 38 1 1 932 932	\$153 \$153 \$153 \$153 Total Metered	\$248 \$250 \$339 \$479	\$401 \$403 \$492 \$632	\$167 \$3,193 \$103 \$132 \$75,208 \$75,208	\$802 \$15,316 \$492 \$632 \$360,776	\$447 \$8,527 \$274 \$352 \$200,873 \$200,873 RATIO	\$223 \$224 \$274 \$352	241 1,246 42 63 786,196	13 62 1 1 1	\$99 \$356 \$11 \$10 \$40,593	\$7.21 \$7.86 \$11.47 \$17.20
65 66 67 68 69		Mercury \ Other	√apor											Tottio	0.00	497,632 288,564	6,863 4,163	\$16,038 \$24,555	
70 71 72 73 74 75 76 77 78 79 80 81 82																		\$173,156 \$173,156	check

Line									IABLE	7 - COST CALC	CUATION DETAI	ILS SUPPORT	ING TABLES 1-	ь					
No.	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	P	Q	R	s
84 85 86 87	Rev Co RC001 RC002	de HPS HPS	y-Guard - Co Watts 35 50	ommercial (Unmetered	Lumens 4,095 5,850	KWH/MO 14.07 19.77	# UNITS YR END 0 1	BRACKET \$ \$76 \$76	FIXTURE \$ \$70 \$107	TOTAL \$ INSTALLED \$0 \$183	NET PLANT \$0 \$38	ESTIMATED PLT COSTS \$0 \$183	SCALED TO GROSS PLT COSTS \$0 \$102	SCALED TOT \$ INSTALLED \$0 \$102	ANNUAL KWH 0 168	ANNUAL UNITS 0 9	ANNUAL BASE REVENUES \$0 \$38	CURRENT MONTHLY CHARGE (1) \$4.00 \$4.15
89 90 91	RC003 RC004 RC005 RC006 RC007	HPS HPS	100 150 250 400 1000			11,700 17,550 29,250 46,800 117,000	49.58 69.68 107.87 166.16 389.94	108 466 451 346 7	\$76 \$76 \$76 \$76 \$115	\$213 \$245 \$427 \$438 \$587	\$290 \$321 \$503 \$514 \$702	\$6,526 \$31,217 \$47,296 \$37,093 \$1,024	\$31,308 \$149,748 \$226,881 \$177,936 \$4,912	\$17,432 \$83,377 \$126,323 \$99,072 \$2,735	\$161 \$179 \$280 \$286 \$391	76,513 490,128 623,563 783,524 32,427	1,568 7,158 5,854 4,827 84	\$11,710 \$56,008 \$65,140 \$63,677 \$2,318	\$7.43 \$7.75 \$10.96 \$12.94 \$27.07
94 95	RC010 RC011 RC012 RC013	MV	175 250 400 1000			8,750 12,500 20,000 50,000	72.36 100.84 158.79 380.23	683 35 11 0	\$76 \$76 \$76 \$115	\$344 \$374 \$454 \$645	\$421 \$451 \$530 \$0	\$59,925 \$3,288 \$1,216 \$0	\$287,464 \$15,772 \$5,833 \$0	\$160,055 \$8,782 \$3,248 \$0	\$234 \$251 \$295 \$0	738,513 49,067 22,730	10,383 493 145	\$51,623 \$3,085 \$1,365	\$4.92 \$6.24 \$9.26 \$17.56
99 100 101	RC014 RC015 RC016 RC017	MH MH	175 250 400 1000 any Owned			15,225 21,750 34,800 87,000	68.68 97.15 153.43 380.23	0 71 187 27	\$76 \$76 \$76 \$115	\$479 \$512 \$579 \$1,384	\$0 \$588 \$655 \$1,499	\$0 \$8,704 \$25,543 \$8,436	\$0 \$41,756 \$122,532 \$40,469	\$0 \$23,249 \$68,224 \$22,533	\$0 \$327 \$365 \$835	92,001 425,990 174,998	861 2,584 469	\$5,531 \$24,254 \$8,434	\$5.05 \$6.43 \$9.43 \$17.59
104 105 106 107 108 109 110	RC026 RC030 RC035 RC060 RC070 RC080	LED LED LED	60 66 73 126 189 319				20.10 22.11 24.46 42.21 63.32 106.87	516 1 3 62 122 8 3,105 3,105	\$153 \$153 \$153 \$153 \$153 \$153 Total Unmetered	\$250 \$250 \$250 \$359 \$479 \$942	\$403 \$403 \$403 \$492 \$632 \$1,095	\$43,354 \$84 \$252 \$6,362 \$16,064 \$1,826 \$298,249 \$298,249	\$207,970 \$403 \$1,209 \$30,521 \$77,058 \$8,758	\$115,794 \$224 \$673 \$16,993 \$42,904 \$4,876 \$796,594	\$224 \$224 \$224 \$274 \$352 \$610	20,926 211 397 5,150 17,756 6,295	839 10 15 103 239 57	\$5,249 \$101 \$157 \$1,084 \$3,937 \$1,688 \$305,399	\$8.88 \$9.77 \$9.34 \$13.61 \$20.41 \$29.35
112 113 114 115 116 117 118 119		Mercury Other	Vapor											RATIO	0.56	810,310 2,750,045	11,021 24,677	\$56,074 \$249,325	
126 127 128 129 130 131 132	Rev Co	de HPS HPS HPS HPS HPS	y-Guard - Co Watts 35 50 100 150 250 400 1000	ommercial I	Metered	Lumens 4,095 5,850 11,700 17,550 29,250 46,800 117,000	KWH/MO 14.07 19.77 49.58 69.68 107.87 166.16 389.94	# UNITS YR END 0 18 51 201 252 243 6	BRACKET \$ \$76 \$76 \$76 \$76 \$76 \$76 \$76 \$115	FIXTURE \$ \$70 \$107 \$213 \$245 \$427 \$438 \$587	TOTAL \$ INSTALLED \$0 \$183 \$290 \$321 \$503 \$514 \$702	NET PLANT \$0 \$687 \$3,082 \$13,465 \$26,427 \$26,051 \$878	ESTIMATED PLT COSTS \$3,297 \$14,784 \$64,591 \$126,771 \$124,967 \$4,210	SCALED TO GROSS PLT COSTS \$1,836 \$8,232 \$35,963 \$70,584 \$69,579 \$2,344	SCALED TOT \$ INSTALLED \$102 \$161 \$179 \$280 \$286 \$391	ESTIMATED ANNUAL KWH 0 4,269 32,326 168,347 350,685 487,513 28,076	ANNUAL UNITS 0 216 652 2,416 3,251 2,934 72	ANNUAL BASE REVENUES \$0 \$795 \$3,291 \$14,389 \$25,131 \$23,834 \$1,087	CURRENT MONTHLY CHARGE (1) \$3.63 \$3.63 \$5.00 \$5.88 \$7.64 \$8.05 \$14.92
135 136	RC110 RC111 RC112 RC113	MV MV	175 250 400 1000			8,750 12,500 20,000 50,000	72.36 100.84 158.79 380.23	51 201 252 243	\$76 \$76 \$76 \$115	\$344 \$374 \$454 \$645	\$421 \$451 \$530 \$760	\$4,475 \$18,882 \$27,855 \$38,491	\$21,465 \$90,576 \$133,622 \$184,642	\$11,951 \$50,431 \$74,398 \$102,805	\$234 \$251 \$295 \$423	295,012 34,687 14,767 4,563	4,077 344 93 12	\$9,518 \$1,004 \$342 \$86	\$2.31 \$2.88 \$3.63 \$7.10
139 140 141	RC114 RC115 RC116 RC117	MH MH MH	175 250 400 1000 any Owned			15,225 21,750 34,800 87,000	68.68 97.15 153.43 22.11	0 37 85 5	\$76 \$76 \$76 \$153	\$479 \$512 \$579 \$250	\$0 \$588 \$655 \$403	\$0 \$4,536 \$11,611 \$420	\$0 \$21,760 \$55,696 \$2,015	\$0 \$12,116 \$31,011 \$1,122	\$0 \$327 \$365 \$224	46,243 153,890 1,327	476 1,003 60	\$3,048 \$8,154 \$905	\$2.73 \$6.35 \$8.05 \$17.56
144 145 146	RC126 RC130 RC160 RC170	LED LED LED	60 66 126 189				20.10 22.11 42.21 63.32	13 2 5 3 1,668	\$153 \$153 \$153 \$153	\$250 \$339 \$479 \$942	\$403 \$492 \$632 \$1,095	\$1,092 \$205 \$658 \$685 \$179,499	\$5,240 \$985 \$3,158 \$3,284	\$2,917 \$548 \$1,758 \$1,829 \$479,424	\$224 \$274 \$352 \$610	442 531 253 380	22 24 6 6	\$147 \$210 \$41 \$75	\$7.86 \$8.65 \$11.47 \$17.20
149 150									Metered			\$179,499	\$861,064	\$479,424 RATIO	0.56	1,623,312	15,664	\$92,057	
151 152 153 154 155		Mercury Other	Vapor													349,029 1,274,283	4,526 11,138	\$10,950 \$81,106	
156 157 158 159 160 161 162 163 164 141																		\$397,456 \$397,456	check

								1	TABLE '	7 - COST CALC	UATION DETAI	LS SUPPORT	ING TABLES 1-6	i					
Α	В	С	D	E	F	G	Н	ı		J	K	L	М	N	0	P	Q	R	s
Rev Coo RM001 RM002 RM003 RM004 RM005 RM006	HPS HPS HPS HPS HPS HPS	Watts 35 50 100 150 250 400 1000	Unmetered		Lumens 4,095 5,850 11,700 17,550 29,250 46,800 117,000	KWH/MO 14.07 19.77 49.58 69.68 107.87 166.16 389.94	# UNITS YR END	0 0 0 4 2	\$76 \$76 \$76 \$115 \$115 \$115	\$77 \$116 \$233 \$264 \$446 \$459 \$912	TOTAL \$ INSTALLED \$0 \$0 \$0 \$378 \$560 \$573 \$0	NET PLANT \$0 \$0 \$0 \$316 \$234 \$120 \$0	ESTIMATED PLT COSTS \$0 \$0 \$0 \$1,514 \$1,121 \$573 \$0	SCALED TO GROSS PLT COSTS \$0 \$0 \$0 \$843 \$624 \$319 \$0	SCALED TOT \$ INSTALLED \$0 \$0 \$211 \$312 \$319 \$0	ANNUAL KWH 0 0 0 5,370 2,706 2,087 0	ANNUAL UNITS 0 0 0 75 24 12 0	ANNUAL BASE REVENUES \$0 \$0 \$555 \$266 \$157 \$0	CURRENT MONTHLY CHARGE (1) \$4.00 \$4.15 \$7.43 \$7.75 \$10.96 \$12.94 \$27.07
RM010 RM011 RM012 RM013	MV	175 250 400 1000			8,750 12,500 20,000 50,000	72.36 100.84 158.79 380.23		3 0 0	\$115 \$115 \$115 \$115	\$359 \$387 \$465 \$678	\$474 \$0 \$0 \$0	\$296 \$0 \$0 \$0	\$1,422 \$0 \$0 \$0	\$792 \$0 \$0 \$0	\$264 \$0 \$0 \$0	2,495 0 0 0	32 0 0 0	\$157 \$0 \$0 \$0	\$4.92 \$6.24 \$9.26 \$17.56
RM014 RM015 RM016	MH MH	175 250 400			15,225 21,750 34,800	68.68 97.15 153.43		0 4 1	\$76 \$115 \$115	\$479 \$597 \$1,429	\$0 \$712 \$1,544	\$0 \$594 \$322	\$0 \$2,847 \$1,544	\$0 \$1,585 \$859	\$0 \$396 \$859	0 4,271 2,087	0 39 12	\$0 \$242 \$112	\$5.05 \$6.43 \$9.43
RM026 RM035	LED	60 73				20.10 24.46		3 1 15 Total 15 Unmet	\$153 \$153 ered	\$250 \$250	\$403 \$403	\$252 \$84 \$2,217 \$2,217	\$1,209 \$403 \$10,633	\$673 \$224 \$5,920 \$5,920 RATIO	\$224 \$224	380 307 19,703	14 12 220	\$61 \$114 \$1,663	\$8.88 \$9.34
	Mercury Other	Vapor														2,495 17,208	32 188	\$157 \$1,506	
Rev Coo RM100 RM101 RM102 RM103 RM104 RM105 RM106 RM110 RM111	HPS HPS HPS HPS HPS HPS HPS MV	Watts 35 50 100 150 400 1000 175 250 250	Metered		Lumens 4,095 5,850 11,700 17,550 29,250 46,800 117,000 8,750 12,500	KWH/MO 14.07 19.77 49.58 69.68 107.87 166.16 389.94 72.36 100.84	# UNITS YR END	0 0 2 2 2 0 0 0	\$76 \$76 \$76 \$115 \$115 \$115 \$115 \$115	FIXTURE \$ \$77 \$116 \$233 \$264 \$446 \$459 \$912 \$359 \$387	TOTAL \$ INSTALLED \$0 \$0 \$309 \$378 \$0 \$0 \$0	NET PLANT \$0 \$0 \$129 \$158 \$0 \$0 \$0	ESTIMATED PLT COSTS \$0 \$0 \$619 \$757 \$0 \$0 \$0	SCALED TO GROSS PLT COSTS \$0 \$0 \$345 \$421 \$0 \$0 \$0 \$0	SCALED TOT \$ INSTALLED \$0 \$0 \$172 \$211 \$0 \$0 \$0 \$172 \$211 \$0 \$0 \$0 \$0 \$0 \$0	ESTIMATED ANNUAL KWH 0 0 1,190 1,672 0 0 0	ANNUAL UNITS 0 0 0 24 24 0 0 0 0 0 7 7 0 0	ANNUAL BASE REVENUES \$0 \$0 \$121 \$143 \$0 \$0 \$0 \$0 \$155 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	CURRENT MONTHLY CHARGE (1) \$3.63 \$5.63 \$5.00 \$5.88 \$7.64 \$8.05 \$14.92 \$2.31 \$2.88
RM112 RM113	MV MV	400 1000			20,000 50,000	158.79 380.23		0	\$115	\$465 \$678	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	0	0	\$0	\$3.63 \$7.10 \$2.73
RM115 RM116	MH MH Compa	250 400 any Owned			21,750 34,800	97.15 153.43		0	\$115 \$115	\$597 \$1,429	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	0	0	\$0 \$0	\$6.35 \$8.05
RM126	LED	60				20.10		6 Total		\$250	\$403	\$84 \$470 \$470	\$403 \$2,253	\$224 \$1,254 \$1,254 RATIO	\$224 0.56	20 3,389	56	\$6 \$285	\$7.86
	Mercury Other	Vapor														507 2,882	7 49	\$15 \$270	
																		\$1,948 \$1,948 \$572,560	check
	Rate U3 Rev Coc RM001 RM001 RM001 RM001 RM001 RM001 RM010 RM101 RM111 RM112 RM113 RM114 RM115 RM1116	Rate U30 - Public Rev Code RM001 HPS RM002 HPS RM003 HPS RM006 HPS RM006 HPS RM007 HPS RM107 HPS	Rate U30 - Public Lighting - Rev Code Watts RM001 HPS 55 RM002 HPS 50 RM003 HPS 100 RM004 HPS 150 RM005 HPS 250 RM006 HPS 250 RM007 HPS 1000 RM010 MV 175 RM011 MV 250 RM012 MV 400 RM013 MV 1000 RM014 MH 175 RM015 MH 250 RM016 MH 250 RM026 LED 73 Mercury Vapor Other Rate U30 - Public Lighting - RM010 HPS 150 RM101 HPS 150 RM101 HPS 150 RM101 HPS 150 RM102 HPS 100 RM103 HPS 150 RM104 HPS 150 RM106 HPS 1000 RM106 HPS 1000 RM107 HPS 1000 RM107 HPS 1000 RM108 HPS 1000 RM108 HPS 1000 RM109 HPS 1000 RM109 HPS 1000 RM109 HPS 1000 RM101 HPS 1000 RM111 MV 250 RM101 HPS 1000 RM111 MV 1000 RM111 MH 175 RM111 MH 250 RM111 H 175 RM111 H 175 RM111 H 250 RM111 H 250 RM111 H 250 RM111 H 250 RM1126 LED 60	Rate U30 - Public Lighting - Unmetered Rev Code RM001	Rate U30 - Public Lighting - Unmetered Rev Code Watts RM001	Rate U30 - Public Lighting - Unmetered Rev Code Watts RM001 HPS 35 4,995 RM002 HPS 50 5,850 RM003 HPS 100 11,700 RM004 HPS 150 17,7550 RM005 HPS 250 22,250 RM006 HPS 400 46,800 RM007 HPS 1000 117,000 RM010 MV 175 8,750 RM011 MV 250 12,500 RM012 MV 400 20,000 RM013 MV 1000 50,000 RM014 MH 175 15,225 RM015 MH 250 21,750 RM016 MH 400 34,800 RM026 LED 73 Recurry Vapor Other Rate U30 - Public Lighting - Metered Rev Code Watts RM100 HPS 35 4,995 RM016 HPS 100 11,700 RM017 HPS 100 11,700 RM018 HPS 100 11,700 RM019 HPS 100 11,700 RM101 HPS 50 5,850 RM102 HPS 100 11,700 RM103 HPS 150 17,550 RM104 HPS 250 22,250 RM106 HPS 1000 11,700 RM107 HPS 100 11,700 RM108 HPS 100 11,700 RM109 HPS 250 22,250 RM109 HPS 400 46,800 RM109 HPS 1000 117,000 RM111 MV 175 8,750 RM106 HPS 1000 117,000 RM111 MV 250 12,500 RM111 MV 400 20,000 RM111 MH 175 15,225 RM115 HH 250 21,750 RM116 HH 400 34,800 Company Owned RM116 HH 250 21,750 RM117 HH 250 21,750 RM1116 HH 250 34,800 RM116 HH 250 21,750 RM1116 HH 250 34,800 RM116 HH 250 34,800 RM116 HH 250 34,800 RM116 HH 400 34,800 RM116 LED 60	Rate U30 - Public Lighting - Unmetered	Rate U30 - Public Lighting - Unmetered #UNITS Rev Code Watts Rev Code Rev Code	Rate U30 - Public Lighting - Unmetered Rev Code Watts KMM101 HPS 35 4,095 14.07 7 REND MEMO24 HPS 50 5,850 19.77 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Rate U30 - Public Lighting - Unmetered Rev Code Walts RM001 HPS S0 5.850 19.77 0 576 RM002 HPS 150 117,00 49.58 0 576 876	Rev Code Watts (NUMBER 150) E F G H I J J Rate U30 - Public Lighting - Unmetered	Rev Code Watts Lumens KWHMO FIRED STOTALS NAME STOTALS NA	Rev Code Watts Lumens KWHMO Poblic Lighting - Unmetered Watts Lumens KWHMO Poblic Lighting - Unmetered Watts Lumens KWHMO Poblic Lighting - Unmetered Watts Lumens KWHMO Poblic Lighting - Water Watts Watts	Rate U30 - Public Lighting - Unmetered Rev Code Wats Rev Code Rev Code Wats Rev Code Rev Code Wats Rev Code Wats Rev Code Wats Rev Code Rev Code Rev Code Wats Rev Code	Rate U30 - Public Lighting - Unmerered Waits Lumens KNHHMO YR END BRACKET FIXTURE S INSTALLED NET PLANT PLT COSTS COSTS	Rate U30 - Public Lighting - Jumetered Rate U30 - Public Lighting - Metered Rate U30 - Public Ligh	Rate U30 - Public Lighting - Ummetered Fig. F	Rate U30 - Public Lighting - Unmertered Rate U30 - Public Lighting - Meteral Vispor Canal Rate U30 - Publi	A

Line No. С G N R s D 0 Q

								_					_	
RATE 19 - REDDY GUARD SUMMARY														
RATE 19 - REDDY GUARD Rate U10 - Reddy-Guard - Residential U	Year End Metered Units	Year End Unmetered Units	Year End No. of Units 1,206	Estimated Gross Plant Cost \$748,945	Est Plt Cost % of Total \$ 21.94%	Gross Plant \$416,999	Net Plant \$156,126	Unmetered Annual kWh 1,480,583	Estimated Metered Annual kWh	Total Rate 19 Annual kWh 1,480,583	21,089	\$132,563	Cost Based Calculated Annual Rev \$153,877	Prop Annu \$1
Rate U10 - Reddy-Guard - Residential M Rate U20 - Reddy-Guard - Commercial U			932 3.105	\$360,776 \$1,430,712	10.57% 41.90%	\$200,873 \$796.594	\$75,208 \$298,249	3,560,355	786,196	786,196 3.560.355	11,026 35.698	\$40,593 \$305.399	\$64,572 \$370.028	\$ \$3
Rate U20 - Reddy-Guard - Commercial I	Metered		1,668	\$861,064	25.22%	\$479,424	\$179,499		1,623,312	1,623,312	15,664	\$92,057	\$116,371	\$1
Rate U30 - Public Lighting - Unmetered Rate U30 - Public Lighting - Metered			15 6	\$10,633 \$2,253	0.31% 0.07%	\$5,920 \$1,254	\$2,217 \$470	19,703	3,389	19,703 3,389	220 56	\$1,663 \$285	\$2,048 \$278	
Total Rate 19 Total Unmetered Total Metered	2606	4,326	6,932	\$3,414,382	100.00%	\$1,901,066 \$1,219,513 \$681,552	\$711,768 \$456,591 \$255,176	5,060,641	2,412,897	7,473,538	83,753	\$572,560 \$439,625 \$132,935 COS Study	\$707,174 \$461,104 \$157,019	\$6 \$1 \$
Average Unit Installation Cost (2)				\$492.55		\$274.24						\$570,629 1,930	\$618,123 \$89,051	\$6°
								Rate U2 Rate	2 U20 - Reddy-G Rate U30 - F	rd - Commercial Guard - Commerc Public Lighting - O - Public Lightir	cial Metered - Unmetered			
								Rate U2 Rate	2 U20 - Reddy-G Rate U30 - F	Guard - Commer Public Lighting -	cial Metered - Unmetered			
									Rate OSC	т	otal Rate 19	\$405,967	\$212,156	
											I Unmetered otal Metered	\$325,008 \$80,959	\$136,096 \$76,060	
]
NOTES: 1. Current monthly charge exclud	es fuel, ad valo	orem, and tran	smission by o	others charge.										
Includes Bracket & Fixture Net Operating Expense (NOE) Plant recovery cost is calculate	= Total Operated as difference	ing Expenses between Pro	less Other Opposed Revenue	perating Revenue ue less Net Opera	es & Wholesale ating Expenses	e Revenues Excl	Fuel and Extern	nal Transmissio	n					

Rate U10 - Reddy-Guard - Residential Unmetered Rate U10 - Reddy-Guard - Residential Metered Rate U20 - Reddy-Guard - Commercial Unmetered Rate U20 - Reddy-Guard - Commercial Metered Rate U30 - Public Lighting - Unmetered Rate U30 - Public Lighting - Metered	Net Operating Expenses (3)	Plant (4)	Revenue Incr/Decr 19.51% 16.81% 17.35% 16.65% 21.79% 17.41%
Total Rate 19	\$405,967	\$212,156	
Total Unmetered	\$325,008	\$136,096	
Total Metered	\$80,959	\$76,060	

- 1. Current monthly charge excludes fuel, ad valorem, and transmission by others charge.
 2. Includes Bracket & Fixture
 3. Net Operating Expense (NOE) = Total Operating Expenses less Other Operating Revenues & Wholesale Revenues Excl Fuel and External Transmission
 4. Plant recovery cost is calculated as difference between Proposed Revenue less Net Operating Expenses

\$18,367

628,112

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 7 - COST CALCUATION DETAILS SUPPORTING TABLES 1-6

Line Α В С Е F G н R No. D Κ Ν 0 Р Q s RATE 56 - COMPANY OR CUSTOMER OWNED HIGHWAY, STREET AND AREA LIGHTING SYSTEMS Rate U30 - Distribution Pole Mounting SCALED TO SCALED ANNUAL CURRENT #UNITS INSTALL & FIXTURE & TOTAL \$ ESTIMATED GROSS PLT TOT \$ ANNUAL ANNUAL BASE MONTHLY Rev Code C SMD37 HPS SMD38 HPS SMD39 HPS Lumens 11,700 11,700 Company Owned (*) KWH/MO YR END POLE \$ \$738 EYE \$ \$386 INSTALLED \$1,124 NET PLANT \$125,526 PLT COSTS \$152,900 COSTS \$125,526 INSTALLED KWH 75,48 UNITS REVENUES CHARGE (1) \$4.22 With Pole 49.58 136 \$923 \$7,28 49.58 \$0 \$1.48 \$1,155 \$0 17,550 17,550 \$738 \$417 \$1,423,308 \$1,733,691 \$1,423,308 1,299,120 11,309 \$138,071 150 * With Pole 69 68 1,501 \$948 17.820 \$7.53 69.68 \$2.08 9 SMD40 HPS 10 SMD41 HPS 11 SMD42 HPS 12 SMD43 HPS 13 SMD44 HPS 14 SMD45 HPS 15 SMD46 HPS 29,250 29,250 46,800 46,800 117,000 \$286,505 3,093 1,445 404 2,468 250 * \$348,984 \$286,505 348,657 163,451 \$34,501 With Pole 107.87 261 \$738 \$599 \$1,337 \$1,098 \$10.66 \$0 \$35,467 \$0 \$1,108 \$4,722 \$5,672 \$3.19 \$12.58 107.87 116 32 With Pole 166.16 \$738 \$612 \$1,350 \$35,467 \$43,201 68,774 400 1000 * 1000 166.16 209 \$0 \$0 \$0 \$0 \$0 428,488 \$12,604 \$0 \$4.76 \$26.32 With Pole \$738 \$1.065 \$0 \$0 \$0 \$0 \$0 389 94 389.94 \$0 \$0 \$0 15 SMD46 HPS 16 17 SMD47 MV 18 SMD48 MV 20 SMD50 MV 20 SMD50 MV 21 SMD51 MV 22 SMD52 MV 23 SMD53 MV 24 SMD54 MV 25 175 * With Pole 72.36 1,942 \$738 \$512 \$1,250 \$1,993,689 \$2,428,456 \$1,993,689 \$1,027 1,749,803 23,128 \$115,880 \$4.79 175 ^ 250 * 250 400 * 400 * 400 1000 * 8,750 12,500 12,500 169 288 0 72.36 \$2.14 \$738 \$540 \$1,279 \$27,291 \$33,242 \$27,291 \$1,050 30,620 \$1,914 \$0 \$6.06 \$2.76 With Pole 100 84 26 100.84 \$0 20,000 20,000 50,000 50,000 \$1,681 \$299 \$0 \$0 27,839 9,224 167 55 0 With Pole 158.79 \$738 \$618 \$1,356 \$17,812 \$21,696 \$17,812 \$1,113 158.79 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$4.84 \$0 \$17.07 With Pole \$738 \$831 380.23 380.23 \$0 \$0 \$0 \$0 \$0 \$8.80 25 250 * 250 400 * 400 \$2,336 26 27 \$738 \$1,423 \$1,168 24 \$263 \$10.99 With Pole 97.15 \$684 \$2,846 \$2,336 2,706 27 SMD55 MH 28 SMD57 MH 29 SMD58 MH 21,750 21,750 34,800 34,800 \$0 \$305 \$0 97.15 \$0 \$3.52 3,946 0 With Pole 153 43 \$738 \$750 \$1,488 \$2,444 \$2,977 \$2,444 \$1,222 23 \$12.98 153.43 ō \$0 \$0 \$0 \$0 \$0 \$4.48 30 31 SLD45 LED 32 SLD51 LED 33 SLD53 LED 34 SLD57 LED 35 SLD63 LED \$153 \$153 \$126 \$126 6 79 48 \$109 \$1,128 \$10.71 42* 60* With Pole With Pole 14.07 \$153 \$153 \$126 \$5,397 \$153 \$126 \$5,397 100 2,149 20.10 43 \$6,574 \$12.13 73* 126* 189* With Pole With Pole 24.46 42.21 \$153 \$153 \$153 \$153 \$753 \$502 \$917 \$612 1,281 332 \$576 \$103 \$0 \$0 \$753 \$126 \$10.73 \$502 \$126 \$15.75 63.32 \$0 \$153 \$153 \$377 \$459 \$377 \$126 875 12 \$23.63 36 37 38 39 40 41 42 43 4.372 Total \$3.921.532 \$3.921.532 4 261 841 51 319 \$326.820 3,918 Company Owned \$3,921,532 \$4,776,707 \$3,921,532 \$3,611,682 \$46,547 \$307,780 \$0 \$3,921,532 \$0 \$4,776,707 \$0 \$3,921,532 397 Customer Owned 650,159 4,772 19,040 Check 0.82 Mercury Vapor - Company Owned 1,808,262 23,583 \$119,474 22,047 1,803,420 224 22,964 4,548 Mercury Vapor - Customer Owne \$673 \$188,306

Other - Company Owned Other - Customer Owned

									TABLE	7 - COST CALC	UATION DETAI	LS SUPPORT	ING TABLES 1-6	6					
Line No		В	С	D	E	F	G	н	1	J	κ	L	М	N	0	Р	Q	R	s
73 74 99 75	Rev Coo SMM22 SMM02 SMM01 SMM02 SMM03 SMM04 SMM05 SMM06 SMM06 SMM07 SMM08 SMM07 SMM08	HPS	Pole Mounti Watts pany Owned 50 100 * 100 * 150 * 150 * 250 * 250 * 400 * 400 1000 *		With Pole With Pole With Pole With Pole	Lumens 5,850 11,700 11,700 17,550 29,250 29,250 46,800 46,800 117,000	KWH/MO 24.79 49.58 49.58 69.68 69.68 107.87 107.87 166.16 166.16 389.94 389.94	# UNITS YR END 4 0 9 515 92 637 17 444 562 0 0	INSTALL & POLE \$ \$1,895 \$1,895 \$1,895 \$1,895 \$1,895	\$386 \$417 \$599 \$612 \$1,065	TOTAL \$ INSTALLED \$0 \$0 \$2.312 \$0 \$2.494 \$0 \$2.507	NET PLANT \$0 \$0 \$30 \$337,504 \$450,335 \$0 \$315,519 \$0 \$0	ESTIMATED PLT COSTS \$0 \$0 \$0 \$1,190,579 \$0 \$1,588,603 \$0 \$1,113,027 \$0 \$0 \$0	SCALED TO GROSS PLT COSTS \$0 \$0 \$977,429 \$0 \$1,304,195 \$0 \$913,761 \$0 \$0 \$0	SCALED TOT \$ INSTALLED \$0 \$0 \$0 \$1,898 \$0 \$2,047 \$0 \$2,058 \$0 \$2,058	ANNUAL KWH 2,486 0 0 5,548 411,947 80,496 848,248 19,098 903,995 1,163,436 0	ANNUAL UNITS 48 0 107 5,603 1,104 7,519 169 5,245 6,750 0 0	ANNUAL BASE REVENUES \$19 \$0 \$161 \$118,368 \$2,306 \$173,303 \$541 \$133,346 \$32,386 \$0 \$0	CURRENT MONTHLY CHARGE (1) \$0.73 \$19.07 \$1.48 \$19.39 \$2.08 \$22.01 \$3.19 \$23.78 \$4.76 \$37.74 \$11.82
86 87 88 89 90 91 92	5 SMM11 7 SMM12 8 SMM13 9 SMM14 0 SMM15 1 SMM16 2 SMM17 8 SMM18	MV MV MV MV MV	175 * 175 250 * 250 400 * 400 1000 *		With Pole With Pole With Pole	8,750 8,750 12,500 12,500 20,000 50,000 50,000	72.36 72.36 100.84 100.84 158.79 158.79 380.23 380.23	0 0 29 0 7 0 0	\$1,895 \$1,895 \$1,895 \$1,895	\$512 \$540 \$618 \$831	\$0 \$0 \$2,435 \$0 \$2,513 \$0 \$0	\$0 \$0 \$20,020 \$0 \$4,986 \$0 \$0	\$0 \$0 \$70,624 \$0 \$17,589 \$0 \$0	\$0 \$0 \$57,980 \$0 \$14,440 \$0 \$0	\$0 \$0 \$1,999 \$0 \$2,063 \$0 \$0	0 0 34,404 0 12,661 0 0	0 0 322 0 75 0 0	\$0 \$0 \$5,819 \$0 \$1,577 \$0 \$0	\$11.98 \$2.14 \$16.34 \$2.76 \$18.92 \$4.84 \$28.99 \$8.80
95 96 97	SMM20 SMM21	MH	175 * 250 * 400 *		With Pole With Pole With Pole	21,750 20,000 8,750	68.68 97.15 153.43	1 6 0	\$1,895 \$1,895 \$1,895	\$502 \$618 \$512	\$2,397 \$2,513 \$0	\$680 \$4,274 \$0	\$2,397 \$15,077 \$0	\$1,968 \$12,377 \$0	\$1,968 \$2,063 \$0	1,353 12,203 0	12 70 0	\$249 \$1,559 \$0	\$19.20 \$20.55 \$21.55
98 101 101 101 101 101 101 101 101 101 10	SLM45 SLM50 SLM07 SLM53 SLM55 SLM11 SLM57 SLM15 SLM20 SLM22 SLM67 SLM70 SLM75	LED	42* 51* 71 73* 108* 126* 154 189* 200 268 278* 309* 319*		With Pole		14.07 17.09 23.79 24.46 34.51 36.18 42.21 51.59 63.32 69.01 89.78 93.13 103.52 106.87	1 4 34 2 20 8 7 242 40 0 2 9 12 2	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$153 \$153 \$153 \$153 \$153 \$153 \$153 \$153	\$153 \$153 \$153 \$153 \$153 \$00 \$153 \$0 \$153 \$0 \$153 \$153 \$153	\$43 \$173 \$00 \$87 \$867 \$0 \$303 \$0 \$1,734 \$0 \$0 \$390 \$520 \$87	\$153 \$612 \$0 \$306 \$3,058 \$0 \$1,070 \$6,116 \$0 \$0 \$1,376 \$1,835 \$306	\$126 \$502 \$00 \$251 \$2,510 \$0 \$5,021 \$0 \$0 \$1,130 \$1,506 \$251	\$126 \$126 \$10 \$126 \$126 \$126 \$0 \$126 \$0 \$126 \$0 \$126 \$126 \$126	132 866 10,171 548 8,477 2,679 640 156,588 20,139 0 2,263 10,570 15,663 2,696	9 48 408 22 233 72 11 2,890 291 108 144 24	\$231 \$1,049 \$348 \$524 \$5,989 \$94 \$266 \$5,357 \$11,596 \$77 \$4,250 \$6,114 \$1,043	\$22.54 \$21.62 \$0.85 \$22.56 \$24.71 \$1.30 \$27.58 \$1.85 \$3.5.46 \$2.47 \$3.22 \$3.88 \$41.91
103 104 105 106 107	3 1 5							974	Total Company Owr Customer Owr Check	ned ned		\$1,137,522 \$1,137,522 \$0 \$1,137,522	\$4,012,726 \$0 \$4,012,726	\$3,294,326 \$3,294,326 \$0 \$3,294,326 RATIO	0.82	3,727,307 2,284,541 1,442,766	31,308 19,736 11,572	\$506,574 \$465,284 \$41,289	
1000 1101 1101 1101 1101 1101 1101 110		Mercury \ Other - C	/apor - Com /apor - Cust ompany Own ustomer Own	omer C ned												47,065 0 2,237,476 1,442,766	397 0 19,339 11,572	\$7,397 \$0 \$457,887 \$41,289	

Line									TABLE	7 - COST CALC	UATION DETAI	LS SUPPORT	ING TABLES 1-	6					
No.		В	С	D	E	F	G	н	1	J	K	L	М	N	0	P	Q	R	s
144 145 146 147 148 149 150 151 152 153 154	Rev Co SMW19 SMW20 SMW21 SMW23 SMW24 SMW25 SMW26 SMW26 SMW27 SMW27	de Cor HPS HPS HPS HPS HPS HPS HPS HPS	d Pole Mount Watts mpany Owner 100 * 100 * 150 * 150 * 250 * 250 * 400 * 400 1000 *	_	With Pole With Pole With Pole With Pole With Pole	Lumens 11,700 11,700 17,550 17,550 29,250 46,800 46,800 117,000	KWH/MO 49.58 49.58 69.68 69.68 107.87 107.87 166.16 166.16 389.94 389.94	# UNITS YR END 286 0 1,848 0 494 0 44 4 0 0	INSTALL & POLE \$ \$738 \$738 \$738 \$738 \$738 \$1,025	FIXTURE & EYE \$ \$386 \$417 \$599 \$612 \$1,065	TOTAL \$ INSTALLED \$1,124 \$1,00 \$1,155 \$0 \$1,337 \$0 \$1,350 \$0 \$0 \$0	NET PLANT \$91,150 \$0 \$605,081 \$0 \$187,246 \$0 \$16,839 \$0	ESTIMATED PLT COSTS \$321,540 \$0 \$2,134,484 \$0 \$660,528 \$0 \$59,402 \$0 \$0 \$0 \$0	SCALED TO GROSS PLT COSTS \$263,975 \$263,975 \$0 \$1,752,347 \$0 \$542,274 \$0 \$48,767 \$0 \$0 \$0	SCALED TOT \$ INSTALLED \$923 \$0 \$948 \$0 \$1,098 \$0 \$1,108 \$0 \$0 \$0	ANNUAL KWH 144,235 0 1,575,797 0 659,966 0 83,303 7,024 0 0	ANNUAL UNITS 2,747 0 21,599 0 5,860 481 40 0 0	ANNUAL BASE REVENUES \$38,542 \$0 \$257,533 \$0 \$1,883 \$0 \$8,790 \$244 \$0 \$0	CURRENT MONTHLY CHARGE (1) \$11.03 \$11.48 \$11.34 \$2.08 \$15.18 \$3.19 \$16.96 \$4.76 \$30.99 \$11.82
161 162	SMW30 SMW31 SMW32 SMW33 SMW34 SMW35 SMW36	MV MV MV MV MV MV	175 * 175 250 * 250 400 * 400 1000 *		With Pole With Pole With Pole With Pole	8,750 8,750 12,500 12,500 20,000 20,000 50,000	72.36 72.36 100.84 100.84 158.79 158.79 380.23 380.23	1,445 0 21 0 24 0	\$738 \$738 \$738 \$1,025	\$512 \$540 \$540 \$831	\$1,250 \$0 \$1,279 \$0 \$1,279 \$0 \$0 \$0	\$512,235 \$0 \$7,611 \$0 \$8,698 \$0 \$0	\$1,806,961 \$0 \$26,849 \$0 \$30,685 \$0 \$0	\$1,483,460 \$0 \$22,042 \$0 \$25,191 \$0 \$0	\$1,027 \$0 \$1,050 \$0 \$1,050 \$0 \$0 \$0	1,284,974 0 26,983 0 42,998 0 0	16,975 0 258 0 261 0	\$151,669 \$0 \$3,557 \$0 \$4,056 \$0 \$0	\$8.39 \$2.14 \$12.96 \$2.76 \$14.32 \$4.84 \$20.43 \$8.80
166 167	SMW37 SMW38	MH MH	250 * 400 *		With Pole With Pole	21,750 20,000	97.15 153.43	0 9	\$738 \$738	\$540 \$540	\$0 \$1,279	\$0 \$3,262	\$0 \$11,507	\$0 \$9,447	\$0 \$1,050	558 15,802	5 92	\$76 \$1,687	\$15.51 \$17.36
167 166 167 167 166 167	SLW45 SLW50 SLW51 SLW53 SLW57 SLW15 SLW63	LED LED LED LED	42* 51* 60* 73* 126* 154 189*		With Pole With Pole With Pole With Pole With Pole	21,750 20,000 21,750 20,000 20,000 21,750 20,000	14.07 17.09 20.10 24.46 42.21 51.59 63.32	1 8 63 12 4 13	\$0 \$0 \$0 \$0 \$0 \$0	\$153 \$153 \$153 \$153 \$153 \$153	\$153 \$153 \$153 \$153 \$153 \$0 \$153	\$43 \$347 \$2,731 \$520 \$173 \$0 \$43	\$153 \$1,223 \$9,632 \$1,835 \$612 \$0 \$153	\$126 \$1,004 \$7,908 \$1,506 \$502 \$0 \$126	\$126 \$126 \$126 \$126 \$126 \$126 \$0 \$126	80 1,143 2,966 3,010 919 8,457 228	5 64 109 117 19 156 1,449	\$182 \$887 \$2,589 \$1,857 \$434 \$289 \$110	\$14.50 \$13.58 \$15.31 \$14.52 \$19.54 \$1.85 \$27.42
168 169 170 171 172 173									Company Ow Customer Ow Check		ı	\$1,435,979 \$1,435,979 \$0 \$1,435,979	\$5,065,564 \$0 \$5,065,564	\$4,158,674 \$4,158,674 \$0 \$4,158,674 RATIO	0.82	3,858,442 3,842,961 15,481	50,237 50,041 196	\$564,385 \$563,852 \$532	
175 176 177 178 179 180		Mercury Other -	/ Vapor - Com / Vapor - Cus Company Ow Customer Ow	tomer C <i>r</i> ned	owned Owne											1,354,955 0 2,488,007 15,481	17,494 0 32,547 196	\$159,282 \$0 \$404,571 \$532	
1822 1833 1844 1855 1896 1997 1888 1899 1991 1962 203 204 205 206 207 228 225 226 227 228 221 213																		\$1,399,414 \$1,399,414	check

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NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 7 - COST CALCUATION DETAILS SUPPORTING TABLES 1-6

Line C n F G н N O R No. Q RATE 56 - COMPANY OR CUSTOMER OWNED HIGHWAY, STREET AND AREA LIGHTING SYSTEMS SUMMARY 215 216 217 218 219 RATE 56 - COMPANY OR CUSTOMER OWNED HIGHWAY, STREET AND AREA LIGHTING SYSTEMS Cost Based 221 222 223 Year End # of Units Co Owned Cust Owned Rate 56 Year End Estimated Estimated Present Calculated Proposed Plant Cost Plant Cost % Gross Plant Net Plant Annual kWh Annual kWh Annual kWh Annual Units Annual Rev Annual Rev Annual Rev Units Rate U30 - Distribution Pole Mounting Company Own Rate U30 - Distribution Pole Mounting Customer Own Rate U30 - Metal Pole Mounting Company Owned 3,918 3,918 \$4,776,707 34.48% \$3,921,532 \$1,354,095 3,611,682 3,611,682 46,547 \$307,780 \$989,673 \$370,187 224 225 397 1,732 0.00% \$0 \$3,294,326 650.159 650,159 4.772 \$19.040 \$29,316 \$626,010 \$22,621 \$548,130 397 \$0 1,732 \$4,012,726 28.96% \$1,137,522 2,284,541 2,284,541 19,736 \$465,284 226 Rate U30 - Metal Pole Mounting Customer Owned 227 Rate U30 - Wood Pole Mounting Company Owned 228 Rate U30 - Wood Pole Mounting Customer Owned 974 4,260 974 4,260 \$0 0.00% \$0 \$4.158.674 \$0 1,442,766 1,442,766 11,572 \$41,289 \$563,852 \$65,054 \$1,053,048 \$51,503 \$5.065.564 \$1.435.979 3 842 961 36.56% 3 842 961 50 041 \$713,003 15,481 15,481 \$532 229 Rate U30 - STKLR (Kaylor Cust Owned) 47 47 567 \$1,635 230 231 11,345 11,345 \$13,854,998 100.00% \$11,374,532 11,847,590 2,108,406 232 Total Company Owned 233 Total Customer Owned 9,910 116,324 17,107 \$2,668,731 9 910 \$13,854,998 \$11.374.532 \$3,927,597 9,739,184 9 739 184 \$1,336,917 \$1,631,321 1,435 \$74,725 \$0 \$0 2,108,406 2,108,406 \$62,497 \$95,068 234 235 236 237 COS Study Company Owned Average Unit Installation Cost \$1,221.24 \$2,381,214 \$2,381,214 \$1,002.60 \$1,401,401 (1,987)\$382,585 (\$675,168) 238
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NOTES: -0.14% Net Revenue Operating Incr/Decr Expenses (3) Plant (4) Rate U30 - Distribution Pole Mounting Company Owned 16.86% Rate U30 - Distribution Pole Mounting Customer Owned 15.83% Rate U30 - Metal Pole Mounting Company Owned Rate U30 - Metal Pole Mounting Customer Owned 15.11% 19.83% Rate U30 - Wood Pole Mounting Company Owned Rate U30 - Wood Pole Mounting Customer Owned 20.92% 11.48% Total Rate 56 \$1,542,108 \$839,106 ,510,030 \$776,771 **Total Company Owned** Total Customer Owned \$32,078 \$62,335

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272 273 274

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1. Current monthly charge excludes fuel, ad valorem, and transmission by others charge.

2. Rate U30 kWh are estimated based kwh/Month * No of Units
3. Net Operatin Expense (NOE) = Total Operating Expenses less Other Operating Revenues & Wholesale Revenues Excl Fuel and External Transmission

4. Plant Recovery cost is calculated as difference between Proposed Revenue less Net Operating Expenses

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 8 - FUNCTIONAL SYSTEM COSTS SUMMARY PER KWH

Line No.	А	B CURRENT REVENUE	C PROPOSED REVENUE	D	E KWH	F	F PROPOSED REVENUE	G	Н	I	J	K PROPOSED REVENUE	L	М
1	Poddy Cuard (Pate 40)	@ 4.44%	(Target)		(COS)		\$/KWH					@ 7.54%		
2	Reddy-Guard (Rate 19) Production	\$68,011	\$77,760		5,060,641		\$0.01537					\$77,760		
3	Transmission	\$16,728	\$20,577		5,060,641		\$0.01537					\$20,577		
4	Distribution	****	077 440		= 000 044		00.04500							
5	Substations & Primary	\$68,951	\$77,443		5,060,641		\$0.01530					\$77,443		
6 7	Secondary & Line Transfrs Total Distribution	\$41,180 \$110,131	\$46,856 \$124,299		5,060,641		\$0.00926 \$0.02456					\$46,856 \$124,299		
8	Services, Meters, & Meter Rdg	\$110,131 \$0	\$124,299		5,060,641		\$0.02430					\$124,299 \$0		
9	Street Lighting	\$269,313	\$284,905		5,060,641		\$0.05630					\$284,905		
10	Customer Rec & Other	\$105,156	\$108,917		5,060,641		\$0.02152					\$108,917		
11	Energy (non fuel)	\$1,290	\$1,665		5,060,641		\$0.00033					\$1,665		
12	Fuel	\$0	\$0		0,000,011		ψυ.υυυυυ					\$0		
13	Subtotal Rate 19 (Excl Fuel) - COS Rev	\$570,629	\$618,123				\$0.12214	System Charg	es per kWh			\$618,123		
14	Subtotal Rate 19 (Excl Fuel) - Input Rev	\$572,560						, .						
15	Subtotal Rate 19 (Excl Fuel) - Proposed Rev		\$695,908											
16														
17	Highway, Street & Area Lighting (Rate 56)													
18	Production	\$64,747	\$213,159		11,867,293		\$0.01796					\$213,159		
19	Transmission	\$12	\$58,658		11,867,293		\$0.00494					\$58,658		
20	Distribution													
21	Substations & Primary	\$75,574	\$196,333		11,867,293		\$0.01654					\$196,333		
22	Secondary & Line Transfrs	\$38,953	\$119,679		11,867,293		\$0.01008					\$119,679		
23	Total Distribution	\$114,527	\$316,012 \$0		14 007 000		\$0.02663					\$316,012		
24 25	Services, Meters, & Meter Rdg Street Lighting	\$0 \$1,207,804	\$1,769,884		11,867,293 11,867,293		\$0.00000 \$0.14914					\$0 \$1,769,884		
26	Customer Rec & Other	\$1,207,804	\$18,959		11,867,293		\$0.00160					\$18,959		
27	Energy (non fuel)	-\$804	\$4,541		11,867,293		\$0.00038					\$4,541		
28	Fuel	\$0	\$0		,00.,200		ψυ.υυυυυ					\$0		
29	Subtotal Rate 56 (Excl Fuel) - COS Rev	\$1,401,401	\$2,381,214				\$0.20065	System Charg	es per kWh			\$2,381,214		
30	Subtotal Rate 56 (Excl Fuel) - Input Rev	\$1,399,414						,	•					
31 32	Subtotal Rate 56 (Excl Fuel) - Proposed Rev		\$1,706,046											
33	Total Lighting - COS Revenue	\$1,972,030	\$2,999,337	\$1,027,307	Increase									
34	Total Lighting - Input Revenue	\$1,971,974	, ,,											
35	Total Lighting - Proposed Lighting Study Rev		\$2,401,954											
36			\$597,382	Difference										
37 38	SUMMARY OF CALCULATED COSTS PER KWH			COMP	ANY OWNED						CUSTOME	R OWNED		
39		RATE 19	RATE 19	DATE 10	RATE 19	RATE 56	RATE 56	DATE	RATE 19	RATE 19	DATE 40	RATE 56	RATE 56	DATE
40 41	DATA SOURCE:	PLANT	NOE	RATE 19	NOE	PLANT	NOE	RATE 56	PLANT (1)	NOE	RATE 19	PLANT (1)	NOE	RATE 56
41	DATA SOURCE:	TABLE 9 UNMETERED	TABLE 11A	TOTAL UNMETERED	TABLE 11A METERED	TABLE 9	TABLE 11A	TOTAL	TABLE 9	TABLE 11B	TOTAL	TABLE 9	TABLE 11B	TOTAL
43 44	PRODUCTION	\$0.00848	\$0.00942	\$0.00942	WETEKED	\$0.01541	\$0.00779	\$0.02320			\$0.00000	\$0.01541	\$0.00550	\$0.02091
44 45 46	TRANSMISSION	\$0.00327	\$0.00092	\$0.00092		\$0.00594	\$0.00076	\$0.00670			\$0.00000	\$0.00594	\$0.00054	\$0.00648
47 48	DISTRIBUTION	\$0.01235	\$0.01681	\$0.01681		\$0.02098	\$0.01299	\$0.03397			\$0.00000	\$0.02098	\$0.00917	\$0.03015
49 50	REDDY LIGHTING (Rate 19) - UNMETERED METERED	\$0.03971 \$0.04858	\$0.03707	\$0.07678	\$0.03355	\$0.00000	\$0.00000	\$0.00000			\$0.00000		\$0.00000	\$0.00000
51 52	HIGHWAY, ST, & SGNL LTG (Rate 56)	ψυ.υ4000	\$0.00000	\$0.00000	ψυ.υυυυ	\$0.10720	\$0.13351	\$0.24071			\$0.00000	\$0.00000	\$0.00000	\$0.00000
53	SUBTOTAL		\$0.06422	\$0.10393	\$0.03355	\$0.14953	\$0.15505	\$0.30458	\$0.00000	\$0.00000	\$0.00000	\$0.04233	\$0.01521	\$0.05754
54			ψο.οο.22	ψ33300	20.00000	\$0.11897	\$00000	\$0.00.00	ψ0.00000	ψο.σσσσσ	40.00000	\$0.02988	\$0.0.0 <u>1</u>	\$0.00.04
55				UNMETERED	METERED									
56	SYSTEM CHARGES PER KWH APPILCABLE TO	LIGHTING KWH	HESTIMATES	\$0.10393	\$0.08213			\$0.27402						\$0.04509
57						_								
58	LED Energy Costs:	Metered LED	\$0.08832	Unmetered LED	\$0.03355	Company Ov	vned LED - 56	\$0.06387				Customer Ow	ned LED - 56	\$0.05754

 ⁽¹⁾ Plant costs for customer-owned lighting are not included in metered rates since customer has incurred the costs.
 (2) Net Operating Expenses (NOE) are calculated as Total Operating Expense less Other Operating Revenue and Wholesale Revenue.

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 9 - NET PLANT AND FUNCTIONAL COST DEVELOPMENT

	Α	В	C	D	E	F	G	Н	1	J	К	L	M	N	0
Line No.		UMETERED RATE 19 NET PLT	METERED RATE 19 NET PLT	Co Owned RATE 56 NET PLT (5)	Cust Owned RATE 56 NET PLT (5)	TOTAL LIGHTING NET PLT	TOTAL RATE 19 LTG PLT	Co Owned RATE 56 LTG PLT		RATE 19 SALES	RATE 56 SALES	Cust Owned RATE 56 SALES	RATE 19	RATE 56 UNIT COSTS	Cust Owned RATE 56
1 2	PROPROSED REVENUE FACTOR			(0)					REV RECOVERY	9.73%	17.82%	17.82%	\$/KWH	\$/KWH	\$/KWH
_	RODUCTION (1)									9.73%	17.82%	17.82%			
4 5	PRODUCTION	\$440,870		\$842,158	\$182,316	\$1,465,344	\$42,910	\$150,073	\$32,489	5,060,641	9,739,184	2,108,406	\$0.00848	\$0.01541	\$0.01541
-	RANSMISSION (2)														
7 8	TRANSMISSION	\$170,053		\$324,839	\$70,323	\$565,216	\$16,551	\$57,886	\$12,532	5,060,641	9,739,184	2,108,406	\$0.00327	\$0.00594	\$0.00594
9 D 10	ISTRIBUTION (3) PRIMARY SUBSTATIONS	\$130,127		\$232,245	\$50,278	\$412,650	\$12,665	\$41,386	\$8,960	5,060,641	9,739,184	2 109 406	\$0.00250	\$0.00425	\$0.00425
11										3,000,041					
12 13	PRIMARY LINES	\$255,019		\$455,145	\$98,533	\$808,697	\$24,821	\$81,107	\$17,559	5,060,641	9,739,184	2,108,406	\$0.00490	\$0.00833	\$0.00833
14	SECONDARY LINES	\$146,507		\$261,479	\$56,607	\$464,593	\$14,260	\$46,596	\$10,087	5,060,641	9,739,184	2,108,406	\$0.00282	\$0.00478	\$0.00478
15 16 17	TRANSFORMERS	\$110,724		\$197,615	\$42,781	\$351,119	\$10,777	\$35,215	\$7,624	5,060,641	9,739,184	2,108,406	\$0.00213	\$0.00362	\$0.00362
18	SERVICES	\$0		\$0	\$0	\$0									
19 20 21	METERS	\$0		\$0	\$0	\$0									
22	LIGHTING														
23 24 25 26	371 - INSTALL ON CUST PREM-UNMET (7) 371 - INSTALL ON CUST PREM-METERED (7)	\$456,591	\$255,176	\$0	\$0	\$711,768	\$44,440 \$24,836	\$0	\$0	3,427,204 1,565,730			\$0.01297 \$0.01586	\$0.00000	\$0.00000
27 28	372 - LEASED PROPERTY	\$0		\$0	\$0	\$0	\$0	\$0	\$0						
29 30	373 - ST LTG & SIGNAL SYS (7)	\$0		\$3,927,597	\$0	\$3,927,597	\$0	\$699,898	\$0		6,528,902	2,086,359	\$0.00000	\$0.10720	\$0.00000
31 32 33	SUBTOTAL LIGHTING	\$456,591	\$255,176	\$3,927,597	\$0	\$4,639,364	\$69,276	\$699,898	\$0						
34 T	OTAL NET PLANT	\$1,709,892	\$255,176	\$6,241,077	\$500,838	\$8,706,984	\$191,260	\$1,112,160	\$89,249				\$0.05293	\$0.14953	\$0.04233
	OTAL NET PLANT (COS STUDY CHECK) OTAL CALCULATED PORTION OF NET PLANT	\$1,965,068 \$136,096	\$76,060	\$6,741,915 \$776,771 \$839,106	\$62,335	\$8,706,984									
38	AOF DEVENUE FAOTODO		REVENUE	TOTAL	REVENUE				OURSE DV OF DUANT		RATE 19	RATE 19	RATE 56	RATE 56	
39 E	ASE REVENUE FACTORS	REVENUE	EXCLUDING	COMPANY	PER NET				SUMMARY OF PLANT (PHARGES		PER KWH	PER KWH		
41 42 F	ATE 19 - REDDY-GUARD	0	&M FUEL & ET	NET PLANT	PLANT \$ (4)						UNMETERED	METERED	CO OWNED	CUST OWNE	D
43	PRESENT	\$570,629	\$65,990	\$1,965,068	3.36%				PRODUCTION (1)		\$0.00848		\$0.01541	\$0.01541	
44 45	PROPOSED INCREASE	\$695,906 \$125,277	\$191,267 \$125,277	\$1,965,068	9.73%				TRANSMISSION (2)		\$0.00327		\$0.00594	\$0.00594	
46	PERCENT INCREASE BASE	21.95%	189.84%						. ,		,		,	,	
47 48	TOTAL O&M W/O FUEL & EXTERNAL TRAN	\$504,639							DISTRIBUTION (3)		\$0.01235		\$0.02098	\$0.02098	
49 F 50	ATE 56 - HIGHWAY, STREET & AREA LIGHTING PRESENT	\$1,401,401	(\$153,282)	\$6,741,915	-2.27%				REDDY-GUARD LIGHTI	NG	\$0.01297	\$0.01586	\$0.00000	\$0.00000	
51	PROPOSED	\$1,706,045	\$1,201,406	\$6,741,915	17.82%				HIGHWAY, ST, & SGNL	LTG	\$0.00000		\$0.10720	\$0.00000	
52 53 54	INCREASE PERCENT INCREASE BASE TOTAL O&M W/O FUEL & EXTERNAL TRAN	\$304,644 21.74% \$1,554,683	\$1,354,688 -883.79%						TOTAL PLANT TOTAL CALCULATED P	LANT (5)	\$0.03707 \$0.03971	\$0.01586 \$0.04858	\$0.14953 \$0.11897	\$0.04233 \$0.02988	
	lotes:								Note: kWh charge round	led to 5 deci	mals.				

56 Notes:
7 (1) Production kWh charge excludes base fuel expenses.
(2) Transmission kWh charge excludes external transmission expenses.
(3) Distribution kWh charge excludes services, meters, and meter reading expenses.
(4) Factor is calculated as (Total Present Revenues less Operating Expense) divided by Total Net Plant, rounded to 5 decimals
(5) Total plant charges are calculated using net plant (Table 7) divided by kWh sales
(6) KWh sales for mercury vapor units are not included

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 10 - FUNCTIONAL GROSS PLANT, ACCUMULATED DEPRECIATION, & NET PLANT

	A	В	С	D	E	F	G	Н	<u> </u>	J	K	L	M	N
Lin No		Rate 19	GROSS PLAN Rate 56	Total Ltg	Rate 19	UM DEPRECIA Rate 56	ATION Total Ltg	Rate 19	TOMER DISTE Rate 56	Total Ltg	Rate 19	NET PLANT Rate 56	Total Ltg	TOTAL LTG % DEP
														,, <u> </u>
1 2 3	PRODUCTION PRODUCTION	\$593,850	\$1,496,286	\$2,090,135	\$188,896	\$475,950	\$664,846	\$35,916.88	\$4,138.42	\$40,055	\$440,870	\$1,024,474	\$1,465,344	31.81%
4 5 6 7	TRANSMISSION TRANSMISSION	\$238,527	\$601,002	\$839,529	\$82,328	\$207,436	\$289,764	\$13,853.93	\$1,596.28	\$15,450	\$170,053	\$395,162	\$565,216	34.52%
8 9 10 11		\$167,278	\$393,797	\$561,075	\$47,752	\$112,415	\$160,167	\$10,601.23	\$1,141.27	\$11,742	\$130,127	\$282,523	\$412,650	28.55%
12	PRIMARY LINES	\$380,943	\$896,796	\$1,277,740	\$146,701	\$345,355	\$492,055	\$20,775.91	\$2,236.61	\$23,013	\$255,019	\$553,678	\$808,697	38.51%
13 14 15	SECONDARY LINES	\$213,090	\$501,644	\$714,734	\$78,518	\$184,843	\$263,362	\$11,935.66	\$1,284.92	\$13,221	\$146,507	\$318,086	\$464,593	36.85%
16	TRANSFORMERS	\$140,037	\$329,667	\$469,703	\$38,333	\$90,242	\$128,576	\$9,020.46	\$971.09	\$9,992	\$110,724	\$240,396	\$351,119	27.37%
17 18 19	SERVICES	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0	\$0	\$0	\$0	
20	METERS	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0	\$0	\$0	\$0	
21 22 23	LIGHTING													
24 25	371 - INSTALL ON CUST PREM	\$1,901,066	\$0	\$1,901,066	\$1,247,284	\$0	\$1,247,284	\$57,986.39	\$0.00	\$57,986	\$711,768	\$0	\$711,768	65.61%
26 27	372 - LEASED PROPERTY	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0	\$0	\$0	\$0	
28 29	373 - ST LTG & SIGNAL SYS	\$0	\$11,374,532	\$11,374,532	\$0	\$7,462,802	\$7,462,802	\$0.00	\$15,865.73	\$15,866	\$0	\$3,927,597	\$3,927,597	65.61%
30 31	SUBTOTAL LIGHTING	\$1,901,066	\$11,374,532	\$13,275,598	\$1,247,284	\$7,462,802	\$8,710,086	\$57,986	\$15,866	\$73,852	\$711,768	\$3,927,597	\$4,639,364	65.61%
32 33 34 35 36 37 38	CUSTOMER DISTRIBUTION (1) CUSTOMER METER READING CUSTOMER RECORDS CUSTOMER SERVICE & INFO SUBTOTAL CUSTOMER DISTRIBUTION	\$0 \$34,784 \$213,602 \$248,386	\$0 \$5,857 \$36,398 \$42,255	\$0 \$40,641 \$250,000 \$290,642	\$0 \$12,365 \$75,931 \$88,296	\$0 \$2,082 \$12,939 \$15,021	\$0 \$14,447 \$88,870 \$103,317	\$160,090	\$27,234	\$187,325				35.55% 35.55% 35.55%
39 40	TOTAL	\$3,883,177	\$15,635,979	\$19,519,156	\$1,918,108	\$8,894,064	\$10,812,172	\$160,090	\$27,234	\$187,325			\$0.01	55.39%
41 42 43	TOTAL EXCL CUSTOMER DISTRIBUTION	\$3,634,790	\$15,593,724	\$19,228,514	\$1,829,812	\$8,879,043	\$10,708,855				\$1,965,068	\$6,741,915	\$8,706,984	
44 45 46													\$8,519,659 \$187,325	check (Net Customer
47 48 49 50 51 52 53 54 55	Notes: (1) Customer Distribution is allocated to Produc (2) Source for Gross Plant and Accumulated De						ev @ 06-09-23	.xls"						

⁽¹⁾ Customer Distribution is allocated to Production, Transmission and Distribution Plant based on line item net plant.

⁽²⁾ Source for Gross Plant and Accumulated Depreciation from file "TY2022 Adjusted NWE SD Elec Embedded ACOS Rev @ 06-09-23.xls"

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 11A - FUNCTIONAL NET OPERATING EXPENSE DETAIL AND UNIT COSTS (COMPANY OWNED)

Line No.	A	B RATE 19 LIGHTING NET OPER EXPENSE (4)	C RATE 56 LIGHTING NET OPER EXPENSE (4)	D RATE 19 CUSTOMER DIST EXPENSE	E RATE 56 CUSTOMER DIST EXPENSE	F RATE 19 TOTAL LIGHTING NOE	G RATE 56 CO OWNED TOTAL LIGHTING NOE	H RATE 19 SALES KWH (5)	I RATE 56 CO OWNED SALES KWH (5)	J RATE 19 UNMETERED COSTS	K RATE 19 METERED COSTS PER KWH (6)	L RATE 56 UNIT NOE COSTS
1	PRODUCTION	EXPENSE (4)	EXPENSE (4)	LAFLINGL	LAFLINGL	NOL	NOL		KWII (3)	FERRWII	FER RVIII (0)	FER KWII
2 3 4 5	GROSS PRODUCTION EXPENSE BASE FUEL BASE AND ENERGY	\$187,765 \$153,621 \$34,143	\$388,981 \$313,832 \$75,149	\$13,518	\$687	\$47,661	\$75,837	5,060,641	9,739,184	\$0.00942		\$0.00779
6 7 8 9 10	TRANSMISSION TRANSMISSION EXTERNAL TRANSMISSOIN	\$3,349 \$70,002	\$7,371 \$143,951	\$1,326	\$67	\$4,675	\$7,438	5,060,641	9,739,184	\$0.00092		\$0.00076
11	DISTRIBUTION											
12 13	PRIMARY SUBSTATIONS	\$9,276	\$19,075	\$3,673	\$174	\$12,949	\$19,250	5,060,641	9,739,184	\$0.00256		\$0.00198
14 15	PRIMARY LINES	\$30,195	\$62,092	\$11,954	\$568	\$42,149	\$62,660	5,060,641	9,739,184	\$0.00833		\$0.00643
16 17	SECONDARY LINES	\$16,421	\$33,767	\$6,501	\$309	\$22,922	\$34,076	5,060,641	9,739,184	\$0.00453		\$0.00350
18 19	LINE TRANSFORMERS	\$5,052	\$10,388	\$2,000	\$95	\$7,052	\$10,483	5,060,641	9,739,184	\$0.00139		\$0.00108
20 21	SERVICES	\$0	\$0									
22 23	METERS	\$0	\$0									
24 25 26 27 28 29 30 31	LIGHTING REDDY-GUARD - UNMETERED REDDY-GUARD - METERED HIGHWAY, STREET, & AREA LIGHTING TOTAL LIGHTING TOTAL DIST OPERATING EXP EXPENSE	\$134,393 \$80,959 \$0 \$215,352 \$276,296	\$0 \$1,288,503 \$1,288,503 \$1,413,826	\$53,208 \$0 \$77,336	\$0 \$11,783 \$12,930	\$187,601 \$0 \$272,672	\$0 \$1,300,287 \$1,426,756	5,060,641 2,412,897	9,739,184	\$0.03707 \$0.00000	\$0.03355	\$0.00000 \$0.13351
32 33	TOT DIST EXCL SERV, METERS, & LTG	\$60,943	\$125,323			\$85,072	\$126,469					
34 35 36 37 38	CUSTOMER DISTRIBUTION CUSTOMER METER READING CUSTOMER RECORDS CUSTOMER SERVICE & INFO TOTAL CUSTOMER DISTRIBUTION	\$0 \$20,692 \$71,488 \$92,179	\$0 \$3,044 \$10,641 \$13,684	000 470	#40.004	#205.000	Φ4 5 40 000	PRODUCTION	OF OPERATING ON (1)	RATE 19 PER KWH UNMETERED \$0.00942	RATE 19 PER KWH	RATE 56 PER KWH CO OWNED \$0.00779
39 40	TOTAL CUST DIST EXCL MET READING	\$92,179	\$13,684	\$92,179	\$13,684	\$325,008	\$1,510,030	TRANSMISS	SION (2)	\$0.00092		\$0.00076
41 42	TOTAL NET OPER EXP EXPENSE (7) TOTAL NET OPER EXP EXPENSE (COS Check)	\$629,590 \$629,590	\$1,967,813					DISTRIBUT		\$0.00092		\$0.00076
43 44	,	\$405,967	\$1,510,030						ARD LIGHTING	\$0.03707	\$0.03355	\$0.00000
45 46		\$232,829	\$1,496,346						ST, & SGNL LTG		•	\$0.13351
47 48	SERVICES, METERS, MET LTG & CUST DIST	¥===,===	+ 1, 100, 010						ERATING EXP	\$0.06422	\$0.03355	\$0.15505
49 50	Notes:								charge rounded t		+1.30003	715000
51	(1) Production kWh charge excludes peak production	and base fuel ex	xpenses.						go ,oudod (
52	(2) Transmission kWh charge excludes external trans											
53 54	(3) Distribution kWh charge excludes services, meters (4) Detail Net Operating Expense (NOE) from Workpa	s, and meter rea										
55 56	(5) kWh Sales are actual consumption for these units.	. The kWh for cu			OS model in the	lighting rate but are	booked in class who	ere owned				

- - (6) Metered Unit Cost includes Net Operating Expenses associated with only metered units
 - (7) Net Operating Expense (NOE) exclude Ad Valorem Expenses

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 11B - FUNCTIONAL NET OPERATING EXPENSE DETAIL AND UNIT COSTS (CUSTOMER OWNED)

Line No.	А	B TOTAL RATE 56 STREET LTG OPER EXP	C CUST OWNED RATE 56 STREET LTG OPER EXP	E RATE 56 CUSTOMER DISTRIBUTION EXPENSE	F RATE 56 TOTAL LIGHTING NOE (4)	G RATE 56 CUST OWNED SALES KWH (5)	H RATE 56 UNIT NOE COSTS PER KWH	
1	PRODUCTION	OF LK LAF	OF LIK LAF	LAFENSE	NOL (4)	KWH (5)	FERRWII	
2	PRODUCTION EXPENSE BASE FUEL	\$445,307 \$359,275	\$56,326					
4 5 6	= BASE AND ENERGY	\$86,031	\$45,444 \$10,882	\$716	\$11,598	2,108,406	\$0.00550	
7	TRANSMISSION							
8 9 10	TRANSMISSION EXTERNAL TRANSMISSOIN	\$8,438 \$164,796	\$1,067 \$20,845	\$70	\$1,138	2,108,406	\$0.00054	
11	DISTRIBUTION							
12 13	PRIMARY SUBSTATIONS	\$21,837	\$2,762	\$182	\$2,944	2,108,406	\$0.00140	
14 15	PRIMARY LINES	\$71,083	\$8,991	\$592	\$9,583	2,108,406	\$0.00455	
16 17	SECONDARY LINES	\$38,657	\$4,890	\$322	\$5,212	2,108,406	\$0.00247	
18	LINE TRANSFORMERS	\$11,893	\$1,504	\$99	\$1,603	2,108,406	\$0.00076	
19 20	SERVICES	\$0	\$0					
21 22 23	METERS	\$0	\$0					
24	LIGHTING							
25 26	REDDY-GUARD - UNMETERED REDDY-GUARD - METERED	\$0	\$0	\$0	\$0		\$0.00000	
27	HIGHWAY, STREET, & AREA LIGHTING	\$1,288,503	\$0	\$0	\$0	2,108,406	\$0.00000	
28 29	TOTAL LIGHTING	\$1,288,503	\$0					
30	TOTAL DIST OPERATING EXP EXPENSE	\$1,431,973	\$18,147	\$1,195	\$19,342			
31 32	TOT DIST EXCL SERV, METERS, & LTG	\$143,470	\$18,147		\$19,342			
33 34	CUSTOMER DISTRIBUTION					CLIMMADY OF OD	ERATING EXP CHA	DCES
35	CUSTOMER METER READING	\$0	\$0			SUMMART OF OF	ERATING EXP CHA	RATE 56
36	CUSTOMER RECORDS	\$3,484	\$441					PER KWH
37	CUSTOMER SERVICE & INFO	\$12,181	\$1,541					CUST OWNED
38	TOTAL CUSTOMER DISTRIBUTION	\$15,666	\$1,982			PRODUCTION (1)		\$0.00550
39 40	TOTAL CUST DIST EXCL MET READING	\$15,666	\$1,982	\$1,982	\$32,078	TRANSMISSION (2	2)	\$0.00054
41	TOTAL NET OPER EXP EXPENSE (6)	\$2,066,179	\$98,366	60			•	00.0004=
42 43	TOTAL NET OPER EXP EXPENSE (Check)	\$2,066,179		\$0		DISTRIBUTION (3)		\$0.00917
44 45	TOTAL NOE EXP EXCL BASE FUEL & EXT TRANSM	\$1,542,108	\$32,078			REDDY-GUARD LI	GHTING	\$0.00000
46 47	TOTAL NOE EXCL FUEL, EXTERNAL TRANSM, SERVICES, METERS, & CUSTOMER DIST	\$1,526,442	\$30,096			HIGHWAY, ST, & S	GNL LTG	\$0.00000
48 49	PERCENT OF CUSTOMER OWNED UNITS		12.65%			TOTAL OPERATIN	G EXP	\$0.01521
50			12.03%			Note: kWh charge	rounded to 5 decima	ils.
51	Notes:							

- 52 (1) Production kWh charge excludes fuel expenses.

 - (1) Prioduction kwn charge excludes tuel expenses.
 (2) Transmission kWh charge excludes external transmission expenses.
 (3) Distribution kWh charge excludes services, meters, and meter reading expenses.
 (4) Detail Net Operating Expense (NOE) from Workpaper 4
 (5) Source: Table 13
- 53 54 55 56 57 58

 - (6) Net Operating Expense excludes Ad Valorem Expenses

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 12 - LIGHTING INSTALLED COST ESTIMATES LIGHTING SCHEDULE RESULTS FOR GROSS PLANT DERIVATION

LIGHTING SCHEDULE RESULTS FOR GROSS PLANT DERIVATION												
Line No.	A Lights - Street Light	B t and Reddy Guar	rd	С	D	E	F	G	н	1	J	к
2							30.00% Ir	stallation Adder				
	Light Fixture	Watt		Fixture Cost	Bulb Cost	Total Cost	Fixture Cost	Bulb Cost Tota	al Installed Co	st		
4	HPS		35	\$54.18	\$4.96	\$59.14	\$70.43	\$6.45	\$76.88			LEGEND
5	HPS		50	\$82.09	\$7.52	\$89.61	\$106.72	\$9.77	\$116.49		HPS	High Pressure Sodiur
6	HPS		100	\$164.18	\$15.03	\$179.21	\$213.43	\$19.54	\$232.97		MV	Mercury Vapor
7	HPS		150	\$188.38	\$14.49	\$202.87	\$244.89	\$18.84	\$263.73		MH	Metal Halide
8	HPS		250	\$328.16	\$14.77	\$342.93	\$426.61	\$19.20	\$445.81		LED	Light Emitting Diode
9	HPS		400	\$336.78	\$16.10	\$352.88	\$437.81	\$20.93	\$458.74			
10	HPS	:	250/400	\$451.54	\$16.10	\$467.64	\$587.00	\$20.93	\$607.93			
11	HPS		1000	\$677.31	\$24.15	\$701.46	\$880.50	\$31.40	\$911.90			
12												
13	MV		175	\$264.95	11.36	\$276.31	\$344.43	\$14.77	\$359.20 ED	28 Mogul Base	Э	
14	MV		250	\$287.83	\$10.05	\$297.88	\$374.17	\$13.07	\$387.24 ED	28 Mogul Base	Э	
15	MV		400	\$349.07	\$8.38	\$357.45	\$453.79	\$10.89	\$464.69 BT			
16	MV		1000	\$496.28	\$25.00	\$521.28	\$645.17	\$32.50	\$677.67 E3	9 Mogul Base	Ballast Kit \$14	18.45
17												
18	MH		175	\$368.57	\$10.72	\$379.29	\$479.14	\$13.94	\$493.08			
19	MH	:	250/400	\$393.58	\$15.32	\$408.90	\$511.65	\$19.92	\$531.57			
20	MH		400	\$445.23	\$14.12	\$459.35	\$578.80	\$18.36	\$597.16			
21	MH		1000	\$1,064.76	\$34.39	\$1,099.15	\$1,384.19	\$44.71	\$1,428.90			
22												
23												
24												
25 26	Luminaira (4)	Watt		Luminaire Cost	Eve	Crew with	Total Installed Cos					
27	Luminaire (1)	wall	40		Eye			ı				
28	LED C LED C		42 55	\$156.06 \$156.06	\$12.88 \$12.88	\$79.15 \$79.15	\$248.09 \$248.09					
29	LEDI		60	\$158.12	\$12.88	\$79.15 \$79.15	\$250.15					
30	LEDI		66	\$158.12	\$12.88	\$79.15	\$250.15					
31	LED D		73	\$158.12	\$12.88	\$79.15	\$250.15					
32	LED E		93	\$198.80	\$12.88	\$79.15	\$290.83					
33	LED F		126	\$247.35	\$12.88	\$79.15	\$339.38					
34	LED F Flood		130	\$405.51	\$12.88	\$79.15	\$497.54					
35	LED J		189	\$386.70	\$12.88		\$79.15 \$478.73					
36	LED J Flood		191	\$759.12	\$12.88	\$79.15	\$851.15					
37	LED M		319	\$849.81	\$12.88	\$79.15	\$941.84					
38												
39	Notes											
40	(1) Luminaires includ	le lamp, photovolta	aic electri	ic relay (PER), and p	hotocell,	A complete lighting ι	ınit consisting of ligh	nt emitting diode (LE	D)-based light	emitting elemen	nts and a match	ed driver together with
41 42												
43 44												
	Poles	_		o:								
46		Type		Size (Feet)	2022 Pole Cost	Installation Cost		Brack	et/Support			
47		Wood		Class 4 / 30'	\$330	\$317	\$647		\$152.89			
48		Wood Wood		Class 4 / 35' Class 2 / 40'	\$422 \$708	\$317 \$317	\$738		\$152.89			
49 50		Wood		Class 2 / 40'	\$708 \$862	\$317 \$317	\$1,025 \$1,179		\$152.89 \$152.89			
51		Wood		Class 2 / 45	\$602	φυιτ	φ1,179		\$152.69			
52		Aluminum		Blk Anodized 20'	\$1,579	\$317	\$1,895		\$152.89			
53 54		Distribution Pole		same as above	\$422	\$317	\$738		\$152.89			
55												
56	D											
	Brackets/Support		E1	2022 04	Installed Cook							
58			Feet	2022 Cost	Installed Cost							
59			4	\$58.81	\$76.45 \$114.67							
60 61			6 8	\$88.21 \$117.61	\$114.67 \$152.89							
62			10	\$117.61 \$243.04	\$315.95							
63			10	\$243.04	ф3 I D. 95							
64												
	Crew			2022 Rates								
	1.2 hours per light X	Journeyman loade	ed capita	\$79.15								
67		,										
68												

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 13 - KWH SALES AND UNIT COUNT

Line	Α	D	G
No.	Rate Class (1)	kWh (Meter)	Average Annual Customers
1	10 - Residential Basic	395,117,244	39,134
2	11 - Residential w/Sp Htg	184,884,645	10,896
3	14 - Residential Sp Htg & Cooling	14,804,756	1,032
4	15 - Residential Dual-Fuel	88,752	7
5	16,18 - Irrigation Interruptible Service	2,645,297	68
6	17 - Irrigation Service	358,611	16
7	21 - Commercial Gen Serv	73,224,645	8,763
8	23 - Commercial Sep Mtr Space Htg	566,638	59
9	24 - Commercial Sp Htg & Cooling	42,249,519	586
10	25 - Commercial All-Inclusive Comm	40,430,746	802
11	33 - Commercial & Industrial	161,418,897	2,095
12	34 - Comercial & Industrial Large	788,770,509	488
13	41 - Municipal Pumping	7,274,425	274
14	19 - Reddy-Guard Lighting	5,041,019	3,363
15	56 - Highway, Street, & Area Lighting	11,867,293	142
16	70 - Controlled Off-Peak	834,798	<u>6</u>
17	Total SD	1,729,577,794	67,730
18			
19			
20			

21	
22	
23	

4 5 6	kWh Source: Table 7	Unmetered kWh	Estimated Metered kWh	Total kWh	Total CP	Total Non CP	cos
27	19 - Reddy-Guard Lighting	KVVII	KVIII	KVIII	O,	Non Oi	
8	Input	5,060,641		5,060,641			
9	Mercury Vapor	1,633,437	847,167	.,,.			
0	Other	3,427,204	1,565,730				
1	Total Reddy-Guard Lighting	5,060,641		5,060,641	297	1,324	5,041,019 Does not inclu
3							19,622
4		Co Owned kWh	Cust Owned kWh				
6	56 - Highway, Street, & Area Lightin	ng					
7	Input	9,739,184	2,108,406	11,847,590			
8	Mercury Vapor	3,210,282	22,047	3,232,328			
9	Other	6,528,902	2,086,359	8,615,261			
10	Total Highway, Street, & Area Lig	9,739,184	2,108,406	11,847,590	749	3,117	11,867,293
1							Includes U30-
2	Total Lighting						(19,703)
3	Input	14,799,825	2,108,406	16,908,231			
4	Total Lighting	14,799,825	2,108,406	16,908,231			
5 6	Total Unmetered kWh			16,908,231			16,908,312
7	Total Offinetered KWII			10,900,231			10,900,312
8							
8							
9	Annual Number of Units	Co Owned	Cust Owned	Total			Avg # of Cust
0	Source: Table 7	EOY Units	EOY Units	EOY Units			cos
1	19 - Reddy-Guard Lighting	6,932		6,932			3,363
2	56 - Highway, Street, & Area Ligh	9,910	1,435	11,345			142
3	Total Lighting	16,842	1,435	18,277			3,505
54							
55 56							
57							
58	Notes:						
59	(1) Source file "TY2022 Adjusted N	WE SD Elec Er	mbedded ACOS	Rev @ 06-09-23	s.xls"		
30	(·/			@			

0					
9	Annual Number of Units	Co Owned	Cust Owned	Total	Avg # of Cust
0	Source: Table 7	EOY Units	EOY Units	EOY Units	cos
1	19 - Reddy-Guard Lighting	6,932		6,932	3,363
2	56 - Highway, Street, & Area Ligh	9,910	1,435	11,345	142
3	Total Lighting	16,842	1,435	18,277	3,505
4					

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE 14 - LIGHT-EMITTING DIODE (LED) RATE DEVELOPMENT LAMPS: 120-240 VOLTS

Line									-				
No.	Α	В	С	D	E	F	G	н	ı	J	K	L	М
1	PLANT INVESTMENT				4042.9							TOTAL	LUMINAIRE
2		LIFE			BURNING HRS					EFFECTIVE	7.54%	EFFECTIVE	MONTHLY
3	E	XPECTANCY				LUMINAIRE	EYE	INSTALL	EQUIPMENT	ACCRURAL	EFFECTIVE	RATE	INVESTMENT
	LIGHT USE	YEARS	WATTS		KWH/MO	COST \$	COST \$	COST \$	INVEST \$	RATE	ROR	col J + col K	DOLLARS
5													
6		00	40		44.45	#040.00	640.00	670.45	004040	E 050/	9.54%	44.000/	04.44
7 8	LED C LED C	20 20	42 55		14.15 18.53	\$248.09 \$248.09	\$12.88 \$12.88	\$79.15 \$79.15	\$340.12 \$340.12	5.05% 5.05%	9.54% 9.54%	14.60% 14.60%	\$4.14 \$4.14
9	LED C	20	60		20.21	\$250.15	\$12.88	\$79.15	\$340.12	5.05%	9.54%	14.60%	\$4.14 \$4.16
10	LED I	20	66		22.24	\$250.15	\$12.88	\$79.15	\$342.18	5.05%	9.54%	14.60%	\$4.16
11	LED D	20	73		24.59	\$250.15	\$12.88	\$79.15	\$342.18	5.05%	9.54%	14.60%	\$4.16
12	LED E	20	93		31.33	\$290.83	\$12.88	\$79.15	\$382.86	5.05%	9.54%	14.60%	\$4.66
13	LED F	20	126		42.45	\$339.38	\$12.88	\$79.15	\$431.41	5.05%	9.54%	14.60%	\$5.25
14	LED F Flood	20	126		42.45	\$497.54	\$12.88	\$79.15	\$589.57	5.05%	9.54%	14.60%	\$7.17
15	LED J	20	189		63.68	\$478.73	\$12.88	\$79.15	\$570.76	5.05%	9.54%	14.60%	\$6.94
16	LED J Flood	20	189		63.68	\$851.15	\$12.88	\$79.15	\$943.18	5.05%	9.54%	14.60%	\$11.47
17	LED M	20	319		107.47	\$941.84	\$12.88	\$79.15	\$1,033.87	5.05%	9.54%	14.60%	\$12.58
18 19	Rate 56 (2)												
20	LED C	20	42		14.15	\$248.09	\$12.88	\$79.15	\$340.12	5.05%	9.54%	14.60%	\$4.14
21	LED C	20	55		18.53	\$248.09	\$12.88	\$79.15	\$340.12	5.05%	9.54%	14.60%	\$4.14
22	LED I	20	60		20.21	\$250.15	\$12.88	\$79.15	\$342.18	5.05%	9.54%	14.60%	\$4.16
23	LED I	20	66		22.24	\$250.15	\$12.88	\$79.15	\$342.18	5.05%	9.54%	14.60%	\$4.16
24	LED D	20	73		24.59	\$250.15	\$12.88	\$79.15	\$342.18	5.05%	9.54%	14.60%	\$4.16
25	LED E	20	93		31.33	\$290.83	\$12.88	\$79.15	\$382.86	5.05%	9.54%	14.60%	\$4.66
26	LED F	20	126		42.45	\$339.38	\$12.88	\$79.15	\$431.41	5.05%	9.54%	14.60%	\$5.25
27	LED J	20	189		63.68	\$478.73	\$12.88	\$79.15	\$570.76	5.05%	9.54%	14.60%	\$6.94
28	LED M	20	319		107.47	\$941.84	\$12.88	\$79.15	\$1,033.87	5.05%	9.54%	14.60%	\$12.58
29													
30													
31	N	0	В	0	P	e	т		v	w	v	v	7
31 32	N PI ANT AND EXPENSI	O F ADDERS	P	Q	R	s	т	U	v	w	x	Υ	z
31 32 33	N PLANT AND EXPENSI		P	_			т	U	-			•	
31 32 33 34			P	_	R / OWNED / ME TOTAL		T TOTAL	U	С	USTOMER OWNE		•	
31 32 33			P PLANT	COMPANY	OWNED / ME	TERED		U	С		D / COMPANY OV	VNED UNMETER	ED
31 32 33 34 35 36 37			•	COMPAN' NET OPERATING	OWNED / ME TOTAL	TERED ADDERS	TOTAL	U	C	USTOMER OWNE	D / COMPANY OV TOTAL	VNED UNMETER ADDERS \$/MONTH	ED TOTAL \$/MONTH col Y + col M (1)
31 32 33 34 35 36 37 38	PLANT AND EXPENSE	E ADDERS	PLANT	COMPAN' NET OPERATING EXPENSE	OWNED / ME TOTAL ADDERS	TERED ADDERS \$/MONTH	TOTAL \$/MONTH	U	C N PLANT	USTOMER OWNE NET OPERATING EXPENSE	D / COMPANY OV TOTAL ADDERS	VNED UNMETER ADDERS \$/MONTH	ED TOTAL \$/MONTH
31 32 33 34 35 36 37 38 39	PLANT AND EXPENSE LIGHT USE Rate 19 (1)	E ADDERS WATTS	PLANT	COMPANY NET OPERATING EXPENSE ADDER (4),(5)	OWNED / ME TOTAL ADDERS PER kWh	TERED ADDERS \$/MONTH col R * col E	TOTAL \$/MONTH col S + col M	U	C PLANT ADDER (6)	USTOMER OWNE NET OPERATING EXPENSE ADDER (7)	D / COMPANY OV TOTAL ADDERS PER kWh	VNED UNMETER ADDERS \$/MONTH col X * col E	TOTAL \$/MONTH col Y + col M (1) col Y (2)
31 32 33 34 35 36 37 38 39	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C	E ADDERS WATTS	PLANT	COMPANY NET OPERATING EXPENSE ADDER (4),(5) \$0.03355	OWNED / ME TOTAL ADDERS PER kWh \$0.03355	TERED ADDERS \$/MONTH col R * col E	TOTAL \$/MONTH col S + col M	U	PLANT ADDER (6)	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422	D / COMPANY OV TOTAL ADDERS PER kWh	VNED UNMETER ADDERS \$/MONTH col X * col E	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39
31 32 33 34 35 36 37 38 39 40	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED C	E ADDERS WATTS 42 55	PLANT	COMPANI NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355	OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355	TERED ADDERS \$/MONTH col R * col E \$0.47477 \$0.62173	TOTAL \$/MONTH col S + col M \$4.61 \$4.76	U	PLANT ADDER (6) \$0.02410 \$0.02410	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832	VNED UNMETER ADDERS \$/MONTH col X * col E \$1.25 \$1.64	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77
31 32 33 34 35 36 37 38 39 40 41 42	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED C LED I	WATTS 42 55 60	PLANT	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355	OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355	TERED ADDERS \$/MONTH col R * col E \$0.47477 \$0.62173 \$0.67825	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422 \$0.06422	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832	VNED UNMETER ADDERS \$/MONTH col X * col E \$1.25 \$1.64 \$1.79	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95
31 32 33 34 35 36 37 38 39 40 41 42 43	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED C LED I LED I	E ADDERS WATTS 42 55 60 66	PLANT	COMPANI NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355	OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355	**TERED ADDERS \$/MONTH COL R * COL E ** \$0.47477 \$0.62173 \$0.67825 \$0.74607	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422 \$0.06422	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832	VNED UNMETER ADDERS \$/MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13
31 32 33 34 35 36 37 38 39 40 41 42 43	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED C LED I LED I LED I LED D	WATTS 42 55 60 66 73	PLANT	COMPANI NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355	OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355	TERED ADDERS \$/MONTH col R * col E \$0.47477 \$0.62173 \$0.67825 \$0.74807 \$0.82520	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$4.99	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422 \$0.06422 \$0.06422	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832	VNED UNMETER ADDERS \$/MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33
31 32 33 34 35 36 37 38 39 40 41 42 43	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED C LED I LED I	E ADDERS WATTS 42 55 60 66	PLANT	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	TERED ADDERS \$MONTH col R * col E \$0.47477 \$0.62173 \$0.67825 \$0.74607 \$0.82520 \$1.05129	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$4.99 \$5.71	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832	VNED UNMETER ADDERS \$/MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42
31 32 33 34 35 36 37 38 39 40 41 42 43 44	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED C LED I LED I LED D LED D	WATTS 42 55 60 66 73 93	PLANT	COMPANI NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355	OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355	TERED ADDERS \$/MONTH col R * col E \$0.47477 \$0.62173 \$0.67825 \$0.74807 \$0.82520	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$4.99	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422 \$0.06422 \$0.06422	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832	VNED UNMETER ADDERS \$/MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	PLANT AND EXPENSE LIGHT USE Rate 19 (1) LED C LED C LED I LED I LED D LED B LED E LED F	WATTS 42 55 60 66 73 93 126	PLANT	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	(OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	ADDERS \$MONTH col R * col E \$0.47477 \$0.62173 \$0.67825 \$0.74607 \$0.82520 \$1.05129 \$1.42432	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$4.99 \$5.71 \$6.67	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832	VNED UNMETER ADDERS \$MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77 \$3.75	ED TOTAL \$MMONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42 \$9.00
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED C LED I LED I LED B LED E LED F LED F Flood LED J LED J Flood	WATTS 42 55 60 66 73 93 126 126 189 189	PLANT	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	ADDERS \$MONTH col R * col E \$0.47477 \$0.62173 \$0.67825 \$0.74607 \$0.82520 \$1.05129 \$1.42432 \$1.42432 \$2.13648	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$4.99 \$5.71 \$6.67 \$8.60 \$9.08	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832	VNED UNMETER ADDERS \$MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77 \$3.75 \$3.75 \$3.75 \$5.62 \$5.62	ED TOTAL \$MMONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42 \$9.00 \$10.92 \$12.57 \$17.10
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED C LED I LED I LED D LED E LED F LED F Flood LED J	WATTS 42 55 60 66 73 93 126 126 128	PLANT	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	(OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	**SUBSTREET** **ADDERS **S/MONTH col R * col E ** **SUBSTREET**	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$4.99 \$5.71 \$6.67 \$8.60 \$9.08	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832	VNED UNMETER ADDERS \$/MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77 \$3.75 \$3.75 \$5.62	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42 \$9.00 \$10.92 \$12.57
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED C LED I LED I LED D LED E LED F LED F LED F Flood LED J LED J Flood LED M	WATTS 42 55 60 66 73 93 126 126 189 189	PLANT	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	ADDERS \$MONTH col R * col E \$0.47477 \$0.62173 \$0.67825 \$0.74607 \$0.82520 \$1.05129 \$1.42432 \$1.42432 \$2.13648	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$4.99 \$5.71 \$6.67 \$8.60 \$9.08	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832	VNED UNMETER ADDERS \$MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77 \$3.75 \$3.75 \$3.75 \$5.62 \$5.62	ED TOTAL \$MMONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42 \$9.00 \$10.92 \$12.57 \$17.10
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 50 51 52	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED I LED I LED I LED E LED F LED F LED F Flood LED J LED J Flood LED J RED J Flood Rate 56 (2)	### ADDERS WATTS 42 55 60 66 73 93 126 126 189 319	PLANT ADDER (3)	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	ADDERS \$/MONTH col R * col E \$0.47477 \$0.62173 \$0.67825 \$0.74607 \$0.82520 \$1.05129 \$1.42432 \$1.42432 \$2.13648 \$2.13648 \$3.60602	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$5.77 \$6.67 \$8.60 \$9.08 \$13.61 \$16.18	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422	D / COMPANY OV TOTAL ADDERS PER kWh 30.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832	VNED UNMETER ADDERS \$MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77 \$3.75 \$3.75 \$5.62 \$5.62 \$9.49	ED TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42 \$9.00 \$10.92 \$12.57 \$17.10 \$22.07
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 50 51 51 52 53	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED C LED I LED I LED D LED E LED F LED F LED F Flood LED J LED J Flood LED M Rate 56 (2) LED C	### ADDERS WATTS 42 55 60 66 73 93 126 128 189 189 319 42	PLANT ADDER (3)	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.0355 \$0.0355	(OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	**SUMPLY** **ADDERS ***S/MONTH col R * col E ** **SUMPLY** **SUMPLY**SUMPLY** **SU	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$4.99 \$5.71 \$6.67 \$8.60 \$9.08 \$13.61 \$16.18	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832	VNED UNMETER ADDERS \$/MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77 \$3.75 \$3.75 \$5.62 \$5.62 \$9.49	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42 \$9.00 \$10.92 \$12.57 \$17.10 \$22.07
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 50 51 52 53 53 54	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED C LED I LED I LED B LED F LED F Flood LED J LED J Flood LED M Rate 56 (2) LED C LED C	### ADDERS WATTS 42 55 60 66 73 93 126 126 128 189 319 42 55	PLANT ADDER (3) \$0.04233 \$0.04233	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.0355 \$0.0355	(OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	\$0.47477 \$0.62173 \$0.67825 \$0.74607 \$0.8252 \$0.74607 \$0.82520 \$1.05129 \$1.42432 \$1.42432 \$2.13648 \$2.13648 \$3.60602	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$4.99 \$5.71 \$6.67 \$8.60 \$9.08 \$13.61 \$16.18	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410	SOURCE OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.01521 \$0.01521	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832	VNED UNMETER ADDERS \$/MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77 \$3.75 \$3.75 \$3.75 \$5.62 \$5.62 \$9.49 \$0.81 \$1.07	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42 \$9.00 \$10.92 \$12.57 \$17.10 \$22.07
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 50 51 52 53 54 55	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED I LED I LED B LED E LED F LED F Flood LED J LED J Flood LED J LED D LED UED J LED C LED C LED C LED C LED C	### ADDERS WATTS 42 55 60 66 73 93 126 189 319 42 55 60	PLANT ADDER (3) \$0.04233 \$0.04233 \$0.04233	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355	OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	ADDERS \$/MONTH col R * col E \$0.47477 \$0.62173 \$0.67825 \$0.74607 \$0.82520 \$1.05129 \$1.42432 \$1.42432 \$2.13648 \$2.13648 \$3.60602	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$5.771 \$6.67 \$8.60 \$9.08 \$13.61 \$16.18	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410	\$0.06422 \$0.06422	D / COMPANY OV TOTAL ADDERS PER kWh 30.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832	VNED UNMETER ADDERS \$MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77 \$3.75 \$3.75 \$5.62 \$5.62 \$9.49	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42 \$9.00 \$10.92 \$12.57 \$17.10 \$22.07
311 322 333 344 355 366 377 388 40 411 422 464 474 485 500 511 525 533 544 555 566	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED C LED I LED I LED D LED E LED F LED F LED F Flood LED J LED J Flood LED M Rate 56 (2) LED C LED C LED C LED C LED I LED I	### ADDERS WATTS 42 55 60 66 73 93 126 128 189 189 319 42 55 60 66 66	PLANT ADDER (3) \$0.04233 \$0.04233 \$0.04233 \$0.04233	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355	(OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	\$0.47477 \$0.62173 \$0.67825 \$0.74607 \$0.82520 \$1.05129 \$1.42432 \$2.13648 \$2.13648 \$3.60602	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$5.71 \$6.67 \$8.60 \$9.08 \$13.61 \$16.18	U	PLANT ADDER (6) \$0.02410	SOURCE OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832	VNED UNMETER ADDERS \$/MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77 \$3.75 \$3.75 \$5.62 \$5.62 \$5.62 \$9.49 \$0.81 \$1.07 \$1.16 \$1.28	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42 \$9.00 \$10.92 \$12.57 \$17.10 \$22.07
31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 44 47 48 49 50 51 51 52 53 54 55 56 56 57 57 57 57 57 57 57 57 57 57 57 57 57	PLANT AND EXPENSE LIGHT USE Rate 19 (1) LED C LED I LED I LED B LED F LED F Flood LED J LED J Flood LED D LED C LED D	### ADDERS WATTS 42 55 60 66 73 93 126 126 189 319 42 55 60 66 73 73	PLANT ADDER (3) \$0.04233 \$0.04233 \$0.04233 \$0.04233 \$0.04233	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355	OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	ADDERS \$MONTH col R * col E \$0.47477 \$0.62173 \$0.67825 \$0.74607 \$0.82520 \$1.05129 \$1.42432 \$1.42432 \$1.42432 \$2.13648 \$2.13648 \$3.60602 \$0.90377 \$1.18351 \$1.29110 \$1.42021 \$1.57084	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$4.99 \$5.71 \$6.67 \$8.60 \$9.86 \$13.61 \$16.18	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08554 \$0.05754 \$0.05754 \$0.05754	VNED UNMETER ADDERS \$MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77 \$3.75 \$3.75 \$5.62 \$9.49 \$0.81 \$1.07 \$1.16 \$1.28 \$1.42	TOTAL \$MMONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42 \$9.00 \$10.92 \$12.57 \$17.10 \$22.07
311 322 333 344 355 366 377 388 40 411 422 464 474 485 500 511 525 533 544 555 566	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED C LED I LED I LED D LED E LED F LED F LED F Flood LED J LED J Flood LED M Rate 56 (2) LED C LED C LED C LED C LED I LED I	### ADDERS WATTS 42 55 60 66 73 93 126 128 189 189 319 42 55 60 66 66	PLANT ADDER (3) \$0.04233 \$0.04233 \$0.04233 \$0.04233 \$0.04233 \$0.04233	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.02154 \$0.02154 \$0.02154 \$0.02154 \$0.02154	(OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	ADDERS \$/MONTH col R * col E \$0.47477 \$0.62173 \$0.67825 \$0.74607 \$0.82520 \$1.05129 \$1.42432 \$1.42432 \$2.13648 \$2.13648 \$2.13648 \$3.60602 \$0.90377 \$1.18351 \$1.29110 \$1.42021 \$1.42021 \$1.57084	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$5.71 \$6.67 \$8.60 \$9.08 \$13.61 \$16.18	U	PLANT ADDER (6) \$0.02410	STOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06521 \$0.01521 \$0.01521 \$0.01521	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08834 \$0.08754 \$0.05754 \$0.05754 \$0.05754 \$0.05754	VNED UNMETER ADDERS \$/MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77 \$3.75 \$3.75 \$5.62 \$5.62 \$5.62 \$9.49 \$0.81 \$1.07 \$1.16 \$1.28	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42 \$9.00 \$10.92 \$12.57 \$17.10 \$22.07
311 322 333 344 355 366 377 388 399 400 411 422 433 444 455 505 515 525 536 557 558	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED I LED LED I LED B LED F LED F Flood LED J LED J Flood LED M Rate 56 (2) LED C LED C LED I LED I LED C LED I LED I LED D LED C LED I LED I LED I LED I LED D LED E	### ADDERS WATTS 42 55 60 66 73 93 126 129 189 319 42 55 60 66 73 93 93 93 93 93 93 93	PLANT ADDER (3) \$0.04233 \$0.04233 \$0.04233 \$0.04233 \$0.04233	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355	OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	ADDERS \$MONTH col R * col E \$0.47477 \$0.62173 \$0.67825 \$0.74607 \$0.82520 \$1.05129 \$1.42432 \$1.42432 \$1.42432 \$2.13648 \$2.13648 \$3.60602 \$0.90377 \$1.18351 \$1.29110 \$1.42021 \$1.57084	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$4.99 \$5.71 \$6.67 \$8.60 \$9.86 \$13.61 \$16.18	U	PLANT ADDER (6) \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410 \$0.02410	USTOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08554 \$0.05754 \$0.05754 \$0.05754	VNED UNMETER ADDERS \$MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77 \$3.75 \$3.75 \$5.62 \$5.62 \$5.62 \$9.49 \$0.81 \$1.07 \$1.16 \$1.28 \$1.42 \$1.80	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42 \$9.00 \$10.92 \$12.57 \$17.10 \$22.07
311 322 333 344 355 366 377 388 399 400 411 422 433 446 447 50 515 55 56 57 57 58 59 59 59 59 59 59 59 59 59 59 59 59 59	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED C LED I LED D LED E LED F LED F Flood LED J Flood LED M Rate 56 (2) LED C LED D	### ADDERS WATTS 42 45 60 66 73 93 126 189 319 42 55 60 66 73 93 125 126	\$0.04233 \$0.04233 \$0.04233 \$0.04233 \$0.04233 \$0.04233 \$0.04233 \$0.04233	COMPANY NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.0355 \$0.02154 \$0.02154 \$0.02154 \$0.02154 \$0.02154 \$0.02154 \$0.02154	(OWNED / ME TOTAL ADDERS PER kWh \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355	\$0.47477 \$0.62173 \$0.67825 \$0.74607 \$0.82520 \$1.05129 \$1.42432 \$2.13648 \$2.13648 \$3.60602 \$0.90377 \$1.18351 \$1.29110 \$1.42021 \$1.42432 \$2.13648 \$2.	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$5.71 \$6.67 \$8.60 \$9.08 \$13.61 \$16.18	U	PLANT ADDER (6) \$0.02410	STOMER OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06422 \$0.06521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08754 \$0.05754 \$0.05754 \$0.05754 \$0.05754 \$0.05754 \$0.05754 \$0.05754 \$0.05754	VNED UNMETER ADDERS \$/MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77 \$3.75 \$3.75 \$5.62 \$5.62 \$5.62 \$9.49 \$0.81 \$1.07 \$1.16 \$1.28 \$1.42 \$1.80 \$2.44	TOTAL \$/MONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42 \$9.00 \$10.92 \$12.57 \$17.10 \$22.07
311 322 333 344 355 366 377 388 399 40 411 424 434 445 551 561 575 585 596 60	PLANT AND EXPENSION LIGHT USE Rate 19 (1) LED C LED I LED D LED E LED F LED F Flood LED J J Flood LED J J Flood LED D LED C LED D LED D	### ADDERS WATTS 42 55 60 66 73 93 126 128 189 319 42 55 60 66 73 93 126 189 189 189 189 189 189	PLANT ADDER (3) \$0.04233 \$0.04233 \$0.04233 \$0.04233 \$0.04233 \$0.04233 \$0.04233 \$0.04233	COMPAN' NET OPERATING EXPENSE ADDER (4),(5) \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.03355 \$0.0355	VOWNED / ME TOTAL ADDERS PER kWh \$0.03355	ADDERS \$MONTH col R * col E \$0.47477 \$0.62173 \$0.67825 \$0.74607 \$0.82520 \$1.05129 \$1.42432 \$1.42432 \$1.42432 \$2.13648 \$2.13648 \$2.13648 \$1.18351 \$1.29110 \$1.42021 \$1.57084 \$2.00121 \$2.00121 \$2.0121 \$2.0121 \$2.0121 \$4.06697	TOTAL \$/MONTH col S + col M \$4.61 \$4.76 \$4.84 \$4.91 \$5.77 \$6.67 \$8.60 \$9.08 \$13.61 \$16.18 \$5.04 \$5.32 \$5.573 \$6.66 \$7.96 \$7.96	U	PLANT ADDER (6) \$0.02410	SOURCE OWNE NET OPERATING EXPENSE ADDER (7) \$0.06422 \$0.06521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521 \$0.01521	D / COMPANY OV TOTAL ADDERS PER kWh \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.08832 \$0.085754 \$0.05754 \$0.05754 \$0.05754 \$0.05754 \$0.05754 \$0.05754 \$0.05754 \$0.05754 \$0.05754 \$0.05754 \$0.05754 \$0.05754 \$0.05754 \$0.05754	VNED UNMETER ADDERS \$MONTH col X * col E \$1.25 \$1.64 \$1.79 \$1.96 \$2.17 \$2.77 \$3.75 \$3.75 \$5.62 \$5.62 \$9.49 \$0.81 \$1.16 \$1.28 \$1.16 \$1.28 \$1.16 \$1.28 \$1.16 \$1.28 \$1.16 \$1.28 \$1.16 \$1.28 \$1.16 \$1.28 \$1.16 \$1.28 \$1.16 \$1.28 \$1.16 \$1.28 \$1.16 \$1.16 \$1.16 \$1.16 \$1.18 \$	TOTAL \$MMONTH col Y + col M (1) col Y (2) \$5.39 \$5.77 \$5.95 \$6.13 \$6.33 \$7.42 \$9.00 \$10.92 \$12.57 \$17.10 \$22.07

Notes

- 63 64 65 66 67 68 69 70 71 72
 - otes
 (1) Rate 19 Ready Guard Compatible
 (2) Rate 56 Company or Customer Owned Highway, Street and Area Lighting Systems Compatible
 (3) Adders for Plant Investment exclude peak production, services, meters, and lighting, Table 8. Not applicable to Rate 19 compatible LED lights
 (4) Net Operating Expenses ander for Rate 56 compatible units exclude peak production, fiel, services, meters, meter reading and lighting expenses (Table 8)
 Net Operating Expenses are calculated using Total Operating Expense less Other Operating Revenue and Wholesale Revenue
 (5) Net Operating Expense adders for Rate 19 compatible units include only lighting related expenses
 (6) Plant adder includes only production, transmission, and distribution investment, as shown on Table 8
 (7) Net Operating Expenses include only production, transmission, and distribtion for Rate 56 compatible units and PTD and lighting expense for Rate 19 compatible, Table 8

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE WP 1 - SYSTEM OVERALL REVENUE REQUIREMENT DETAILS

Line No.		PRESENT	BASE INCREASE	PROPOSED
1	GROSS PLANT	\$19,519,156		\$19,519,156
3	TOTAL SALES RATE REVENUES EXCL FUEL (1)	\$119,514,621	25.83%	\$150,388,295
4 5	O&M EXCL FUEL	\$87,929,366		\$87,929,366
6 7 8	BASE REV W/O O&M	\$31,585,255		\$62,458,930
9	BASE REV TO GROSS PLANT	\$1.61817		\$3.19988
	TOTAL REVENUE TO GROSS PLANT	\$6.12294		\$7.70465
16 17 18 19	DEVIEW			
23 24 25 26	REVIEW RATE REVENUE FROM COST OF SERVICE MODEL LIGHTING RATE 19 REVENUE LIGHTING RATE 56 REVENUE TOTAL LIGHTING REVENUE	CURRENT \$570,629 \$1,401,401 \$1,972,030	INCREASE (5) \$125,277 \$304,644 \$429,921	PROPOSED \$695,906 \$1,706,045 \$2,401,951
29 30 31	PRESENT RATE REVENUE WITHIN LIGHTING STUDY (2) LIGHTING RATE 19 REVENUE (3) LIGHTING RATE 56 REVENUE (4) Rate U30 - STKLR (Kaylor Cust Owned) TOTAL LIGHTING REVENUE	\$572,560 \$1,397,779 \$1,635 \$1,971,974 (\$56)	Caclculated \$123,346 \$308,266 \$431,612	\$695,906 \$1,706,045 \$2,401,951
35 36 37	RATE REVENUE CALCULATED WITH NEW RATES LIGHTING RATE 19 REVENUE LIGHTING RATE 56 REVENUE TOTAL LIGHTING REVENUE		\$125,279 \$304,645 \$429,924	\$695,908 \$1,706,046 \$2,401,954
46	LIGHTING REVENUE DIFFERENCE (Line 25-Line 38) Notes: (1) Source for current and proposed rate revenue from file "TY202"			
48 49	 (2) Source current rate revenues and kWh from Table 7 files "DG" (3) Source for calculated proposed rate revenue from Tables 1, 2 (4) Source for calculated proposed rate revenue from Tables 4, ar (5) Source for Revenue Increase is Row 74 of the Rate Moderation 	and 3. nd 5.	tial", "DG1 U20 Reddy	- Commercial", and "DG1 U(

							No \$0.020290	ovember 2022 RATE \$0.003410	\$0.009130	\$0.032830		2022	2022
Line No.		Rev Code	Watts/Hour	Monthly kWh per Unit	Company Owned Rate (Present Rate)	Customer Owned Rate (Present Rate)	Cost of Fuel	Ad Valorem	Transm. By Others	Co Own Unit Rate Per Month with Fuel, Ad Valorem, Transm	Cust Owned Unit Rate Per Month with Fuel, Ad Valorem, Transm	End of Year Number of Units	Annual kWh
1	RATE 19 - REDDY GUARD												
3													
4	4005 LIDO OF WATE 44 104 114 10	HPS					00 005 100	00.047000	00 400 400	** ***			_
5		RR001	42	14.07	\$4.000		\$0.285480	\$0.047980	\$0.128460	\$4.46192		0	0
6 7		RR002 RR003	59 148	19.77 49.58	\$4.150 \$7.430		\$0.401030 \$1.005980	\$0.067400	\$0.180450 \$0.452670	\$4.79888 \$9.05772		2 130	554 104.185
8		RR004	208	49.56 69.68	\$7.430		\$1.413810	\$0.169070 \$0.237610	\$0.636180	\$10.03760		352	411.324
9		RR005	322	107.87	\$10.960		\$2.188680	\$0.367840	\$0.984850	\$14.50137		352 44	66,751
	46800 HPS 400 WATT - 166 KWH/MO		496	166.16	\$10.960		\$3.371390	\$0.566610	\$1.517040	\$18.39504		15	32,164
11			1164	389.94	\$12.940		\$7.911880	\$1.329700	\$3.560150	\$39.87173		0	32,104
12		Mercury Va		303.34	421.010		91.911000	₩1.329700	ψ5.300130	ψυσ.01113		•	•
13		RR010	216	72.36	\$4.920		\$1.468180	\$0.246750	\$0.660650	\$7.29558		642	800,865
14	12500 MV 250 WATT - 101 KWH/MO	RR011	301	100.84	\$6.240		\$2.045940	\$0.343850	\$0.920620	\$9.55041		14	19,767
15	20000 MV 400 WATT - 159 KWH/MO	RR012	474	158.79	\$9.260		\$3.221850	\$0.541470	\$1.449750	\$14.47307		0	0
16	50000 MV 1000 WATT - 380 KWH/MO	RR013	1135	380.23	\$17.560		\$7.714770	\$1.296570	\$3.471450	\$30.04279		0	0
17		Metal Halid											
18		RR014	205	68.68	\$5.050		\$1.393420	\$0.234180	\$0.627000	\$7.30460		0	81
19		RR015	290	97.15	\$6.430		\$1.971170	\$0.331280	\$0.886980	\$9.61943		4	5,313
20		RR016	458	153.43	\$9.430		\$3.113090	\$0.523200	\$1.400820	\$14.46711		3	7,830
21	LED - 60	RR026	60	20.10	\$8,880		\$0.407830	\$0.068540	\$0.183510	\$9.53988		686	29.897
	LED - 60	RR030	66	20.10	\$9.768		\$0.448610	\$0.075400	\$0.201860	\$10.49387		1	29,697
	LED - 66 LED - 73	RR035	73	24.46	\$9.766		\$0.446610	\$0.075400	\$0.223270	\$10.49367		6	1,158
	LED - 126	RR060	126	42.21	\$13.608		\$0.856440	\$0.143940	\$0.385380	\$14.99376		5	416
	LED - 189	RR070	189	63.32	\$20.412		\$1.284660	\$0.215900	\$0.578070	\$22.49063		4	330
27		111070	103	03.32	\$20.412		\$1.204000	90.210000	ψ0.5/00/0	Ψ22.43003		7	550
28													
29													
30	Rate U10 - Reddy-Guard - Residential I												
31		HPS											
32		RR100	42	14.07		\$3.63				\$3.63		0	0
33		RR101	59	19.77		\$3.63				\$3.63		5	1,186
34		RR102	148	49.58		\$5.00				\$5.00		44	26,178
35		RR103	208	69.68		\$5.88				\$5.88		263	219,910
36			322	107.87		\$7.64				\$7.64		6	7,767
37			496 1164	166.16		\$8.05				\$8.05		11	21,933
38 39				389.94		\$14.92				\$14.92		0	0
40		Mercury Va RR110	por 216	72.36		\$2.31				\$2.31		556	482,786
41		RR111	301	100.84		\$2.88				\$2.88		3	3,630
	20000 MV 400 WATT - 159 KWH/MO	RR112	474	158.79		\$3.63				\$3.63		0	3,630
43			1135	380.23		\$7.10				\$7.10		0	ů
44		Metal Halid		555.25						ŲIO		•	•
45	15225 MH 175 WATT - 69 KWH/MO	RR114	205	68.68		\$2.73				\$2.73		0	0
46		RR115	290	97.15		\$6.35				\$6.35		2	2,346
47		RR116	458	153.43		\$8.05				\$8.05		0	0
48		LED											
	LED - 55	RR125	55	18.54	\$7.205					\$0.00		2	445
	LED - 60	RR126	60	20.10	\$7.860					\$0.00		38	9,223
	LED - 126	RR160	126	42.21	\$11.466					\$0.00		1	507
	LED - 189	RR170	189	63.32	\$17.199					\$0.00		1	760
53													
54		U10										2,840	2,257,335
55													

							No \$0.020290	ovember 2022 RATE \$0.003410	\$0.009130	\$0.032830		2022	2022
Line No.		Rev Code	Watts/Hour	Monthly kWh per Unit	Company Owned Rate (Present Rate)	Customer Owned Rate (Present Rate)	Cost of Fuel	Ad Valorem	Transm. By Others	Co Own Unit Rate Per Month with Fuel, Ad Valorem, Transm	Cust Owned Unit Rate Per Month with Fuel, Ad Valorem, Transm	End of Year Number of Units	Annual kWh
56 57	Rate U20 - Reddy-Guard - Commercial	Unmetered HPS											
	4095 HPS 35 WATT - 14 KWH/MO	RC001	42	14.07	\$4.000		\$0.285480	\$0.047979	\$0.128459	\$4,46192		0	0
59	5850 HPS 50 WATT - 20 KWH/MO	RC002	59	19.77	\$4.150		\$0.401032	\$0.067399	\$0.180454	\$4.79888		1	168
60	11700 HPS 100 WATT - 50 KWH/MO	RC003	148	49.58	\$7.430		\$1.005978	\$0.169068	\$0.452665	\$9.05771		108	76,513
61	17550 HPS 150 WATT - 70 KWH/MO	RC004	208	69.68	\$7.750		\$1.413807	\$0.237609	\$0.636178	\$10.03759		466	490,128
62	29250 HPS 250 WATT - 108 KWH/MO	RC005	322	107.87	\$10.960		\$2.188682	\$0.367837	\$0.984853	\$14.50137		451	623,563
63	46800 HPS 400 WATT - 166 KWH/MO		496	166.16	\$12.940		\$3.371386	\$0.566606	\$1.517041	\$18.39503		346	783,524
	117000 HPS 1000 WATT - 390 KWH/M		1164	389.94	\$27.070		\$7.911883	\$1.329695	\$3.560152	\$39.87173		7	32,427
65		Mercury Va											
66	8750 MV 175 WATT - 72 KWH/MO	RC010	216	72.36	\$4.920		\$1.468184	\$0.246748	\$0.660647	\$7.29558		683	738,513
67 68	12500 MV 250 WATT - 101 KWH/MO	RC011 RC012	301 474	100.84 158.79	\$6.240 \$9.260		\$2.045942	\$0.343847	\$0.920624	\$9.55041		35 11	49,067
69	20000 MV 400 WATT - 159 KWH/MO 50000 MV 1000 WATT - 380 KWH/MO	RC012 RC013	1135	380.23	\$9.260 \$17.560		\$3.221849 \$7.714765	\$0.541474 \$1.296567	\$1.449753 \$3.471454	\$14.47308 \$30.04279		0	22,730 0
70	30000 MV 1000 WATT - 360 KWH/MO	Metal Halide		360.23	\$17.560		\$1.114700	\$1.290007	\$3.47 1454	\$30.04279		U	U
71	15225 MH 175 WATT - 69 KWH/MO	RC014	205	68.68	\$5,050		\$1.393416	\$0.234182	\$0.627003	\$7.30460		0	0
	21750 MH 250 WATT - 97 KWH/MO	RC015	290	97.15	\$6,430		\$1.971174	\$0.331282	\$0.886980	\$9.61943		71	92.001
73	34800 MH 400 WATT - 153 KWH/MO	RC016	458	153.43	\$9.430		\$3.113095	\$0.523196	\$1.400816	\$14.46711		187	425,990
74			1135	380.23	\$17.590		\$7.714765	\$1.296567	\$3.471454	\$30.07279		27	174,998
75		LED											
76	LED - 60	RC026	60	20.10	\$8.880		\$0.407829	\$0.068541	\$0.183513	\$9.53988		516	20,926
77	LED - 66	RC030	66	22.11	\$9.768		\$0.448612	\$0.075395	\$0.201864	\$10.49387		1	211
	LED - 73	RC035	73	24.46	\$9.344		\$0.496192	\$0.083392	\$0.223274	\$10.14686		3	397
	LED - 126	RC060	126	42.21	\$13.608		\$0.856441	\$0.143936	\$0.385377	\$14.99375		62	5,150
	LED - 189	RC070	189	63.32	\$20.412		\$1.284661	\$0.215904	\$0.578066	\$22.49063		122	17,756
81	LED - 319	RC080	319	106.87	\$29.348		\$2.168291	\$0.364410	\$0.975677	\$32.85638		8	6,295
82 83													
84													
85	Rate U20 - Reddy-Guard - Commercial	Metered											
86		HPS											
87	4095 HPS 35 WATT - 14 KWH/MO	RC100	42	14.07		\$3.63				\$3.63		0	0
88	5850 HPS 50 WATT - 20 KWH/MO	RC101	59	19.77		\$3.63				\$3.63		18	4,269
89	11700 HPS 100 WATT - 50 KWH/MO	RC102	148	49.58		\$5.00				\$5.00		51	30,343
90	17550 HPS 150 WATT - 70 KWH/MO	RC103	208	69.68		\$5.88				\$5.88		201	168,068
91	29250 HPS 250 WATT - 108 KWH/MO	RC104	322	107.87		\$7.64				\$7.64		252	326,199
92	46800 HPS 400 WATT - 166 KWH/MO		496	166.16		\$8.05				\$8.05		243	484,523
93	117000 HPS 1000 WATT - 390 KWH/M		1164	389.94		\$14.92				\$14.92		6	28,076
94	9750 MV 475 MATT 72 MW 1/440	Mercury Va RC110	por 216	72.36		62.24				\$2.31			44 204
95 96	8750 MV 175 WATT - 72 KWH/MO 12500 MV 250 WATT - 101 KWH/MO	RC110 RC111	216 301	100.84		\$2.31 \$2.88				\$2.31		51 201	44,284 243,214
97	20000 MV 400 WATT - 159 KWH/MO	RC111	474	158.79		\$2.66 \$3.63				\$3.63		252	480,181
98	50000 MV 1000 WATT - 380 KWH/MO		1135	380.23		\$7.10				\$7.10		243	1,108,736
99	00000 1117 1000 177111 000 1771111110	Metal Halide		500.20		V				\$7.10		2-10	1,100,100
100	15225 MH 175 WATT - 69 KWH/MO	RC114	205	68.68		\$2.73				\$2.73		0	0
101	21750 MH 250 WATT - 97 KWH/MO	RC115	290	97.15		\$6.35				\$6.35		37	43,406
102	34800 MH 400 WATT - 153 KWH/MO	RC116	458	153.43		\$8.05				\$8.05		85	157,485
103													
104		LED											
	LED - 66	RC117	66	22.11	\$17.560							. 5	22,814
	LED - 60	RC126	60	20.10	\$7.860					\$0.00		13	3,136
	LED - 66	RC130	66	22.11	\$8.650					\$0.00		2	531
	LED - 126 LED - 189	RC160	126 189	42.21	\$11.466					\$0.00		5	2,533
110	FED - 109	RC170	189	63.32	\$17.199					\$0.00		3	2,279
111		U20										4,773	6,710,431
112		520										7,113	0,710,731

							November 2022 RATE			\$0.032830			
							\$0.020290	\$0.003410	\$0.009130			2022	2022
Line No.		Rev Code	Watts/Hour	Monthly kWh per Unit	Company Owned Rate (Present Rate)	Customer Owned Rate (Present Rate)	Cost of Fuel	Ad Valorem	Transm. By Others	Co Own Unit Rate Per Month with Fuel, Ad Valorem, Transm	Cust Owned Unit Rate Per Month with Fuel, Ad Valorem, Transm	End of Year Number of Units	Annual kWh
	Rate U30 - Public Lighting - Unmetered												
114	4005 1100 05 111477 44 1011111140	HPS RM001					00.005400	00.047070	00 400450	04 40400		0	0
115 116		RM001	42 59	14.07 19.77	\$4.000 \$4.150		\$0.285480 \$0.401032	\$0.047979 \$0.067399	\$0.128459 \$0.180454	\$4.46192 \$4.79888		0	0
	11700 HPS 100 WATT - 50 KWH/MO	RM003	148	49.58	\$4.150 \$7.430		\$1.005978	\$0.067399	\$0.452665	\$9.05771		0	0
118	17550 HPS 150 WATT - 70 KWH/MO	RM004	208	69.68	\$7.750		\$1.413807	\$0.237609	\$0.636178	\$10.03759		4	5,370
119		RM005	322	107.87	\$10.960		\$2.188682	\$0.367837	\$0.984853	\$14.50137		2	2,706
120	46800 HPS 400 WATT - 166 KWH/MO	RM006	496	166.16	\$12.940		\$3.371386	\$0.566606	\$1.517041	\$18.39503		- 7	2,087
121			1164	389.94	\$27.070		\$7.911883	\$1.329695	\$3.560152	\$39.87173		ò	2,001
122	1110001110 10001111111 0001111111111	Mercury Va		000.04	42		ψ1.011000	V1.020000	Q0.00010E	400.01110		•	•
	8750 MV 175 WATT - 72 KWH/MO	RM010	216	72.36	\$4.920		\$1.468184	\$0.246748	\$0.660647	\$7.29558		3	2,495
124	12500 MV 250 WATT - 101 KWH/MO	RM011	301	100.84	\$6.240		\$2.045942	\$0.343847	\$0.920624	\$9.55041		0	0
125	20000 MV 400 WATT - 159 KWH/MO	RM012	474	158.79	\$9.260		\$3.221849	\$0.541474	\$1.449753	\$14.47308		0	0
126	50000 MV 1000 WATT - 380 KWH/MO	RM013	1135	380.23	\$17.560		\$7.714765	\$1.296567	\$3.471454	\$30.04279		0	0
127		Metal Halide	е										
128	15225 MH 175 WATT - 69 KWH/MO	RM014	205	68.68	\$5.050		\$1.393416	\$0.234182	\$0.627003	\$7.30460		0	0
129	21750 MH 250 WATT - 97 KWH/MO	RM015	290	97.15	\$6.430		\$1.971174	\$0.331282	\$0.886980	\$9.61943		4	4,271
130	34800 MH 400 WATT - 153 KWH/MO	RM016	458	153.43	\$9.430		\$3.113095	\$0.523196	\$1.400816	\$14.46711		1	2,087
131		LED										_	
	LED - 60	RM026	60	20.10	\$8.880		\$0.407829	\$0.068541	\$0.183513	\$9.53988		3	380
	LED - 73	RM035	73	24.46	\$9.344		\$0.496192	\$0.083392	\$0.223274	\$10.14686		1	307
134 135													
136													
137	Rate U30 - Public Lighting - Metered												
138		HPS											
139	4095 HPS 35 WATT - 14 KWH/MO	RM100	42	14.07		\$3.63				\$3.63		0	0
140	5850 HPS 50 WATT - 20 KWH/MO	RM101	59	19.77		\$3.63				\$3.63		0	0
141	11700 HPS 100 WATT - 50 KWH/MO	RM102	148	49.58		\$5.00				\$5.00		2	1,190
142	17550 HPS 150 WATT - 70 KWH/MO	RM103	208	69.68		\$5.88				\$5.88		2	1,672
143	29250 HPS 250 WATT - 108 KWH/MO	RM104	322	107.87		\$7.64				\$7.64		0	0
144	46800 HPS 400 WATT - 166 KWH/MO	RM105	496	166.16		\$8.05				\$8.05		0	0
145	117000 HPS 1000 WATT - 390 KWH/M		1164	389.94		\$14.92				\$14.92		0	0
146		Mercury Va											
147		RM110	216	72.36		\$2.31				\$2.31		1	868
148	12500 MV 250 WATT - 101 KWH/MO	RM111	301	100.84		\$2.88				\$2.88		0	0
149	20000 MV 400 WATT - 159 KWH/MO	RM112	474	158.79		\$3.63				\$3.63		0	0
150	50000 MV 1000 WATT - 380 KWH/MO	RM113	1135	380.23		\$7.10				\$7.10		0	0
151	15225 MH 175 WATT 60 KWWWA	Metal Halide RM114	e 205	68.68		\$2.73				\$2.73		0	0
152 153		RM114 RM115	205 290	97.15		\$2.73 \$6.35				\$2.73 \$6.35		0	0
153		RM115	290 458	153.43		\$6.35 \$8.05				\$6.35		0	0
155	34000 WITH 400 WATT - 133 KWM/MO	LED	450	153.43		\$0.05				\$6.05		U	U
	LED - 60	RM126	60	20.10	\$7.860					\$0.00		1	243
157	LLD 00	1 WI 120	00	20.10	ψ1.000					ψ0.00			243
158												25	23.676
159													,

							\$0.020290	vember 2022 RATE \$0.003410	\$0.009130	\$0.032830		2022	2022
Line No.		Rev Code	Watts/Hour	Monthly kWh per Unit	Company Owned Rate (Present Rate)	Customer Owned Rate (Present Rate)	Cost of Fuel	Ad Valorem	Transm. By Others	Co Own Unit Rate Per Month with Fuel, Ad Valorem, Transm	Cust Owned Unit Rate Per Month with Fuel, Ad Valorem, Transm	End of Year Number of Units	Annual kWh
160	RATE 56 - COMPANY OR CUSTOMER O	OWNED HIGH	WAY, STREE	T AND AREA	LIGHTING S	YSTEMS							
	Rate U30 - Metal Pole Mounting												
163		HPS											
164	5850 HPS 50 WATT - 25 KWH/MO	SMM22	74	24.79	***	\$0.73	\$0.502989	\$0.084534	\$0.226333	000 00774	\$1.54386	4	2,486
165	11700 HPS With Pole 100 * WATT - 50 H		148	49.58	\$19.07		\$1.005978	\$0.169068	\$0.452665	\$20.69771	00.40774	0	0
166 167	11700 HPS 100 WATT - 50 KWH/MO	SMM02	148 208	49.58 69.68	640.00	\$1.48	\$1.005978	\$0.169068	\$0.452665	¢04 67750	\$3.10771	9 515	5,548
	17550 HPS With Pole 150 * WATT - 70 H				\$19.39	***	\$1.413807	\$0.237609	\$0.636178	\$21.67759	*******		411,947
168	17550 HPS 150 WATT - 70 KWH/MO	SMM04	208	69.68	***	\$2.08	\$1.413807	\$0.237609	\$0.636178	005 55407	\$4.36759	92	80,496
169 170	29250 HPS With Pole 250 * WATT - 108		322 322	107.87	\$22.01	***	\$2.188682	\$0.367837	\$0.984853	\$25.55137	00 70407	637	848,248
	29250 HPS 250 WATT - 108 KWH/MO		322 496	107.87	600.70	\$3.19	\$2.188682	\$0.367837	\$0.984853	¢20 22502	\$6.73137	17	19,098
171	46800 HPS With Pole 400 * WATT - 166		496 496	166.16	\$23.78	64.70	\$3.371386	\$0.566606	\$1.517041	\$29.23503	£40.04E00	444 562	903,995
172 173	46800 HPS 400 WATT - 166 KWH/MO 117000 HPS With Pole 1000 * WATT - 3		496 1164	166.16 389.94	607.74	\$4.76	\$3.371386 \$7.911883	\$0.566606 \$1.329695	\$1.517041 \$3.560152	\$50.54173	\$10.21503		1,163,436 0
173	117000 HPS WITH POR 1000 WATT - 3		1164	389.94	\$37.74	\$11.82	\$7.911883	\$1.329695	\$3.560152	\$50.54173	\$24.62173	0	0
174	117000 HPS 1000 WATT - 390 KWH/W			309.94		\$11.02	\$7.911003	\$1.329093	\$3.300132		\$24.02173	U	U
175	8750 MV With Pole 175 * WATT - 72 KW	Mercury Va	por 216	72.36	\$11.98		\$1,468184	\$0.246748	\$0.660647	\$14.35558		0	0
176	8750 MV 175 WATT - 72 KWH/MO	SMM12	216	72.36	\$11.90	\$2.14	\$1.468184	\$0.246748	\$0.660647	\$14.35556	\$4,51558	0	0
			301	100.84	\$16.34	\$2.14	\$1.400104	\$0.246746	\$0.920624	\$19.65041	\$4.51556	29	34,404
178	12500 MV With Pole 250 * WATT - 101 F 12500 MV 250 WATT - 101 KWH/MO		301	100.84	\$16.34	\$2.76	\$2.045942	\$0.343647 \$0.343847	\$0.920624	\$19.00041	\$6.07041	0	34,404
179		SMM14			***	\$2.76				00440000	\$6.07041		•
180	20000 MV With Pole 400 * WATT - 159 H		474	158.79	\$18.92		\$3.221849	\$0.541474	\$1.449753	\$24.13308	040 05000	7	12,661
181	20000 MV 400 WATT - 159 KWH/MO	SMM16	474	158.79	***	\$4.84	\$3.221849	\$0.541474	\$1.449753	044 47070	\$10.05308	0	0
182	50000 MV With Pole 1000 * WATT - 380		1135	380.23	\$28.99	60.00	\$7.714765	\$1.296567	\$3.471454	\$41.47279	¢04 00070	0	0
183 184	50000 MV 1000 WATT - 380 KWH/MO	Metal Halide	1135	380.23		\$8.80	\$7.714765	\$1.296567	\$3.471454		\$21.28279	0	0
	21750 MH With Pole 175 * WATT - 69 K		290	68.68	\$19.20	\$0.00	\$1,393416	\$0.234182	en en7000	\$21,45460	\$2,25460	1	4.050
185			290 458	97.15					\$0.627003			6	1,353
187	20000 MH With Pole 250 * WATT - 97 K		205	153.43	\$20.55 \$21.55	\$3.52	\$1.971174	\$0.331282	\$0.886980	\$23.73943	\$6.70943	0	12,203 0
188	8750 MH With Pole 400 * WATT - 153 K	LED	205	153.43	\$21.55	\$4.48	\$3.113095	\$0.523196	\$1.400816	\$26.58711	\$9.51711	U	U
	LED - 42	SLM45	42	14.07	\$22.54		\$0.285480	\$0.047979	\$0.128459	\$23.00192		1	132
	LED - 42 LED - 51	SLM50	51	17.09	\$22.54	\$0.61	\$0.346655	\$0.047979	\$0.155986	\$23.00192	\$1.17090	4	866
	LED - 51	SLM07	71	23.79	\$21.02	\$0.85	\$0.482598	\$0.08200	\$0.217157	\$22.10290	\$1.63286	34	10,171
	LED - 71	SLM53	73	24.46	\$22,56	\$0.00	\$0.496192	\$0.083392	\$0.223274	\$23.36386	φ1.03200	2	548
	LED - 103	SLM55	103	34.51	\$24.71	\$1,24	\$0.700106	\$0.117662	\$0.315031	\$25.83780	\$2.37280	20	8,477
	LED - 103 LED - 108	SLM11	103	36.18	\$24.71	\$1.24 \$1.30	\$0.734092	\$0.123374	\$0.330323	\$25.03700	\$2.37200	8	2,679
	LED - 106 LED - 126	SLM11	126	42.21	\$27.58	\$1.30	\$0.734092	\$0.123374	\$0.385377	\$28.96575	\$2.40379	7	640
	LED - 126 LED - 155	SLM15	143	51.59	\$27.50	\$1.85	\$1.046761	\$0.175922	\$0.365377	\$1.69370		242	156,588
	LED - 133	SLM13	189	63.32	\$35.46	\$1.00	\$1.284661	\$0.215904	\$0.578066	\$37.53363		40	20,139
	LED - 189 LED - 200	SLM20	194	69.01	\$35.46	\$2,47		\$0.215904	\$0.630061	\$31.53363	\$4,73560	0	20,139
	LED - 268	SLM20 SLM22	268	89.78		\$3.22	\$1.400213 \$1.821636	\$0.235324 \$0.306150	\$0.819691		\$6.16348	2	2,263
		SLM67	278	93.13	\$38.84	40.22	\$1.889608	\$0.317573	\$0.850277	\$41.89946	φυ. 10346	9	10,570
	LED - 278 LED - 309	SLM70	309	103.52	\$30.04 \$41.91	\$3,71	\$2.100319	\$0.352986	\$0.945092	\$45.30940	\$7,10840	12	15,663
	LED - 319	SLM75	319	103.52	\$41.91	90.11	\$2.168291	\$0.364410	\$0.945092	\$46.40938	φ1.10040	2	2,696
202	LLD - 013	OLIVI75	319	100.07	\$42.9U		92.100291	φυ.συ νν 10	φυ.σισ011	φ40.40830		2	2,096
203													
204													
203													

				.,	JEE 111 2 EN								
							\$0.020290	ovember 2022 RATE \$0.003410	\$0.009130	\$0.032830		2022	2022
Line No.	Re	ev Code	Watts/Hour	Monthly kWh per Unit	Company Owned Rate (Present Rate)	Customer Owned Rate (Present Rate)	Cost of Fuel	Ad Valorem	Transm. By Others	Co Own Unit Rate Per Month with Fuel, Ad Valorem, Transm	Cust Owned Unit Rate Per Month with Fuel, Ad Valorem, Transm	End of Year Number of Units	Annual kWh
206	Rate U30 - Wood Pole Mounting												
207	HE		148	40.50	644.00		64 005070	en 400000	#0 4F000F	\$40 CE774		200	444.005
208	11700 HPS With Pole 100 * WATT - 50 K SN 11700 HPS 100 WATT - 50 KWH/MO SN	MW20	148	49.58 49.58	\$11.03	\$1.48	\$1.005978 \$1.005978	\$0.169068 \$0.169068	\$0.452665 \$0.452665	\$12.65771	\$3,10771	286 0	144,235 0
210	17550 HPS With Pole 150 * WATT - 70 k SM		208	69.68	\$11.34	*****	\$1.413807	\$0.237609	\$0.636178	\$13.62759	• • •	1,848	1,575,797
211		MW22	208 322	69.68	*****	\$2.08	\$1.413807	\$0.237609	\$0.636178	040 70407	\$4.36759	0	0
212	29250 HPS With Pole 250 * WATT - 108 SN 29250 HPS 250 WATT - 108 KWH/MO SN		322	107.87 107.87	\$15.18	\$3.19	\$2.188682 \$2.188682	\$0.367837 \$0.367837	\$0.984853 \$0.984853	\$18.72137	\$6.73137	494 0	659,966 0
214	46800 HPS With Pole 400 * WATT - 166 SN		496	166.16	\$16.96	40.10	\$3.371386	\$0.566606	\$1.517041	\$22.41503	ψ0.70101	44	83,303
215	46800 HPS 400 WATT - 166 KWH/MO SN		496	166.16		\$4.76	\$3.371386	\$0.566606	\$1.517041		\$10.21503	4	7,024
216 217	117000 HPS With Pole 1000 * WATT - 3! SN 117000 HPS 1000 WATT - 390 KWH/Mt SN		1164 1164	389.94 389.94	\$30.99	\$11.82	\$7.911883 \$7.911883	\$1.329695 \$1.329695	\$3.560152 \$3.560152	\$43.79173	\$24.62173	0	0
218		ercury Vap		309.94		\$11.02	\$1.911003	φ1.329093	\$3.300132		φ24.02173	•	v
219	8750 MV With Pole 175 * WATT - 72 KW SN	MW 29	216	72.36	\$8.39		\$1.468184	\$0.246748	\$0.660647	\$10.76558		1,445	1,284,974
220 221	8750 MV 175 WATT - 72 KWH/MO SN 12500 MV With Pole 250 * WATT - 101 k SN	MW30	216 301	72.36 100.84	\$12.96	\$2.14	\$1.468184 \$2.045942	\$0.246748 \$0.343847	\$0.660647 \$0.920624	\$16.27041	\$4.51558	0 21	0 26,983
222		MW32	301	100.84	\$12.90	\$2.76	\$2.045942	\$0.343847	\$0.920624	\$10.27041	\$6.07041	0	26,963
223	20000 MV With Pole 400 * WATT - 159 k SN	MW33	474	158.79	\$14.32		\$3.221849	\$0.541474	\$1.449753	\$19.53308		24	42,998
224		MW 34	474	158.79	***	\$4.84	\$3.221849	\$0.541474	\$1.449753	****	\$10.05308	0	0
225 226	50000 MV With Pole 1000 * WATT - 380 SM 50000 MV 1000 WATT - 380 KWH/MO SM		1135 1135	380.23 380.23	\$20.43	\$8.80	\$7.714765 \$7.714765	\$1.296567 \$1.296567	\$3.471454 \$3.471454	\$32.91279 \$21.28279		0	0
227	Me	etal Halide	•										
228			290	97.15	\$15.51	\$3.52	\$1.971174	\$0.331282	\$0.886980	\$18.69943	\$6.70943	0 9	558
229	20000 MH With Pole 400 * WATT - 153 I SM		458	153.43	\$17.36	\$4.48	\$3.113095	\$0.523196	\$1.400816	\$22.39711	\$9.51711	9	15,802
	LED - 42 SL	_W45	42	14.07	\$14.50		\$0.285480	\$0.047979	\$0.128459	\$14.96192		1	80
232		_W 50	51	17.09	\$13.58	\$0.61	\$0.346655	\$0.058260	\$0.155986	\$14.14290	\$1.17090	8	1,143
233		_W51 _W53	60 73	20.10 24.46	\$15.31 \$14.52		\$0.407829 \$0.496192	\$0.068541 \$0.083392	\$0.183513 \$0.223274	\$15.96988 \$15.32386		63 12	2,966 3,010
235		_W57	126	42.21	\$19.54		\$0.856441	\$0.143936	\$0.385377	\$20.92575		4	919
		LW15	154	51.59		\$1.85	\$1.046761	\$0.175922	\$0.471017		\$3.54370	13	8,457
237 238	LED - 189 SL	_W63	189	63.32	\$27.42		\$1.284661	\$0.215904	\$0.578066	\$29.49363		1	228
239	SL	_W63 is no	t in U30										
240 241	Rate U30 - Distribution Pole Mounting												
241	11700 HPS With Pole 100 * WATT - 50 k SN	MD37	148	49.58	\$4.22		\$1.005978	\$0.169068	\$0.452665	\$5.84771		136	75,480
243	11700 HPS 100 WATT - 50 KWH/MO SN	MD38	148	49.58		\$1.48	\$1.005978	\$0.169068	\$0.452665		\$3.10771	40	24,864
244 245	17550 HPS With Pole 150 * WATT - 70 k SN 17550 HPS 150 WATT - 70 KWH/MO SN	MD39 MD40	208 208	69.68 69.68	\$7.53	\$2.08	\$1.413807 \$1.413807	\$0.237609 \$0.237609	\$0.636178 \$0.636178	\$9.81759	\$4.36759	1,501 13	1,299,120 11,309
245	29250 HPS With Pole 250 * WATT - 108 SN		322	107.87	\$10.66	\$2.00	\$1.413607	\$0.237609	\$0.984853	\$14.20137	\$4.30759	261	348,657
247	29250 HPS 250 WATT - 108 KWH/MO SN	MD42	322	107.87		\$3.19	\$2.188682	\$0.367837	\$0.984853		\$6.73137	116	163,451
248 249	46800 HPS With Pole 400 * WATT - 166 SM		496 496	166.16	\$12.58	64.70	\$3.371386	\$0.566606	\$1.517041	\$18.03503	£40.04500	32 209	68,774 428,488
250	46800 HPS 400 WATT - 166 KWH/MO SM 117000 HPS With Pole 1000 * WATT - 3! SM		1164	166.16 389.94	\$26.32	\$4.76	\$3.371386 \$7.911883	\$0.566606 \$1.329695	\$1.517041 \$3.560152	\$39.12173	\$10.21503	209	420,400
251	117000 HPS 1000 WATT - 390 KWH/M(SM		1164	389.94		\$11.82	\$7.911883	\$1.329695	\$3.560152	,	\$24.62173	Ö	ŏ
252 253	8750 MV With Pole 175 * WATT - 72 KW SN	MD47	216	72.36	\$4.79		\$1.468184	\$0.246748	\$0.660647	\$7.16558		1,942	1,749,803
253		MD47 MD48	216 216	72.36	\$4.79	\$2.14	\$1.468184 \$1.468184	\$0.246748 \$0.246748	\$0.660647	\$1.10058	\$4.51558	1,942	1,749,803
255	12500 MV With Pole 250 * WATT - 101 k SM	MD49	301	100.84	\$6.06		\$2.045942	\$0.343847	\$0.920624	\$9.37041		26	30,620
256		MD50	301 474	100.84	****	\$2.76	\$2.045942	\$0.343847	\$0.920624	****	\$6.07041	0	0
257 258	20000 MV With Pole 400 * WATT - 159 k SN 20000 MV 400 WATT - 159 KWH/MO SN		474	158.79 158.79	\$9.01	\$4.84	\$3.221849 \$3.221849	\$0.541474 \$0.541474	\$1.449753 \$1.449753	\$14.22308	\$10.05308	16 5	27,839 9,224
259	50000 MV With Pole 1000 * WATT - 380 SM		1135	380.23	\$17.07	****	\$7.714765	\$1.296567	\$3.471454	\$29.55279	************	0	0
260 261	50000 MV 1000 WATT - 380 KWH/MO SN	MD54	1135	380.23		\$8.80	\$7.714765	\$1.296567	\$3.471454		\$21.28279	0	0
262	21750 MH With Pole 250 * WATT - 97 K\ SM	MD55	290	97.15	\$10.99		\$1.971174	\$0.331282	\$0.886980	\$14.17943		2	2,706
263	21750 MH 250 WATT - 97 KWH/MO SM	MD56	290	97.15		\$3.52	\$1.971174	\$0.331282	\$0.886980		\$6.70943	0	0
264	34800 MH With Pole 400 * WATT - 153 F SN		458	153.43	\$12.98		\$3.113095	\$0.523196	\$1.400816	\$18.01711	00.547	2	3,946
265 266	34800 MH 400 WATT - 153 KWH/MO SN	MD58	458	153.43		\$4.48	\$3.113095	\$0.523196	\$1.400816		\$9.51711	0	0
267		_D45	42	14.07	\$10.71		\$0.285480	\$0.047979	\$0.128459	\$11.17192		1	100
268		_D51	60	20.10	\$11.52	\$0.61	\$0.407829	\$0.068541	\$0.183513	\$12.17988	\$1.26988	43	2,149
		D53	73 126	24.46 42.21	\$10.73 \$15.75		\$0.496192 \$0.856441	\$0.083392 \$0.143936	\$0.223274 \$0.385377	\$11.53386 \$17.13575		6 4	1,281 332
271		_D63	189	63.32	\$23.63		\$1.284661	\$0.215904	\$0.578066	\$25.70363		3	875
272 273	U3	20										44.000	44 074 000
274	US	30										11,380	11,871,266
275													

274 275 276 NOTES: 277 1. Source file: light2211 rates.xlsx 278 279 280

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE WP 3 - COMPANY BURNING HOURS

		Daily	Monthly
1	JANUARY	13.9	430.9
2	FEBRUARY	12.8	358.4
3	MARCH	11.3	350.3
4	APRIL	9.7	291.0
5	MAY	8.4	260.4
6	JUNE	7.7	231.0
7	JULY	8.1	251.1
8	AUGUST	9.2	285.2
9	SEPTEMBER	10.7	321.0
10	OCTOBER	13.3	412.3
11	NOVEMBER	13.6	408.0
12	DECEMBER	14.3	443.3
13			
14	ANNUAL		4,042.9
15	MONTHLY AVERAGE		336.9
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE WP 4 - NET OPERATING EXPENSE FUNCTIONAL DETAIL

	A	В	С	D	E	F	G	н	1	J	ĸ	L	М
Line No.	RATE 19	METERED OPERATING EXPENSE(1) (Col E- Col N)	NET ADJ OPERATING EXPENSE (Col E- Col N)	Operating Expenses Reddy-Guard	Total Expenses (Col H to Col M)	Operation O&M Exp	Maintenance O&M Exp	O&M Exp	Depreciation Expense	Regulatory Credits	TOIT	Income Taxes	Adjust to Taxes
1 2 3 4 5 6	Reddy-Guard A&G PRODUCTION PRODUCTION EXPENSE BASE FUEL BASE	\$0	\$187,765 \$153,621 \$34,143	Fuel Production Base + Energy	\$153,621 \$35,472	\$153,621 \$9,457	\$0 \$9,457	\$153,621 \$18,913	\$0 \$21,259	\$0 \$0	\$0 \$327	\$0 \$0	\$0 (\$5,028)
7 8 9 10 11	TRANSMISSION TRANSMISSION EXTERNAL TRANSMISSION		\$3,349 \$70,002	Transmission External Transmission	\$10,101 \$70,002	\$1,878 \$70,002	\$1,878 \$0	\$3,756 \$70,002	\$7,470 \$0	\$0 \$0	\$170 \$0	\$0 \$0	(\$1,295) \$0
12 13 14			\$9,276	Distribution Substations	\$9,391	\$4,786	\$39	\$4,826	\$5,698	\$0	\$273	\$0	(\$1,405)
15 16	PRIMARY LINES		\$30,195	Distribution Primary	\$30,795	\$4,900	\$9,954	\$14,854	\$18,786	\$0	\$677	\$0	(\$3,522)
17 18	SECONDARY LINES		\$16,421	Distribution Secondary	\$16,738	\$2,655	\$5,394	\$8,049	\$10,270	\$0	\$373	\$0	(\$1,954)
19 20	LINE TRANSFORMERS		\$5,052	Distribution - Transformers	\$5,140	\$536	\$1,089	\$1,626	\$4,375	\$0	\$154	\$0	(\$1,015)
21 22	SERVICES		\$0	Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21 22 23 24 25	METERS		\$0	Meters	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25 26 27 28 29 30 31 32 33	LIGHTING REDDY-GUARD HIGHWAY, STREET, & AREA TOTAL LIGHTING TOTAL DIST OPERATING EXP EXPENSE TOT DIST EXCL SERV, METERS, & LTG	\$215,352 \$0 \$215,352 \$0	\$215,352 \$0 \$215,352 \$276,296 \$60,943	Reddy Guard Highway, Street, & Area Ltg Total Street Lighting	\$216,229 \$0 \$216,229 \$278,292 \$62,063	\$23,786 \$23,786	\$85,552 \$85,552	\$109,339 \$109,339	\$120,946	\$0	\$4,805	\$0	(\$18,861)
33 34 35 36 37 38 39 40 41	CUSTOMER METER READING CUSTOMER RECORDS CUSTOMER SERVICE & INFO TOTAL CUSTOMER DISTRIBUTION TOTAL CUST DIST EXCL MET READING	\$215,352	\$0 \$20,692 \$71,488 \$92,179 \$92,179	Customer Meter Reading Customer Records Customer Other Ad Valorem Total Operating Expenses	\$0 \$20,797 \$71,840 \$18,136 \$658,260	\$0 \$0 \$6,822	\$0 \$0 \$0 \$113,363	\$0 \$19,352 \$59,559 \$0 \$463,897	\$0 \$2,539 \$15,589 \$0 \$206,931	\$0 \$0 \$0 \$0 (\$80)	\$0 \$374 \$2,170 \$18,215 \$27,538	\$0 \$0 \$0 \$0	\$0 (\$1,468) (\$5,478) \$0 (\$40,027)
42 43	TOTAL NOE EXCL AD VALOREM (COS Ck)		\$640,124	Total Oper Exp Excl Ad Valor	\$640,124 \$658,260 ck	¥=. 2, 2	*****	****	¥,	(455)	V-1,000	**	(4.5,52.7)
44 45 46 47 48 49	SERVICES, METERS, & CUSTOMER DIST	\$215,352 \$215,352	\$405,967 \$313,788		\$504,639 \$323,865								
50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	Notes: (1) Customer Owned Operating Expenses exclude O&M Maintena (2) Total Operating Expense excludes Ad Valorem (3) Net Operating Expense (NOE) equals Total Operating Expense (4) Source for Operating Expense data is file TY2014 NWE SD Eli	es less Other Operating	Revenue and Whol										

NWE SD LIGHTING CO TABLE WP 4 - NET OPERATING

	Α	N Total Other	O Other Operating	P Wholesale
Line No.	RATE 19	Revenues	Revenues	Revenues
1	Reddy-Guard A&G	(Col O + Col P)		
2	PRODUCTION			
3	PRODUCTION EXPENSE BASE FUEL	\$0	\$0	\$0
5 6 7	= BASE	\$1,328	\$1,328	\$0
8	TRANSMISSION			
9 10 11	TRANSMISSION EXTERNAL TRANSMISSION	\$6,752 \$0	\$6,752 \$0	\$0 \$0
12 13	DISTRIBUTION PRIMARY SUBSTATIONS	\$115	\$115	\$0
14 15	PRIMARY LINES	\$600	\$600	\$0
16 17	SECONDARY LINES	\$317	\$317	\$0
18 19	LINE TRANSFORMERS	\$88	\$88	\$0
20 21	SERVICES	\$0	\$0	\$0
22 23	METERS	\$0	\$0	\$0
24 25	LIGHTING			
26 27 28 29	REDDY-GUARD HIGHWAY, STREET, & AREA TOTAL LIGHTING	\$877	\$877	\$0
30 31 32 33	TOTAL DIST OPERATING EXP EXPENSE TOT DIST EXCL SERV, METERS, & LTG			
34	CUSTOMER DISTRIBUTION			
35	CUSTOMER METER READING	\$0	\$0	\$0
36 37	CUSTOMER RECORDS CUSTOMER SERVICE & INFO	\$105 \$352	\$105 \$352	\$0 \$0
38 39	TOTAL CUSTOMER DISTRIBUTION TOTAL CUST DIST EXCL MET READING	****	****	
40 41 42	TOTAL OPER EXP EXPENSE (2) TOTAL NOE EXCL AD VALOREM (COS Ck)	\$0 \$10,534 \$0	\$0 \$10,534 \$0	\$0 \$0 \$0
43 44	TOTAL ADJ EXP EXCL BASE FUEL & EXT TRANSM			
45 46 47 48 49	TOTAL ADJ EXP EXCL FUEL, EXT TRANSM, SERVICES, METERS, & CUSTOMER DIST			
49 50 51 52 53 54 55 56 57 58 59 60 61 62	Notes: (1) Customer Owned Operating Expenses exclude O&M Maintenance (2) Total Operating Expense excludes Ad Valorem (3) Net Operating Expense (NOE) equals Total Operating Expenses le (4) Source for Operating Expense data is file TY2014 NWE SD Elec E			
63 64				

NWE SD LIGHTING COST ANALYSIS - 12/31/22 TABLE WP 4 - NET OPERATING EXPENSE FUNCTIONAL DETAIL

C Е G н J K 1 м Α R . NET CUST OWN NET Total Operation Maintenance Depreciation Regulatory Income Adjust to TOIT Line RATE 56 OPERATING OPERATING Operating Expenses Expenses O&M Exp O&M Exp O&M Exp Credits Taxes Taxes Expense EXPENSE(1) **EXPENSE** Highway, Street, & Area Lighting No. Highway, Street, & Area Lighting A&G (Col E- Col N) (Col H to Col M) PRODUCTION PRODUCTION EXPENSE \$445,307 \$445,307 BASE FUEL \$359,275 \$359,275 \$359.275 \$359.275 \$0 \$359,275 \$0 \$53,566 \$0 \$810 BASE \$86,031 \$86,031 Production Base + Energy \$89,377 \$23,827 \$23,827 \$47,654 (\$12,652) TRANSMISSION TRANSMISSION \$4 732 \$8.438 \$8 438 Transmission \$25,450 \$4,732 \$9,463 \$164,796 \$18,822 \$0 \$0 \$428 \$0 \$0 (\$3,263) EXTERNAL TRANSMISSION 10 \$164,796 \$164.796 External Transmission \$164.796 \$164,796 \$0 \$0 DISTRIBUTION 13 PRIMARY SUBSTATIONS \$21,837 \$21,837 Distribution Substations \$22,108 \$11,268 \$93 \$11,361 \$13,413 \$0 \$643 (\$3,308) 14 15 16 17 PRIMARY LINES \$71,083 Distribution Primary \$11,536 \$23,433 \$34,970 \$1,593 \$71.083 \$72,495 \$44,224 \$0 \$0 (\$8,292) SECONDARY LINES \$38,657 \$38,657 Distribution Secondary \$39,403 \$6,251 \$12,697 \$18,948 \$24,177 \$0 \$878 (\$4,601) 18 19 LINE TRANSFORMERS \$11,893 \$11,893 Distribution - Transformers \$12,100 \$1,262 \$2,564 \$3,827 \$10,298 \$0 \$364 (\$2,389) 20 21 22 23 24 SERVICES \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 Services \$0 \$0 \$0 METERS \$0 \$0 \$0 \$0 \$0 \$0 Meters \$0 \$0 \$0 25 LIGHTING 26 27 REDDY-GUARD HIGHWAY, STREET, & AREA \$0 Reddy Guard \$0 \$1,288,503 Highway, Street, & Area Ltg \$1,293,749 \$142.320 \$511.879 \$654,199 \$723,650 \$0 \$28,750 \$0 (\$112.850) 28 TOTAL LIGHTING \$0 \$1,288,503 Total Street Lighting \$1,293,749 \$142,320 \$511,879 \$654,199 29 TOTAL DIST OPERATING EXP EXPENSE \$1,431,973 30 \$143,470 \$1,439,855 31 TOT DIST EXCL SERV, METERS, & LTG \$143,470 \$143,470 \$146,106 32 33 CUSTOMER DISTRIBUTION CUSTOMER METER READING Customer Meter Reading \$0 \$3,484 \$3.502 \$0 36 CUSTOMER RECORDS \$3,484 Customer Records \$0 \$3,259 \$427 \$63 (\$247)37 38 CUSTOMER SERVICE & INFO \$0 \$2,656 \$0 \$0 (\$933) \$12,181 \$12,181 Customer Other \$12,241 \$1,163 \$10,149 \$370 TOTAL CUSTOMER DISTRIBUTION \$15,666 \$15,666 39 TOTAL CUST DIST EXCL MET READING \$15,666 \$15,666 Ad Valorem \$42,694 \$42,882 41 TOTAL OPER EXP EXPENSE (2) \$777,675 \$2,066,179 Total Operating Expenses \$2,137,191 \$726,429 \$579,225 \$1,317,899 \$891,235 (\$188) \$76,780 \$0 (\$148,535) TOTAL NOE EXCL AD VALOREM (COS Ck) \$2,094,497 Total Oper Exp Excl Ad Valor \$2,094,497 \$2 137 191 ck 44 TOTAL OPER EXP EXCL BASE FUEL & EXT TRANS \$253,605 \$1,542,108 \$1,777,916 45 TOTAL OPER EXP EXCL FUEL, EXT TRANSM, \$1,526,442 \$1,554,683 47 SERVICES, METERS, & CUSTOMER DIST

\$2,795,451

48 49

50 51

⁽¹⁾ Net Customer Owned Operating Expenses exclude Lighting Expenses (2) Total Operating Expense excludes Ad Valorem

⁵⁶ 57

⁽³⁾ Net Operating Expense (NOE) equals Total Operating Expenses less Other Operating Revenue and Wholesale Sales Revenue

⁽⁴⁾ Source for Operating Expense data is file TY2014 NWE SD Elec Embedded ACOS Rev @ 05-31-23.xls, sheets "ByClass" and "ByFunction"

NWE SD LIGHTING CO TABLE WP 4 - NET OPERATING

	А	N T. (10)	O Other	Р
Line No.	RATE 56	Total Other Revenues	Operating Revenues	Wholesale Revenues
1 2	Highway, Street, & Area Lighting A&G PRODUCTION	(Col O + Col P)		
3 4 5 6	PRODUCTION EXPENSE BASE FUEL BASE	\$0 \$3,346	\$0 \$3,346	\$0 \$0
7 8	TRANSMISSION			
9 10 11	TRANSMISSION EXTERNAL TRANSMISSION	\$17,013 \$0	\$17,013 \$0	\$0 \$0
12 13 14	DISTRIBUTION PRIMARY SUBSTATIONS	\$270	\$270	\$0
15 16	PRIMARY LINES	\$1,412	\$1,412	\$0
17 18	SECONDARY LINES	\$746	\$746	\$0
19 20	LINE TRANSFORMERS	\$208	\$208	\$0
21 22	SERVICES	\$0	\$0	\$0
23 24	METERS	\$0	\$0	\$0
25 26 27	LIGHTING REDDY-GUARD HIGHWAY, STREET, & AREA	\$5,245	\$5,245	\$0
28 29 30 31 32 33	TOTAL LIGHTING TOTAL DIST OPERATING EXP EXPENSE TOT DIST EXCL SERV, METERS, & LTG			
34 35 36 37	CUSTOMER DISTRIBUTION CUSTOMER METER READING CUSTOMER RECORDS CUSTOMER SERVICE & INFO	\$0 \$18 \$60	\$0 \$18 \$60	\$0 \$0 \$0
38 39 40	TOTAL CUSTOMER DISTRIBUTION TOTAL CUST DIST EXCL MET READING	\$0	\$0	\$0
41 42 43	TOTAL OPER EXP EXPENSE (2) TOTAL NOE EXCL AD VALOREM (COS Ck)	\$28,318 \$0	\$28,318 \$0	\$0 \$0 \$0
44 45	TOTAL OPER EXP EXCL BASE FUEL & EXT TRANS			
46 47 48 49	TOTAL OPER EXP EXCL FUEL, EXT TRANSM, SERVICES, METERS, & CUSTOMER DIST			
50 51 52 53				
54 55 56 57 58 59 60 61 62 63 64 65	Notes: (1) Net Customer Owned Operating Expenses exclude Lighting Expen (2) Total Operating Expense excludes Ad Valorem (3) Net Operating Expense (NOE) equals Total Operating Expenses le (4) Source for Operating Expense data is file TY2014 NWE SD Elec E			