

ICC Dkt. No. 11-0721
ALJ 1_Attach A Rate Design

	A	B	C	D	E	F	G	
1			EMBEDDED COST OF SERVICE INFORMATION: TAB R					
2		Annual		Total				
3		Billing	Embedded	Embedded	EPEC			
4	Residential	Units	Costs	Costs	Revenue			
5	Delivery	-----	-----	-----	-----			
6	Class	(A)	(B)	(C)	(D)			
7				= (B) by Class	= (C) x NRR/EC			
8	SFNH							
9	Customer	26,905,944	\$220,770,863					
10	Meter	26,905,944	\$71,249,461					
11	Dist	21,108,024,874	\$513,286,476					
12	IEDT	21,108,024,874	\$23,740,212					
13	Total			\$829,047,012	\$829,047,012			
14								
15	MFNH							
16	Customer	12,341,960	\$78,989,759					
17	Meter	12,341,960	\$33,270,641					
18	Dist	4,448,273,578	\$101,081,218					
19	IEDT	4,448,273,578	\$5,002,980					
20	Total			\$218,344,598	\$218,344,598			
21								
22	SFH							
23	Customer	421,010	\$3,692,288					
24	Meter	421,010	\$1,091,386					
25	Dist	770,734,210	\$9,935,977					
26	IEDT	770,734,210	\$866,832					
27	Total			\$15,586,483	\$15,586,483			
28								
29	MFH							
30	Customer	1,871,093	\$12,179,873					
31	Meter	1,871,093	\$4,934,464					
32	Dist	1,579,405,715	\$19,107,468					
33	IEDT	1,579,405,715	\$1,776,338					
34	Total			\$37,998,143	\$37,998,143			
35								
36	Total Residential			\$1,100,976,236	\$1,100,976,236			
37	Bills	41,540,007						
38	kWh	27,906,438,377						
39	Customer Costs		\$315,632,783					
40	Meter Costs		\$110,545,952					
41	Distribution Costs		\$643,411,139					
42	IEDT Costs		\$31,386,362					
43								

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	A	B	C	D	E	F	G
44		DELIVERY SERVICE CHARGES COMPUTATION: TAB R					
45			Unit		Total	As a % of	Overall
46	Residential	Adj	Charges	Revenue	Revenue	EPEC	\$/kWh
47	Delivery	-----	-----	-----	-----	-----	-----
48	Class	(E)	(F)	(G)	(H)	(J)	(K)
49				=(A)x(F)	=(G) by Class	=(H)/(D)	=(H)/(A kWh)
50	SFNH						
51	CC	\$0.01	\$12.76	\$343,319,845			
52	SMSC		\$2.66	\$71,569,811			
53	DFC (kWh)	(\$0.00002)	\$0.01850	\$390,498,460			
54	IEDT (kWh)		\$0.00112	\$23,640,988			
55	Total				\$829,029,104	100.0%	\$0.0393
56							
57	MFNH						
58	CC		\$6.19	\$76,396,732			
59	SMSC		\$2.66	\$32,829,614			
60	DFC (kWh)	(\$0.00001)	\$0.02341	\$104,134,084			
61	IEDT (kWh)		\$0.00112	\$4,982,066			
62	Total				\$218,342,496	100.0%	\$0.0491
63							
64	SFH						
65	CC	\$0.03	\$15.88	\$6,685,639			
66	SMSC		\$2.66	\$1,119,887			
67	DFC (kWh)		\$0.00899	\$6,928,901			
68	IEDT (kWh)		\$0.00112	\$863,222			
69	Total				\$15,597,649	100.1%	\$0.0202
70							
71	MFH						
72	CC		\$7.49	\$14,014,487			
73	SMSC		\$2.66	\$4,977,107			
74	DFC (kWh)	\$0.00001	\$0.01092	\$17,247,110			
75	IEDT (kWh)		\$0.00112	\$1,768,934			
76	Total				\$38,007,638	100.0%	\$0.0241
77							
78	Total Residential				\$1,100,976,887	100.0%	\$0.0395

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	A	B	C	D	E	F	G
1			EMBEDDED COST OF SERVICE INFORMATION: TAB N1				
2		Annual		Total			
3		Billing	Embedded	Embedded	EPEC		
4	Nonresidential	Units	Costs	Costs	Revenue		
5	Delivery	-----	-----	-----	-----		
6	Class	(A)	(B)	(C)	(D)		
7				= (B) by Class	= (C) x NRR/EC		
8	WH						
9	Customer	1,169,736	\$11,443,444				
10	Meter	1,169,736	\$2,676,648				
11	Dist	527,897,631	\$9,282,783				
12	IEDT	527,897,631	\$587,703				
13	Total			\$23,990,578	\$23,990,578		
14							
15	SL						
16	Customer	2,915,173	\$28,979,611				
17	Meter	2,915,173	\$22,861,769				
18	SV Dist	39,163,692	\$176,820,977				
19	PV Dist	43,856	\$104,125				
20	PV Tr	14,696	\$2,805				
21	IEDT	11,538,062,619	\$12,845,155				
22	Total			\$241,614,442	\$241,614,442		
23							
24	ML						
25	Customer	208,242	\$2,829,284				
26	Meter	208,242	\$3,427,973				
27	SV Dist	28,202,866	\$129,677,604				
28	PV Dist	442,319	\$1,082,444				
29	PV Tr	318,818	\$44,742				
30	IEDT	10,487,678,856	\$11,675,734				
31	Total			\$148,737,781	\$148,737,781		
32							
33	LL						
34	Customer	50,129	\$3,200,638				
35	Meter	50,129	\$881,358				
36	SV Dist	21,917,207	\$110,971,383				
37	PV Dist	796,352	\$2,765,392				
38	PV Tr	479,251	\$95,980				
39	IEDT	9,623,236,991	\$10,713,359				
40	Total			\$128,628,110	\$128,628,110		
41							
42	VLL						
43	Customer	22,288	\$13,104,727				
44	Meter	22,288	\$396,238				
45	SV Dist	29,947,136	\$146,452,941				
46	PV Dist	9,270,347	\$35,990,291				
47	PV Tr	5,879,993	\$1,266,244				
48	IEDT	18,030,403,008	\$20,078,838				
49	Total			\$217,289,279	\$217,289,279		

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	A	B	C	D	E	F	G
50							
51	DELIVERY SERVICE CHARGES COMPUTATION: TAB N1						
52			Unit		Total	As a % of	Overall
53	Nonresidential	Adj	Charges	Revenue	Revenue	EPEC	\$/kWh
54	Delivery	-----	-----	-----	-----	-----	-----
55	Class	(E)	(F)	(G)	(H)	(J)	(K)
56				=(A)x(F)	=(G) by Class	=(H)/(D)	=(H)/(A kWh)
57	WH						
58	CC		\$7.96	\$9,311,099			
59	SMSC		\$2.29	\$2,678,695			
60	DFC (kWh)		\$0.02161	\$11,407,868			
61	IEDT (kWh)		\$0.00111	\$585,966			
62	Total				\$23,983,628	100.0%	\$0.0454
63							
64	SL						
65	CC	\$0.19	\$10.13	\$29,530,702			
66	SMSC		\$7.84	\$22,854,956			
67	SV DFC (kW)	1.023	\$4.62	\$180,936,257			
68	PV DFC (kW)	1.023	\$2.43	\$106,570			
69	PV TRC (kW)		\$0.19	\$2,792			
70	IEDT (kWh)		\$0.00111	\$12,807,250			
71	Total				\$246,238,527	101.9%	\$0.0213
72							
73	ML						
74	CC	\$0.16	\$13.75	\$2,863,328			
75	SMSC		\$16.46	\$3,427,663			
76	SV DFC (kW)	1.023	\$4.70	\$132,553,470			
77	PV DFC (kW)	1.023	\$2.50	\$1,105,798			
78	PV TRC (kW)		\$0.14	\$44,635			
79	IEDT (kWh)		\$0.00111	\$11,641,324			
80	Total				\$151,636,218	101.9%	\$0.0145
81							
82	LL						
83	CC	(\$1.70)	\$62.15	\$3,115,517			
84	SMSC		\$17.58	\$881,268			
85	SV DFC (kW)	1.023	\$5.18	\$113,531,132			
86	PV DFC (kW)	1.023	\$3.55	\$2,827,050			
87	PV TRC (kW)		\$0.20	\$95,850			
88	IEDT (kWh)		\$0.00111	\$10,681,793			
89	Total				\$131,132,610	101.9%	\$0.0136
90							
91	VLL						
92	CC	\$1.51	\$589.48	\$13,138,330			
93	SMSC		\$17.78	\$396,281			
94	SV DFC (kW)	1.023	\$5.00	\$149,735,680			
95	PV DFC (kW)	1.023	\$3.97	\$36,803,278			
96	PV TRC (kW)		\$0.22	\$1,293,598			
97	IEDT (kWh)		\$0.00111	\$20,013,747			
98	Total				\$221,380,914	101.9%	\$0.0123

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	A	B	C	D	E	F	G
1			EMBEDDED COST OF SERVICE INFORMATION: TAB N2				
2		Annual		Total			
3		Billing	Embedded	Embedded	EPEC		
4	Nonresidential	Determinants	Costs	Costs	Revenue		
5	Delivery	-----	-----	-----	-----		
6	Class	(A)	(B)	(C)	(D)		
7				= (B) by Class	= (C) x NRR/EC		
8	ELL						
9	Customer	591	\$629,943				
10	Meter	591	\$25,207				
11	SV Dist	3,515,767	\$17,215,205				
12	PV Dist	3,876,250	\$17,057,171				
13	PV Tr	2,727,847	\$622,812				
14	IEDT	3,789,396,964	\$4,219,901				
15	Total			\$39,770,239	\$39,770,239		
16							
17	HV						
18	Customer	900	\$397,639				
19	Meter	900	\$33,816				
20	SV Dist	35,654	\$206,999				
21	PV Dist	185,319	\$688,931				
22	HV Dist ≤ 10 MW	439,287	\$133,573				
23	HV Dist > 10 MW	7,976,414	\$1,693,815				
24	PV TR	47,100	\$12,803				
25	HV Tr ≤ 10 MW	229,638	\$1,012,162				
26	HV Tr > 10 MW	6,388,307	\$4,983,170				
27	IEDT	5,208,623,906	\$5,800,069				
28	Total			\$14,962,977	\$14,962,977		
29							
30	RR						
31	Customer	24	\$99,141				
32	Meter	24	\$2,323				
33	Dist	1,365,959	\$4,230,681				
34	IEDT	505,852,484	\$563,334				
35	Total			\$4,895,479	\$4,895,479		
36							
37	Total						
38	Nonresidential			\$819,888,885	\$819,888,885		
39	Bills	4,367,083					
40	kWh	59,711,152,459					
41	Customer Costs		\$60,684,427				
42	Meter Costs		\$30,305,332				
43	Distribution Costs		\$662,415,033				
44	IEDT Costs		\$66,484,093				

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	A	B	C	D	E	F	G
45							
46	DELIVERY SERVICE CHARGES COMPUTATION: TAB N2						
47			Unit		Total	As a % of	Overall
48	Nonresidential	Adj	Charges	Revenue	Revenue	EPEC	\$/kWh
49	Delivery	-----	-----	-----	-----	-----	-----
50	Class	(E)	(F)	(G)	(H)	(J)	(K)
51				=(A)x(F)	=(G) by Class	=(H)/(D)	=(H)/(A kWh)
52	ELL						
53	CC	\$0.20	\$1,066.09	\$630,059			
54	SMSC		\$42.65	\$25,206			
55	SV DFC (kW)	0.6389	\$3.13	\$11,004,351			
56	PV DFC (kW)	0.7101	\$3.12	\$12,093,900			
57	PV TRC (kW)		\$0.23	\$627,405			
58	IEDT (kWh)		\$0.00111	\$4,206,231			
59	Total	1.0025			\$28,587,152	71.9%	0.0075
60						71.9%	
61	HV					OK	
62	CC	\$25.00	\$466.82	\$420,138			
63	SMSC		\$37.57	\$33,813			
64	SV DFC (kW)		\$5.81	\$207,150			
65	PV DFC (kW)		\$3.72	\$689,387			
66	HV DFC ≤ 10 MW (kW)		\$0.30	\$131,786			
67	HV DFC > 10 MW (kW)		\$0.21	\$1,675,047			
68	PV TRC (kW)		\$0.27	\$12,717			
69	HV TRC ≤ 10 MW (kW)	0.7342	\$3.24	\$744,027			
70	HV TRC > 10 MW (kW)	0.6216	\$0.48	\$3,066,387			
71	IEDT (kWh)		\$0.00111	\$5,781,573			
72	Total	0.9705			\$12,762,025	85.3%	0.0025
73						85.3%	
74	RR					OK	
75	CC	\$200.00	\$4,330.88	\$103,941			
76	SMSC		\$96.79	\$2,323			
77	DFC (kW)	0.8281	\$2.56	\$3,496,855			
78	IEDT (kWh)		\$0.00111	\$561,496			
79	Total	1.0003			\$4,164,615	85.1%	0.0082
80						85.1%	
81						OK	
82							
83	Total Nonresidential				\$819,885,689	100.0%	0.0137

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	A	B	C	D	E	F	G
1			EMBEDDED COST OF SERVICE INFORMATION: TAB L				
2		Annual		Total			
3		Billing	Embedded	Embedded	EPEC		
4	Lighting	Units	Costs	Costs	Revenue	Allocator	
5	Delivery	-----	-----	-----	-----	-----	
6	Class	(A)	(B)	(C)	(D)	(E)	
7				= (B) by Class	= (C) x NRR/EC		
8	FIL						
9	Customer		\$694,165				
10	Dist		\$13,169,973				
11	IEDT	159,571,832	\$177,703				
12	Municipal						
13	MV-100 W	238,402				3.13%	
14	MV-175 W	608,155				8.07%	
15	MV-250 W	98,728				1.41%	
16	MV-400 W	109,901				1.84%	
17	HPS-70 W	17,124				0.26%	
18	HPS-100 W	236,786				3.72%	
19	HPS-150 W	267,915				4.18%	
20	HPS-250 W	167,081				3.02%	
21	HPS-400 W	32,575				0.66%	
22	HPS-1,000 W	1,692				0.09%	
23	Bracket ≤ 8 feet	915,054				27.84%	
24	Bracket > 8 feet	647,516				28.13%	
25	Lum Post Top	62,964				2.91%	
26	Lum Acorn	14,438				0.96%	
27	Private						
28	MV-175 W	119,302				4.49%	
29	MV-400 W	45,488				2.00%	
30	HPSF-100 W	26,151				1.06%	
31	HPSF-250 W	125,408				5.46%	
32	HPSC-100 W	5,562				0.24%	
33	HPSC-150 W	12,717				0.55%	
34	Total			\$14,041,841	\$14,041,841		
35							
36	DDL						
37	Customer		\$630,899				
38	Meter	549,310,001	\$344,537				
39	Dist	549,310,001	\$1,857,957				
40	IEDT	549,310,001	\$611,708				
41	Total			\$3,445,101	\$3,445,101		
42							
43	GL						
44	Customer		\$118,509				
45	Meter	65,612,737	\$32,905				
46	Dist	65,612,737	\$531,456				
47	IEDT	65,612,737	\$73,067				
48	Total			\$755,937	\$755,937		
49							
50	Total Lighting	774,494,570		\$18,242,879	\$18,242,879		
51	Customer Costs		\$1,443,573				
52	Meter Costs		\$377,442				
53	Distribution Costs		\$15,559,386				
54	IEDT Costs		\$862,478				

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	A	B	C	D	E	F	G
55				EC			
56	Total Company	88,392,085,406		\$1,939,108,000	\$1,939,108,000		
57	Customer Costs		\$377,760,783				
58	Meter Costs		\$141,228,726				
59	Distribution Costs		\$1,321,385,558				
60	IEDT Costs		\$98,732,933				

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	A	B	C	D	E	F	G
61							
62	DELIVERY SERVICE CHARGES COMPUTATION: TAB L						
63	Lighting		Unit		Total	As a % of	Overall
64	Delivery	Adj	Charges	Revenue	Revenue	EPEC	\$/kWh
65	Class	-----	-----	-----	-----	-----	-----
66		(F)	(G)	(H)	(J)	(K)	(L)
67	FIL			=(A)x(G)	=(H) by Class	=(J)/(D)	=(J)/(A kWh)
68	Municipal (Fix)						
69	MV-100 W		\$1.82	\$433,892			
70	MV-175 W		\$1.84	\$1,119,005			
71	MV-250 W		\$1.98	\$195,481			
72	MV-400 W		\$2.32	\$254,970			
73	HPS-70 W		\$2.11	\$36,132			
74	HPS-100 W		\$2.18	\$516,193			
75	HPS-150 W		\$2.16	\$578,696			
76	HPS-250 W		\$2.51	\$419,373			
77	HPS-400 W		\$2.81	\$91,536			
78	HPS-1,000 W		\$7.37	\$12,470			
79	Bracket ≤ 8 feet		\$4.22	\$3,861,528			
80	Bracket > 8 feet		\$6.02	\$3,898,046			
81	Lum Post Top		\$6.41	\$403,599			
82	Lum Acorn		\$9.22	\$133,118			
83	Private (Fix)						
84	MV-175 W		\$5.22	\$622,756			
85	MV-400 W		\$6.10	\$277,477			
86	HPSF-100 W		\$5.62	\$146,969			
87	HPSF-250 W		\$6.04	\$757,464			
88	HPSC-100 W		\$5.98	\$33,261			
89	HPSC-150 W		\$6.00	\$76,302			
90	IEDT (kWh)		\$0.00111	\$177,125			
91	Total				\$14,045,393	100.0%	\$0.0880
92							
93	DDL						
94	SMSC		\$0.00063	\$346,065			
95	DFC (kWh)		\$0.00453	\$2,488,374			
96	IEDT (kWh)		\$0.00111	\$609,734			
97	Total				\$3,444,173	100.0%	\$0.0063
98							
99	GL						
100	SMSC		\$0.00050	\$32,806			
101	DFC (kWh)		\$0.00991	\$650,222			
102	IEDT (kWh)		\$0.00111	\$72,830			
103	Total				\$755,858	100.0%	\$0.0115
104							
105	Total Lighting				\$18,245,424	100.0%	\$0.0236
106							
107	Total						
108	Company				\$1,939,108,000	100.0%	\$0.0219
109					\$1,939,108,000	NRR	
110					\$0		
111					OK		